Oregon TECH
Oregon Institute of Technology

Meeting of the
Oregon Tech Board of Trustees
Executive Committee
Virtually via Microsoft Teams
Friday, March 17, 2023
3:00 pm – 4:30 pm

Special Executive Committee Meeting Agenda

1. **Call to Order/Roll/Declaration of a Quorum** (3:00 pm) (10 min) *Chair John Davis*

2. **Action Item** (3:10 pm) *Chair Davis*

   2.1. Discussion and Recommendation to the Governor: At-Large Member Nominees to the Board of Trustees (3:10 pm) (50 min)

3. **Other Business/New Business** (4:00 pm) *Chair Davis*

4. **Adjournment** (4:15 pm)

4702 Horned Lark Dr
Klamath Falls, OR 97601

(541) 331-1194
cec@amuch.com

Cecelia M. Amuchastegui

Experience

9/1/2020 – 61/2021 Facilitator of Triad/Hosanna Christian School Merge

7/1/11-9/1/2019 Foundations for a Better Oregon Portland, OR
Chalkboard CLASS Coach and Consultant

7/1/10 – Present Strategic Planning/ Teacher evaluation
Education Consultant

7/1/10 - 6/30/12 Klamath Youth Development Klamath Falls,
Coordinator Safe Schools/Healthy Students

7/1/04 – 6/30/10 Klamath Falls City Schools Klamath Falls, OR
Superintendent

7/1/00 – 6/30/04 Klamath Falls City Schools Klamath Falls, OR
Director of Secondary Education/School Improvement/Communications

7/1/95 – 6/30/00 Klamath Falls City Schools Klamath Falls, OR
Principal
Roosevelt Elementary School

7/1/91 – 6/30/95 Klamath Falls City Schools Klamath Falls, OR
Principal
Mills Elementary School

7/1/89 – 6/30/91 Klamath Falls City Schools Klamath Falls, OR
Vice Principal
Ponderosa Junior High School

7/1/79 – 6/30/89 Klamath Falls City Schools Klamath Falls, OR
Resource Specialist, Special Education Department

7/1/77 – 6/30/78 Beaverton School District Beaverton, OR
Itinerant Resource Specialist, Special Education Department

7/1/74 – 6/30/77 Beaverton School District Beaverton, OR
4th Grade Teacher
Raleigh Hills Elementary School

Cecelia M. Amuchastegui

Education

1970 - 1972	Southern Oregon College	Ashland, OR
1972 - 1974	Oregon College of Education	Monmouth, OR

B.S. Elementary Education

1981	Oregon College of Education	Monmouth, OR

M.S. Education
Mental Retardation

1992	Portland State University	Portland, OR

Administrative Course Work

Certificates

State of Oregon/Standard Administrator 074

State of Oregon/Standard Teacher

- Standard Mentally Retarded 018
- Basic Elementary 014
- Standard Handicap Learner 018

Professional Organizations

OASE Executive Committee

Association for Supervision and Curriculum Development

Alpha Delta Kappa

Community Service

Board of Directors: United Way

SMART State Executive Program Committee

Past Board of Directors: Klamath Community College Foundation

Past Board of Directors: Pelican Foundation

Past Regional Board Member: Oregon Community Foundation

Past Board of Directors: Women's Crisis Center

Past Board of Directors: Wednesday's Child

Past Board of Directors: Klamath Youth Development Center

Past Board of Directors: Partnership for a Drug-Free Klamath Falls City Schools

Past Board of Directors: Ross Ragland Theater

DAVID A. CAUBLE

3550 Plum Hill Road ■ Klamath Falls, Oregon 97601
(205) 876-4096 ■ dcauble613@gmail.com

TRANSFORMATIONAL HEALTHCARE CHIEF EXECUTIVE

Over twenty-five years' experience in the healthcare industry as a strategic and growth oriented leader. Through growth and development across multiple institutions I have become a transformational leader now serving as CEO. I believe in the possibilities of our industry to deliver the wellbeing of the people and communities we serve. I am eager to partner with a generative and courageous board and a talented senior leadership community to transform an organization into a model enterprise, living its values, and realizing its full potential for impact.

PROFESSIONAL EXPERIENCE

SKY LAKES MEDICAL CENTER, Klamath Falls, OR. 2022 – Present
President and Chief Executive Officer
Nationally recognized for its impact on rural health, Sky Lakes Medical Center serves the Klamath Basin of Southern Oregon and Northern California covering approximately 10,000 square miles. Sky Lakes is comprised of a 175-bed acute care hospital, multiple outpatient sites of care, home health, and a multi-specialty employed medical group. In partnership with Oregon Health Sciences University, Sky Lakes maintains a Family Medicine Residency training program for 27 residents. Annual net operating revenues are greater than **$300M**.

Recruited to Sky Lakes to replace the retiring CEO of 30 years, the health system is seeking to build on the legacy of service to the community and further its mission to reduce the burden of illness, injury, and disability and to realize its vision to create a healthier community. The diverse population living in the Klamath Basin face many challenges impacting the health and well-being of the region and Sky Lakes is leading the effort through community engagement and partnerships to transform and positively impact the lives of the people we are called to serve.

Selected Accomplishments:

- **Evaluated and updated the organizational structure and design**. Based on feedback from employees, medical staff leadership, and direct engagement with the Board of Directors, revised the organizational structure to reflect the contemporary needs of the health system and better position the organization to further the impact on the health and well-being of the community.
- **Promoted and recruited new leadership talent to Sky Lakes.** Following creation of the new organizational structure, actively worked with leadership across the enterprise to identify talented leaders both internally and externally to fill newly created positions. All senior level positions were filled within 6 months through promotion of 2 internal candidates and recruiting of 2 external candidates.
- **Engaged the enterprise to update the organizational values.** Feedback from medial staff leadership and other clinical team members highlighted the need to impact cultural change through a revision of the value statements to reflect the culture of service and commitment to caring for the diverse people in the region. Multiple interactive sessions and focus groups with staff resulted in updated values statements and the creation of a community promise that conveys our commitment to service and accountability to the people we serve.
- **Updated the strategic priorities for health system to focus on People, Quality, Service, Stewardship and Growth & Innovation.** The annual priorities were updated to reflect the strategic direction of the health system that is focused on transforming the health and well-being of our community. The updated strategic priorities were reviewed and approved by the Board of Directors and a formal structure was created to oversee the planning and implementation of over 30 strategic priorities.

CHILDREN'S MERCY, Kansas City, MO. 2016 – 2022
Executive Vice President and Chief Financial Officer
Nationally recognized for its clinical, academic and research contributions to pediatric health, Children's Mercy is comprised of 2 acute care pediatric hospitals totaling 367 licensed beds, a growing research enterprise, large academic program, and multiple regional centers of care. Annual net operating revenues are greater than $1.6B.

After many years of financial and operational stability Children's Mercy faced significant disruption in the market and new challenges requiring a transformed focus on resiliency and a change in strategies to continue its legacy of impact on the health of the community. I was recruited to the system to sponsor the enterprise transformation through active partnership with the Board and Senior Leadership to create a resilient culture focused on operational excellence, transparency, and accountability.

As a direct result of the transformational work the enterprise has become more financially resilient, and a culture of transparency and accountability is developing. The foundational elements of the sponsored transformation were achieved in partnership with the Board and during a period of significant leadership transition, including the introduction of a new CEO and senior executive team. The enterprise is now better positioned to achieve its strategic and aspirational vision of serving the health and wellbeing of all children.

Selected Accomplishments:
- **Engaged by Board leadership to direct the enterprise level operational excellence** efforts focused on improved operating performance that produced over **$130M** of impact and increased operating margin from **2% to 7%** over a 3-year period.
- **Partnered with the Chief Scientific Officer and Chief of Pediatrics** to development a comprehensive business plan for the Children's Mercy Research Institute to support a **$200M** expansion.
- **Actively engaged in the philanthropic efforts** for the Children's Mercy Research Institute resulting in receipt of two transformational gifts totaling **$150M**.
- **Successfully transformed the Finance Division leadership community by recruiting and developing high performing talent** that included: VP of Finance, VP of Financial Planning, VP of Revenue Cycle, and VP of Supply Chain.
- **Implemented the enterprise-wide infrastructure transformation of the Revenue Cycle and ERP systems.** The **$112M** project was completed on-time and below budget.

ST. VINCENT'S HEALTH SYSTEM, Birmingham, AL 2010 - 2015
Executive Vice President and Chief Financial Officer
St. Vincent's has a long and storied history of serving the poor and vulnerable throughout the 7 counties of the Birmingham metro area. St. Vincent's was a newly formed system that included 3 hospitals formerly a part of Eastern Health System and St. Vincent's Hospital. The merger with Eastern Health System produced the difficult challenge of developing into an integrated regional system while also integrating into the evolving strategic transformation of Ascension Health. In fiscal year 2015, the 4 acute care hospitals, and multiple non-acute care service centers produced annual net operating revenue greater than $711M.

Recognizing the need for new leadership, I was recruited to lead the effort to improve financial performance through the stabilization of the newly integrated regional system and engage with the Ascension system office leadership in the creation of a fully integrated national health system enterprise structure. During my tenure with Ascension Health, the financial performance at St. Vincent's saw continuous improvement; the health system began to perform as an integrated group; and the transition into the Ascension national service center was successfully completed. The culture of accountability and transparency that was achieved served as an example of excellence throughout Ascension and led to my inclusion in the Ascension Leadership Academy, a highly selective, multi-year program that invests in the development of the top leaders from across the enterprise

to become the healthcare leaders of the future. The successful execution of the succession plan, created in advance of my departure, resulted in a smooth transition of leadership.

Selected Accomplishments:

- **Implemented an enterprise culture of accountability and transparency** through monthly integrated finance and operations performance reviews. The proactive engagement resulted in a **$10M** favorable budget performance in the first fiscal year of implementation.
- **Directed the infrastructure improvements to drive annual net patient service revenue growth of $110M** over a four-year period.
- **Coordinated the managed care contracting strategy and design process** with a focus on a clinically integrated system of care strategy and further integration with employers and payors. Successfully launched a fully capitated Medicare Advantage product in partnership with VIVA Health.
- **Developed the contract strategy with Blue Cross Blue Shield of Alabama** to implement new reimbursement models with a greater emphasis on at risk quality and performance incentives.

CAROLINAEAST HEALTH SYSTEM, New Bern, NC 2008 - 2010
Vice President and Chief Financial Officer
CarolinaEast Health System is a critical provider of regional health services to a largely rural area covering 5 counties in Eastern North Carolina. The system is comprised of a 350-bed hospital, ambulatory surgery center, diagnostic imaging center, heart center, and multi-specialty physician practice. Annual net revenue as of fiscal year 2010 was $488M.

Pursuing an experienced healthcare executive to replace a long time CFO, I was hired to make significant improvements in infrastructure, financial operations, talent, and strategic planning. Actively partnering with the community medical staff to address technology and infrastructure concerns created a level of trust that led to multiple opportunities to develop new models of care and ultimately the formal integration of private practice groups into the health system. With the transition of a new CEO came the opportunity to lead the development of a new 5-year strategic plan in partnership with the executive team and Board. Prior to my leaving the organization a succession plan was put in place and a smooth leadership transition occurred securing a stable and high performing finance leadership team for the future.

Selected Accomplishments:

- **Facilitated the strategic planning process for the health system** to establish the **5-year** vision and direction for the health system.
- **Developed the physician integration strategy** that led to the expansion of the employed physician network that included the integration of a multi-site interventional cardiology practice, urology practice, and a large integrated internal medicine group.
- **Established a culture of physician led communication and transparency to drive improvements in clinical documentation.** The physician led project delivered **$6M** in net revenue improvement and a **20%** increase in the case mix index.
- **Led the transformation of the Information Systems Department** into a highly reliable and functional department through the hiring and development of new senior leadership talent, and the implementation of a long-term information systems strategic plan.

TROVER HEALTH SYSTEM, Madisonville, KY 2004 - 2007
Chief Financial Officer
Trover Health System (now a part of Baptist Health) serves Madisonville and the surrounding rural Western Kentucky community. The health system is comprised of the 400 bed Regional Medical Center, and multi-specialty physician Trover Clinic. As of fiscal year 2007, the annual operating revenue was $380M.

Faced with the numerous challenges that are associated with serving rural communities, Trover encountered significant operational and financial questions at the time of my joining the organization. I was hired to improve financial performance and to actively engage with the medical staff to earn their trust and enhance the integration and partnership between the hospital and employed physician group. Partnering with medical staff leadership and the hospital executive team the financial performance of the system began to stabilize and a new level of engagement and trust with the physicians was developed.

Selected Accomplishments:

- **Responsible for business development and operations** of multiple service lines that included: Heart and Vascular Services, Orthopedics, and Oncology.
- **Led medical staff development efforts** for the system, including negotiation of employed physician contracts and strategic engagement of community physician partnerships.
- **Developed the Information Systems strategic plan and led the** successful implementation of a new electronic medical record system.

CAP GEMINI ERNST & YOUNG, Louisville, KY 2001 - 2004
Manager
Seeking leaders with significant healthcare experience, I was hired into the Healthcare Consulting practice of the newly merged Ernst & Young and Cap Gemini international consulting firm to help grow and develop the business advisory and financial turnaround practice. The experience presented a unique and rewarding opportunity to rapidly develop the knowledge and experience required to positively impact the performance of hospitals and health systems as they strive to overcome financial and operational issues in service to their communities.

THE EMORY CLINIC, INC., Atlanta, Ga 1997 - 2001
Chief Financial Officer (2000-2001)
Director of Budget and Financial Analysis (1998-1999)
Project Manager (1997-1998)
The Emory Clinic is a multi-specialty, academic physician practice that is part of Emory Healthcare, the integrated academic medical center serving the Atlanta metro area. At the end of fiscal year 2001, the Clinic employed over 700 physicians with annual net revenue of $250M.

In response to the growing need for greater physician leadership engagement in a variety of performance improvement projects focused on clinical productivity and operational efficiencies, I was hired as a project manager to help lead the program. Quickly gaining the trust and support of the physicians and senior leadership led to rapid promotion into increased areas of scope and responsibility. During a period of significant transformation for the health system, I was promoted to the Clinic CFO position and given the opportunity to engage with physicians, Clinic leadership, Emory University leadership and the leadership of Emory Healthcare to form the foundation for what is today a highly regarded, fully integrated academic health enterprise.

ERNST & YOUNG LLP, Atlanta, GA 1994 - 1996
Senior Consultant
Seeking new leadership in the healthcare consulting practice, Ernst & Young hired me as a staff consultant and shortly thereafter promoted me to senior consultant. This formative experience provided numerous opportunities to observe and impact a variety of health systems and led to a deeper understanding and belief that I can make a meaningful and positive impact by serving and leading in healthcare.

BOARD AND COMMUNITY ENGAGEMENT

University of Missouri Kansas City – Board of Trustees

The Health Movement, Inc. – Chair, Board of Directors
The Health Movement, Inc. is a not-for-profit enterprise that is engaging with other not-for-profit organizations to help empower leaders to impact health equity and transform communities.

Habitat for Humanity of Hopkins County – Board Member

Community Engagement:
First Baptist Church Trussville, Trussville, AL. – Deacon, Small Group Leader, Finance Committee
Big Oak Ranch, Gadsden, AL. – Resource Family, Volunteer
Atkinson Road Baptist Church, Lawrenceville, GA – Finance Committee

EDUCATION

MBA – Business Administration, The University of South Carolina, Columbia, South Carolina

BS – Business Administration, The University of Louisville, Louisville, Kentucky

PROFESSIONAL AFFILIATIONS

American College of Healthcare Executives

Rotary International

VIJAY K. DHIR
University of California, Los Angeles
Henry Samueli School of Engineering and Applied Science
7400 Boelter Hall
Los Angeles, CA USA 90095-1600

EDUCATION

University of Kentucky, Lexington, Kentucky Mechanical Engineering Ph.D., 1972
Dissertation dealt with hydrodynamic stability of viscous liquid and gas interfaces and application to pool boiling.

Indian Institute of Technology, Kanpur, India Mechanical Engineering M. Tech, 1968
Thesis involved a study of flow behavior at the exit from rotor blades of an axial flow fan operating under asymmetric stalling conditions.

Punjab Engineering College, Chandigarh, India Mechanical Engineering B. S., 1965

WORK EXPERIENCE

2003 – 2016 ***Dean***, Henry Samueli School of Engineering and Applied Science, University of California, Los Angeles.

2002 –2003 ***Interim Dean***, Henry Samueli School of Engineering and Applied Science, University of California, Los Angeles.

2001 –2002 ***Distinguished Professor and Associate Dean***, University of California, Los Angeles, School of Engineering and Applied Science.

Main areas of research are Heat and Mass Transfer associated with phase change and Hydraulic and Thermal behavior of power systems.

2000 – present ***Distinguished Professor***, Mechanical and Aerospace Engineering Department, University of California, Los Angeles.

1994 – 2000 ***Professor and Chairman***, Mechanical and Aerospace Engineering Department, University of California, Los Angeles.

1991 –1994 ***Professor***, Mechanical, Aerospace and Nuclear Engineering Department, University of California, Los Angeles.

1988 –1991 ***Professor and Vice Chairman***, Mechanical, Aerospace and Nuclear Engineering Department University of California, Los Angeles.

Responsible for undergraduate affairs of the Department. Also, served as Mechanical Engineering Undergraduate Student Advisor.

1982 –1987 ***Professor***, Mechanical, Aerospace and Nuclear Engineering Department University of California, Los Angeles

1978 –1982 ***Associate Professor***, Chemical, Nuclear and Thermal Engineering Department, University of California, Los Angeles.

1974 –1978 ***Assistant Professor***, Chemical, Nuclear and Thermal Engineering Department, University of California, Los Angeles.

1972 –1974 ***Research Associate***, University of Kentucky, Lexington, Kentucky.

Studied the caking characteristics of Kentucky coals. The aim of this study was to find decaking methods for effective use of Kentucky coals in gasification processes. Also taught sophomore level course in thermo-dynamics.

1969 –1972 ***Research Assistant***, University of Kentucky, Lexington, Kentucky.

Half time duties included both theoretical and experimental work on pool boiling heat transfer. Also studied natural convection and condensation under variable gravity.

1969 –1969 ***Post Graduate Engineer***, Engineering Research Center, Tata Engineering and Locomotive Company, Poona, India.

Assignments included design and development of various motor vehicle parts.

1968 –1969 ***Assistant Development Engineer***, Jyoti Pumps, Ltd., Baroda, India.

Was responsible for the aerodynamic testing of turbine pump blades.

HONORS

75th Anniversary Medal, American Society of Mechanical Engineers (ASME) Heat Transfer Division, 2013

Honorary Member, ASME, 2012

Honorary Ph. D., University of Kentucky, 2012

Lifetime Achievement Award, International Conference on Computational & Experimental Engineering and Sciences (ICCES), 2012

Robert Thurston Lecture Award, ASME, 2008

Member, National Academy of Engineering, 2006

Best Paper Award, ASME *J. Heat Transfer,* 2006, (with past student A. Mukherjee for paper published in 2004)

Technical Achievement Award, Thermal Hydraulic Division, American Nuclear Society (ANS), 2005

The citation reads, "The Technical Achievement Award is presented to Prof. Vijay Dhir in recognition for his outstanding contributions to phase change heat and mass transfer, two phase

flow and thermal hydraulics of nuclear systems through the study of hydrodynamic theory of the peak heat flux in boiling, two phase flow in porous media and coolability of heat generating porous beds, the quenching of Zircaloy clad rod bundles, the modeling of reflood heat transfer phase of the large LOCA design base accident, the stratification in sodium cooled fast reactors, and the modeling of nucleate boiling and developing numerical analyses to describe the complex processes occurring at the surface."

Max Jakob Award, ASME & American Institute of Chemical Engineers (AIChE), 2004
The citation reads, "For seminal contributions with lasting impact over a broad range of thermal and fluid mechanical problems together with important professional contributions."

Hall of Distinction Induction, University of Kentucky, College of Engineering, 2004

IIT Kanpur West Coast Alumni Leadership Award, Indian Institute of Technology, 2003

Keynote Lecturer, Assembly of International Heat Transfer Conference, 1990 and 2002

Best Paper Award, ASME *J. Heat Transfer*, 2001 (with past student D. Banerjee for 1999 two-part paper)

A. R. Ramachandran Chair Professor in Heat Transfer, I. I. T. Madras, Chennai, India, 2000

Hawkins Memorial Lecturer, Purdue University, 1999

Donald Q. Kern Award, AIChE, 1999
The citation reads: "… in recognition of his significant basic and applied research contributions to phase change heat and mass transfer, two phase flow and to thermal hydraulics of nuclear power systems."

Fellow, ANS, 1997

ASME Heat Transfer Memorial Award, Science Category, 1992
The citation reads, "For ingenuity in performing experiments and analysis of the most intractable problems with energy and a systematic approach that have resulted in a number of significant findings."

Fellow, ASME, 1990

Listed in Who's Who in Technology Today, Vol. 5, 1979

Listed in 16th edition of Who's Who in the West, Marquis Publication, 1978

Listed in American Men and Women of Science

Listed in Men of Achievement

Listed in Who's Who in Engineering

PROFESSIONAL ACTIVITIES

- Member, National Academy of Science (NAS), Committee on Lessons Learned from the Fukushima Nuclear Accident for Improving Safety and Security of the U.S. Nuclear Plants: Phase 2, October 2014 - Present
- Member, National Academy of Science (NAS), Committee on Lessons Learned from the Fukushima Nuclear Accident for Improving Safety and Security of the U.S. Nuclear Plants, June 2012 – December 2014
- Member, National Research Council (NRC) Aeronautic and Space Engineering Board, 2010 – Present
- Member, NRC Steering Committee, Decadal Survey on Biological and Physical Sciences in Space, 2009-2011
- Member, University of Kentucky College of Engineering Dean's Advisory Council, 2006 – 2011
- Member, University of Toledo College of Engineering Dean's Advisory Council, 2006 – present
- Chairman, U.S.-Japan Conference on Two Phase Flow Dynamics, Santa Monica, California, September 14-18, 2008
- Senior Technical Editor, *J. Heat Transfer, Transactions ASME*, 2000-2005
- Co-Chairman, Science Working Group of NASA, 2004
- Associate Editor, ASME Symposium Volume, "Topics in Two-Phase Heat Transfer and Flow," 1978
- Associate Editor, *Applied Mechanics Review*, 1985-1988
- Associate Editor, *J. Heat Transfer, Transaction ASME,* July 1993-June 1996
- Associate Editor, *International J. of Multiphase Flow,* 2005-2006
- Editor, ASME Volume, "Basic Aspects of Two Phase Flow and Heat Transfer," HTD, Vol. 34, 1984
- Editor, ASME, Symposium Volume "Two Phase Flow and Heat Transfer," HTD, Vol. 47, 1985
- Chairman, "Molten Fuel-Material Interactions" Session at the ANS Annual Meeting, San Diego, California, June 18-22, 1978
- Chairman, "Condensation Phenomena in Light Water Reactor Components" Session at the ASME Annual Meeting, San Francisco, California, December, 1978
- Chairman, K-13 Committee of ASME, Heat Transfer Division, 1984-1987
- Chairman, "Multiphase Flow and Heat Transfer" Sessions of National Heat Transfer Conference, 1985
- Chairman, "Thermal Management of Nuclear Space Power Systems" Session at Winter ASME Meeting December, 1987
- Chairman, K-13 Nucleonics Heat Transfer Committee of Heat Transfer Division of ASME, 1984-1987
- Chairman, "Thermal Management of Nuclear Space Power Systems" Session at National Heat Transfer Conference, 1989
- Chairman, Basic Aspects of Two Phase Flow and Heat Transfer, Sessions at the National Heat Transfer Conference, 1991

- Chairman, Two Phase Flow and Heat Transfer in Porous Media Session at the National Heat Transfer Conference, 1991
- Chairman, Technical Sessions Sponsored by K-13 Committee of the Heat Transfer Division of ASME, 1992-1998
- Chairman, Honors and Awards Committee of the Heat Transfer Division of ASME, 1998-1999
- Co-Chairman, Third ISHMT-ASME Heat and Mass Transfer Conference, 1997
- Consultant, Argonne National Laboratory, Argonne, Illinois
- Consultant, Battelle, Northwest Laboratory, Richland, Washington
- Consultant, Boeing Satellite Systems, Inc. El Segundo, CA
- Consultant, Brookhaven National Laboratory, Upton, New York
- Consultant, Department of Energy, Washington, DC
- Consultant, Energy Research Inc., Rockville, Maryland
- Consultant, General Electric Corporation, San Jose, California
- Consultant, Hughes Aircraft and Communications Company, El Segundo, California
- Consultant, Los Alamos National Laboratory, Los Alamos, New Mexico
- Consultant, National Bureau of Standards, Gaithersburg, Maryland
- Consultant, NRC (Advisory Committee on Reactor Safeguards)
- Consultant, Physical Research Inc., Torrance, California
- Consultant, Pickard, Lowe and Garrick, Inc., Irvine, California
- Consultant, Rockwell International Canoga Park, California
- Consultant, Science Applications Incorporated, El Segundo, California
- Consultant, Seabulk Corporation, Fort Lauderdale, Florida
- Faculty Advisor ASME Student Chapter UCLA, 1983-84
- Member, Honors and Awards Committee of the Heat Transfer Division of ASME, 1996-1998
- Member, Technical Program Committee International Topical Meeting on Nuclear Reactor Thermal Hydraulics (NURETH 6, 7, 8 and 9), 1992-1999
- Member, International Scientific Committee, 4th International Symposium on Multiphase Flow and Heat Transfer, Xian, China, 1999
- Member, International Scientific Committee for the 1st Microgravity Research and Applications in Physical Sciences and Biotechnology Conference, Sorrento, Italy, 2000
- Opponent, Ph.D. examination at the Royal Institute of Technology Stockholm, Sweden, 1998
- Organizer, "Fundamentals of Flow Boiling" Session at the ASME/JSME Thermal Engineering Conference, 1991
- Member, AIChE
- Member, ANS
- Member, American Society of Engineering Education (ASEE)
- Member, ASME
- Member, Editorial Advisory Board, *International Journal of Heat and Fluid Flow*

- Member, Editorial Advisory Board, *International Journal of Multiphase Flow*
- Member, Editorial Board, *Multiphase Science and Technology*
- Referee, D.Sc. Degree at the University of Cambridge, England, 1992
- Referee, *AIAA Journal of Thermophysics*
- Referee, *International Journal of Experimental Thermal and Fluid Science*
- Referee, *International Journal of Heat and Fluid Flow*
- Referee, *International Journal of Heat and Mass Transfer*
- Referee, *International Journal of Multiphase Flow*
- Referee, *Journal of Applied Mechanics, Transactions ASME*
- Referee, *J. Heat Transfer, Transactions ASME*
- Referee, *Journal of Nuclear Technology*
- Referee, *Journal of Nuclear Engineering and Design*
- Referee, *Journal of Nuclear Safety*
- Referee, *Nuclear Science & Engineering*, ANS Publication
- Reviewer, Two Chapters of the American Nuclear Society Monograph "Boiling Liquid Metal Heat Transfer" by O.E. Dwyer, published in 1976.
- Reviewer, *Applied Mechanics Review*

JOURNAL PUBLICATIONS

1. Dhir, V. K. and Lienhard, J. H., "Laminar Film Condensation on Plane and Axisymmetric Bodies in Nonuniform Gravity," *J. Heat Transfer,* 93(1), pp. 97-100, 1971.
2. Lienhard, J. H., Eichhorn, R., and Dhir, V. K., "Laminar Natural Convection under Nonuniform Gravity," *J. Heat Transfer*, Vol. 94(1), pp. 80-86, 1972.
3. Dhir, V. K. and Lienhard, J. H., "Discussion: 'Effects of Heat and Mass Transfer on Rayleigh-Taylor Instability," (Shieh, D.Y., 1972 ASME *J. Basic Eng*., 94, pp.156-160)," *J. Fluids Eng*, 94(1), pp. 160-162, 1972.
4. Lienhard, J. H. and Dhir, V. K., "A Simple Analysis of Laminar Film Condensation with Suction," *J. Heat Transfer* 94(3), pp. 334-336, 1972.
5. Dhir, V. K. and Lienhard, J. H., Discussion: "Effects of heat and mass transfer on Rayleigh – Taylor instability," (Hsieh, D. Y., 1972, ASME *J. of Basic Eng*.), *J. of Basic Engineering*, Series D, ASME paper No. 71-FE-7, Vol. 94, 1:160-162, 1972.
6. Lienhard, J. H. and Dhir, V. K., "Hydrodynamic Prediction of Peak Pool-boiling Heat Fluxes from Finite Bodies," *J. Heat Transfer*, Vol. 95(2), pp. 152-158, 1973.
7. Lienhard, J. H. and Dhir, V. K., Technical Brief, *J. Heat Transfer*, Series, C, ASME paper No. 72-HT-R, Vol. 95, 2:178, 1973.
8. Lienhard, J. H., Dhir, V. K., and Riherd, D. M., "Peak Pool Boiling Heat Flux Measurements of Finite Horizontal Flat Plates," *J. Heat Transfer* 95(4), pp. 477-482, 1973.
9. Dhir, V. K. and Lienhard, J. H., "Similar Solutions for Fim Condensation with Variable Gravity or Body Shape," *J. Heat Transfer* 95(4), pp. 483-486, 1973.

10. Sernas, V., Lienhard, J. H., and Dhir, V. K., Technical Brief, "The Taylor Wave Configuration During Boiling from a Flat Plate," *International J. of Heat and Mass Transfer*, Vol. 16, 9:1820-1822, 1973.
11. Dhir, V. and Lienhard, J. H., "Taylor Stability of Viscous Fluids with Application to Film Boiling," *International J. of Heat and Mass Transfer*, Vol. 16, 11:2097-2109, 1973.
12. Dhir, V. K. and Lienhard, J. H., "Peak Pool Boiling Heat Flux in Viscous Liquids," *J. Heat Transfer,* 96(1), pp. 71-78, 1974.
13. Lienhard, J. H. and Dhir, V. K., "Laminar Film Condensation on Nonisothermal and Arbitrary-Heat-Flux Surfaces, and on Fins," *J. Heat Transfer,* 96(2), pp. 197-203, 1974.
14. Dhir, V. K. and Lienhard, J. H., Technical Brief, "Laminar Film Condensation on Submerged Isothermal Bodies," *J. Heat Transfer,* 96(4), pp. 555-557, 1974.
    Gat, U., Dhir, V. K., and Crewe, G. F., "Effect of Pumping on Caking Properties of Coal," *Canadian Institute of Mining and Metallurgy Bulletin*, 1974.
15. Crewe, G. F., Gat, U., and Dhir, V. K., "Alkaline Solution Decaking of Bituminous Coal," *Fuel*, Vol. 54, 1:20-23, 1975.
16. Dhir, V. K., "Quasi-Steady Laminar Film Condensation of Steam on Copper Spheres," *J. Heat Transfer,* 97(3), pp. 347-351, 1975.
17. Dhir, V. K. and Catton, I., "Dryout Heat Fluxes for Inductively Heated Particulate Beds," *J. Heat Transfer*, Vol. 99, pp. 2:250-256, 1977.
18. Dhir, V. K., Wong, K., and Kastenberg, W. E., "Solidification of a Sphere with Integral Heat Generation and Convective Cooling at the Surface," *Nuclear Science and Engineering*, Vol. 63, No. 2: pp. 350-356, 1977.
19. Dhir, V. K., Castle, J., and Catton, I., "Role of Taylor Instability on Sublimation of a Horizontal Slab of Dry Ice," *J. Heat Transfer*, Vol. 99, No. 3: pp. 411-418, 1977.
20. Rhee, S. J., Dhir, V. K., and Catton, I., "Natural Convection Heat Transfer in Inductively Heated Particles," Paper No. 77-WA/HT-2, presented at Winter Meeting of ASME, Atlanta, Georgia, November/December 1977, *J. Heat Transfer*, Vol. 100, 1: 78-85, 1978.
21. Dhir, V. K. and Purohit, G. P., "Subcooled Film Boiling Heat Transfer from Spheres, "*Nuclear Engineering and Design*, 47: 49-66, 1978.
22. Wong, K., Dhir, V. K., and Kastenberg, W. E., "A Mechanistic Study of Fuel Freezing, Channel Pluggings and Continued Coolability during Fast Reactor Overpower Excursions," *Nuclear Technology*, Vol. 39: 121-137, 1978.
23. Taghavi-Tafreshi, K., Dhir, V. K., and Catton, I. "Thermal and Hydrodynamic Phenomena Associated with Melting of Horizontal Substrate," Paper No. 78-WA/HT-44. Presented at ASME Winter Meeting, San Francisco, California, December 1978, *J. Heat Transfer*, Vol. 101, 2: 318-325, 1979.
24. Dhir, V. K. and Catton, I. "Dryout Heat Fluxes in Debris Beds Cooled at the Bottom and Having Subcooled Liquid at the Top," presented at International Topical Meeting on Nuclear Power Reactor Safety, Brussels, Belgium, October 1978, *Nuclear Technology*, Vol. 46: 356-361, 1979.
25. Dhir, V. K. and Kastenberg, W. E., "Thermal Hydraulic Analysis of Fuel Blockages Formed During Transient Overpower Accidents in LMFBR's," Presented at the International Topical Meeting on Nuclear Power Reactor Safety, Brussels, Belgium, October, 1978, *Nuclear Technology*, Vol. 46, pp. 447-452, 1979.
26. Dhir, V. K., "On the Use of Minimum Film Boiling Temperature to Predict Coherent Molten Metal Coolant Interactions," *Nuclear Science and Engineering*, Vol. 70(2) pp. 119-126, 1979.

27. Taghavi-Tafreshi, K. and Dhir, V. K., "Taylor Instability in Boiling, Melting and Condensation or Evaporation," *International J. of Heat and Mass Transfer*, Vol. 23, pp.1433-1445, 1980.
28. Varela, D. W., Kastenberg, W. E., and Dhir, V. K., "Implications of In-Channel Plugging During Fast Reactor Overpower Excursions," *Nuclear Technology*, Vol. 49, pp. 102-114, 1980.
29. Dhir, V. K., Technical Brief, "Sublimation of a Slab of Dry Ice -- An Analog of Pool Boiling on a Flat Plate," *J. Heat Transfer*, Vol. 102(2), pp. 380-382, 1980.
30. Lienhard, J. H. and Dhir, V. K., "On the Prediction of the Minimum Pool Boiling Heat Flux," *J. Heat Transfer*, Vol. 102(3), pp. 457-460, 1980.
31. Dhir, V. K., Discussion of the paper, "On the Minimum Film Boiling Conditions for Spherical Geometries," *J. Heat Transfer*, Vol. 102(4), pp. 790-791, 1980.
32. Dhir, V. K., Duffey, R. B., and Catton, I., "Quenching Studies on a Zircaloy Rod Bundle," *J. Heat Transfer*, Vol. 103(2), pp. 293-299, 1981.
33. Taghavi-Tafreshi, K. and Dhir, V. K., "Analytical and Experimental Investigation of Simultaneous Melting Condensation on a Vertical Wall," *J. Heat Transfer*, Vol. 104, pp. 25-33, 1982.
34. Dhir, V. K. and Catton, I., "Boiling in a Porous Bed," *Mechanics and Physics of Bubbles in Liquids*, Vol. 38, pp. 69-76, 1982.
35. Naik, A.S. and Dhir, V. K., "Forced Flow Evaporative Cooling of a Volumetrically Heated Porous Layer," *International J. of Heat and Mass Transfer*, Vol. 25(4), pp. :541-552, 1982.
36. Chen, C. L. and Dhir, V. K., "Hydrodynamics of a Bubble Formed at Vent Pipe Exit," *International J. of Multiphase Flow*, Vol. 8, pp. 147-163, 1982.
37. Conn, R. W., Dhir, V., Ghoniem, N. M., et al., "Studies of the Physics and Engineering of Deuterium - Deuterium Barrier Tandem Mirror Reactors," *Nuclear Technology/Fusion*, 2-4:563-589, 1982.
38. Dhir, V. K., "On the Coolability of Degraded LWR Cores," *Nuclear Safety*, Vol. 24, 3:319-337, 1983.
39. Taghavi-Tafreshi, K. and Dhir, V. K., "Shape Change of an Initially Vertical Wall Undergoing Condensation-Driven Melting," *J. Heat Transfer*, Vol. 105, pp. 235-240, 1983.
40. Weede, J. and Dhir, V. K., "Critical Heat Flux Enhancement Using Local Tangential Flow Injection," *Nuclear Technology*, Vol. 4-2:483-488, 1983.
41. Keller, L., Brown M. L., Dhir, V. K., Elliot, J. R., Taylor, R. J., and Williams, R. S. "Hot Wall Experiment in Microtor II" *J. of Nuclear Materials*, Vol. 121:271-276, 1984.
42. Brown, M. L., Keller, L., Deshpandey, C., Bunshah, R. F., Dhir, V. K., and Taylor, R. J.,"An Experimental Study of the Thermal Performance of Refractory Coatings Exposed to Tokamak Plasma," *J. of Nuclear Materials*, Vol. 122 & 123:1140-1144, 1984.
43. Tsai, F. P., Jakobsen, J., Catton, I., and Dhir, V. K., "Dryout of an Inductively Heated Bed of Steel Particles with Subcooled Flow from Beneath the Bed," *Nuclear Technology*, Vol. 65:10-15, 1984.
44. Drucker, M. I., Dhir, V. K., and Duffey, R. B. "Two Phase Heat Transfer for Flow in Tubes and over Rod Bundles with Blockages," *J. Heat Transfer*, Vol. 106 4:856-864, 1984.
45. Marshall, J. and Dhir, V. K., "Effect of Overlying Liquid Layer on Dryout Heat Flux Measurements," *Nuclear Science and Engineering*, Vol. 91:109-113, 1985.
46. Bui, T. D. and Dhir, V. K., "Transition Boiling Heat Transfer on a Vertical Surface," *J. Heat Transfer*, Vol. 107, 4:756-763, 1985.
47. Bui, T. D. and Dhir, V. K., "Film Boiling Heat Transfer on an Isothermal Vertical Surface," *J. Heat Transfer*, Vol. 107, 4:764-771, 1985.

48. Galamba, D. and Dhir, V. K., "Transient Simultaneous Condensation and Melting of a Vertical Surface," *J. Heat Transfer*, Vol. 107, 4:812-818, 1985.
49. Samra, S. and Dhir, V. K., "Study of Thermal Oscillations at the Dryout Front in Half Heated Tubes," *J. of Solar Energy Engineering*, Vol. 10, 4:343-351, 1985.
50. Dhir, V. K., "Some Aspects of Two Phase Flow Through Porous Media," *Nuclear Engineering & Design*, Vol. 95, 1-3:275-283, 1986.
51. Galamba, D., Dhir, V. K., and Taghavi, K., "Analytical and Experimental Investigation of Simultaneous Melting Condensation on a Vertical Wall in the Presence of a Non-Condensable Gas," *International J. of Heat and Mass Transfer*, Vol. 29, 12:1869-1880, 1986.
52. Marshall, J. and Dhir, V. K., "On the Prediction of Porosity of Beds Composed of Mixtures of Spherical Particles," *Chemical Engineering Communications*, Vol. 45:261-285, 1986.
53. Tung, V. X. and Dhir, V. K., "Quenching of Debris Beds Having Variable Permeability in the Axial and Radial Directions," *Nuclear Engineering and Design*, Vol. 99:275-284, 1987.
54. Dhir, V. K. and Scott, J. H., "On the Superposition of Injection Induced Swirl during Enhancement of Subcooled Critical Heat Flux," *International J. of Heat and Mass Transfer*, Vol. 30, 10:2013-2022, 1987.
55. Dhir, V. K., Amar, R., and Mills, J. C., "A One Dimensional Model for Prediction of Stratification in Horizontal Pipes Subjected to Fluid Temperature Transient at Inlet, Part I - Hydrodynamic Model," *Nuclear Engineering and Design*, Vol. 107:307-314, 1988.
56. Dhir, V. K., Tung, V. X., Amar, R., and Mills, J. C., "A One Dimensional Model for Prediction of Stratification in Horizontal Pipes Subjected to Fluid Temperature Transient at Inlet, Part II - Thermal Model," *Nuclear Engineering and Design*, Vol. 107:315-325, 1988.
57. Wang, C. H. S. and Dhir, V. K., "An Experimental Investigation of Multidimensional Quenching of a Simulated Core-Debris Bed," *Nuclear Engineering and Design*, Vol. 110:61-72, 1988.
58. Tung, V. X. and Dhir, V. K., "A Hydrodynamic Model for Two Phase Flow through Porous Media," *International J. of Multiphase Flow*, Vol. 14:47-65, 1988.
59. Galamba, D. and Dhir, V. K., "Transient Condensation - Melting of a Subcooled Vertical Surface," *Numerical Heat Transfer*, Vol. 15:33-65, 1988.
60. Liaw, S. P. and Dhir, V. K., "Void Fraction Measurements During Saturated Pool Boiling of Water on Partially Wetted Vertical Surfaces," *J. Heat Transfer*, Vol. 111:731-738, 1989.
61. Dhir, V. K. and Liaw, S. P., "Framework for a Unified Model for Nucleate and Transition Pool Boiling," *J. Heat Transfer*, Vol. 111:739-746, 1989.
62. Guo, Z. and Dhir, V. K., "Single and Two Phase Heat Transfer in Tangential Injection Induced Swirl Flow," *International J. of Heat and Fluid Flow*, Vol. 10:203-210, 1989.
63. Kianjah, H. and Dhir, V. K., "Experimental and Analytical Investigation of Dispersed Flow Heat Transfer," *International J. of Experimental Thermal and Fluid Science*, Vol. 2:410-424, 1989.
64. Brown, M. L., Dhir, V. K., and Taylor, R. J., "Poloidal and Toroidal Heat Flux Distribution in the CCT Tokamak," *Fusion Engineering and Design/Fusion*, Vol.11:467-475, 1990.
65. Tung, V. X. and Dhir, V. K., "Experimental Study of Boiling Heat Transfer from a Sphere Embedded in a Liquid Saturated Porous Medium," *J. Heat Transfer*, Vol. 112:736-741, 1990.
66. Tung, V. X. and Dhir, V. K., "Finite Element Solution of Multidimensional Two Phase Flow through Porous Media with Arbitrary Heating Conditions," *International J. of Multiphase Flow*, Vol. 16, 6:985-1002, 1990.

67. Hung, T. C. and Dhir, V. K., "Decay Heat Removal in the SAFR with the MDSNP Code," *Nuclear Technology*, Vol. 90:51-60, 1990.
68. Hung, T. C. and Dhir, V. K., "The Investigation of Conjugate Heat Transfer Phenomena in Advanced Fast Reactors," *Nuclear Technology*, Vol. 92:396-410, 1990.
69. Pafford, D., Dhir, V. K., Anderson, E., and Cohen, J., "Analysis and Experimental Simulation of Ground Surface Heating During a Prescribed Burn," *International J. of Wildland Fire*, Vol. 1:125-146, 1991.
70. Dhir, V. K., "Nucleate and Transition Boiling Heat Transfer under Pool and External Flow Conditions," *International J. of Heat and Fluid Flow*, Vol. 12:290-314, 1991.
71. Lingineni, S. and Dhir, V. K., "Modeling of Soil Venting Processes to Remediate Unsaturated Soils," *J. of Environmental Engineering*, Vol. 118:135-152, 1992.
72. Vijaykumar, R. and Dhir, V. K., "An Experimental Study of Subcooled Film Boiling on a Vertical Surface - Hydrodynamic Aspects," *J. Heat Transfer*, Vol. 114:161-168, 1992.
73. Vijaykumar, R. and Dhir, V. K., "An Experimental Study of Subcooled Film Boiling on a Vertical Surface - Thermal Aspects," *J. Heat Transfer*, Vol. 114:169-178, 1992.
74. Ravikumar, K. V., Dhir, V. K., and Frederking, T.H.K. "Scaling of Nucleate Boiling Rates from Water to Liquid Helium I: Wetting Conditions on Oxidized Copper Surfaces," *Cryogenics*, Vol. 32:430-432, 1992.
75. Park, H. J. and Dhir, V. K., "Effect of Outside Cooling on the Thermal Behavior of a Pressurized Water Reactor Vessel Lower Head," *Nuclear Technology*, Vol. 100:331-345, 1992.
76. Dhir, V. K. and Chang, F., "Heat Transfer Enhancement Using Tangential Injection," *ASHRAE Transactions*, Vol. 98:1-8, 1992.
77. Tung, V. X. and Dhir, V. K., "Convective Heat Transfer from a Sphere Embedded in Unheated Porous Media," *J. Heat Transfer*, Vol. 115:503-506, 1993.
78. Wang, C. S. and Dhir, V. K., "Effect of Surface Wettability on Active Nucleation Site Density During Pool Boiling of Water on a Vertical Surface," *J. Heat Transfer*, Vol. 115:659-669, 1993.
79. Wang, C. S. and Dhir, V. K., "On the Gas Entrapment and Nucleation Site Density During Pool Boiling of Saturated Water," *J. Heat Transfer*, Vol. 115:670-679, 1993.
80. Ryan, R. G. and Dhir, V. K., "The Effect of Soil Particle Size on Hydrocarbon Entrapment near a Dynamic Water Table," *J. of Soil Contamination*, Vol. 2(1): 59-90, 1993.
81. Dhir, V. K., "Boiling and Two Phase Flow in Porous Media," *Annual Reviews of Heat Transfer*, Vol. 5:303-350, 1994.
82. Joo, Y. and Dhir, V. K., "An Experimental Study of Drag on a Single Tube and on a Tube Placed in an Array Under Two Phase Cross Flow," *International J. of Multiphase Flow*, Vol. 20:1009-1019, 1994.
83. Park, H. J., Dhir, V. K., and Kastenberg, W.E., "Effect of External Cooling on the Thermal Behavior of a BWR Vessel Lower Head," *Nuclear Technology*, Vol. 108:266-282, 1994.
84. Chang, F. and Dhir, V. K., "Turbulent Flow Field in Tangentially Injected Swirl Flows in Tubes," *International J. Heat and Fluid Flow*, Vol. 15:346-356, 1994.
85. Chang, F. and Dhir, V. K., "Mechanisms of Heat Transfer Enhancement and Slow Decay of Swirl in Tubes Using Tangential Injection," *International J. of Heat and Fluid Flow*, Vol. 16:78-87, 1995.
86. Lay, J. H. and Dhir, V. K., "Nucleate Boiling Heat Flux Enhancement on Macro/Micro Structured Surfaces Cooled by an Impinging Jet," *J. of Enhanced Heat Transfer*, Vol. 2:177-188, 1995.

87. Lay, J. H. and Dhir, V. K., "Shape of a Vapor Stem During Nucleate Boiling of Saturated Liquids," *J. Heat Transfer*, Vol. 117:394-401, 1995.
88. Joo, Y. and Dhir, V. K., "On the Mechanism of Fluidelastic Instability of a Tube Placed in an Array Subjected to Two-Phase Crossflow," *J. of Fluids Engineering*, Vol. 5:706-712, 1995.
89. Ryan, R. G. and Dhir, V. K., "The Effect of Interfacial Tension on Hydrocarbon Entrapment and Mobilization near a Dynamic Water Table," *J. of Soil Contamination*, Vol. 5:9-34, 1996.
90. Asfia, F. J., Frantz, B., and Dhir, V. K., "Experimental Investigation of Natural Convection Heat Transfer in Volumetrically Heated Spherical Segments," *J. Heat Transfer*, Vol.118:31-37, 1996.
91. Moseley, W. A. and Dhir, V. K., "Capillary Pressure-Saturation Relations in Porous Media Including the Effect of Wettability," *J. of Hydrology*, Vol. 178:33-53, 1996.
92. Mardini, J. A., Lavine, A. S., and Dhir, V. K., "Heat and Mass Transfer in Wooden Dowels during a Simulated Fire: An Experimental and Analytical Study," *International J. of Heat and Mass Transfer*, Vol. 39:2641-2651, 1996.
93. Asfia, F. J. and Dhir, V. K., "An Experimental Study of Natural Convection in a Volumetrically Heated Spherical Pool Bounded on Top with a Rigid Wall," *Nuclear Engineering and Design*, Vol. 163:333-348, 1996.
94. Lingineni, S. and Dhir, V. K., "Controlling Transport Processes During NAPL Removal by Soil Venting," *Advances in Water Resources*, Vol. 20:157-169, 1997.
95. Dhir, V. K., "Heat Transfer from Heat Generating Pools and Particulate Beds," *Advances in Heat Transfer*, Vol. 29:1-57, 1997.
96. Son, G. and Dhir, V. K., "Numerical Simulation of Saturated Film Boiling on a Horizontal Surface," *J. Heat Transfer*, Vol. 119:525-533, 1997.
97. Dhir, V. K., "Burnout in Pool Boiling" *International Encyclopedia of Heat and Mass Transfer* edited by G.F. Hewitt, G.L. Shires, and Y.V. Polezhaev, 128-131, 1997.
98. Son, G. and Dhir, V. K., "Numerical Simulation of Melting of a Horizontal Substrate Placed Beneath a Heavier Liquid," *International J. of Heat and Mass Transfer*, Vol. 41:89-99, 1998.
99. Dhir, V. K., "Boiling Heat Transfer," *Annual Reviews of Fluid Mechanics*, Vol. 30:365-401, 1998.
100. Son, G. and Dhir, V. K., "Numerical Simulation of Film Boiling Near Critical Pressures with a Level Set Method," *J. Heat Transfer*, Vol. 120:183-192, 1998.
101. Qiu, D. and Dhir, V. K., "Measurement of Refractive Index of PF-5060," *International J. of Experimental Thermal Fluid Science*, Vol. 19, No. 3, pp. 168-171, 1999.
102. Dhir, V. K., Comments on the paper by J. Mitrovic "The Flow and Heat Transfer in the Wedge Shaped Liquid Film Formed During the Growth of a Vapor Bubble," *International J. of Heat and Mass Transfer*, Vol. 42, p. 3721, 1999.
103. Son, G., Dhir, V. K., and Ramanajapu, N., "Dynamics and Heat Transfer Associated with a Single Bubble During Nucleate Boiling on a Horizontal Surface," *J. Heat Transfer*, Vol. 121, 1999.
104. Fotinich, A., Dhir, V. K., and Lingineni, S., "Remediation of Simulated Soils Contaminated with Diesel Fuel," *J. of Environmental Engineering*, Vol. 125, No. 1, 1999.
105. Jiang, S. J., Horn, T., and Dhir, V. K., "Numerical Analysis of a Radiant Heat Flux Calibration System," *International J. of Thermophysics,* Vol. 21, pp. 941-953, 2000.
106. Xuegao, A., Dhir, V. K., and Okrent, D., "The Effect of Accident Conditions on the Molten Core Material Relocation into Lower Head of a PWR Vessel with Application to TMI-2," *Nuclear Technology,* Vol. 132, pp. 256-280, 2000.

107. Dhir, V. K., "Numerical Simulations of Pool Boiling Heat Transfer," *AIChE J.,* Vol. 47, pp. 813-834, 2001.
108. Banerjee, D. and Dhir, V. K., "Study of Subcooled Film Boiling on a Horizontal Disc – Part I, Analysis," *J. Heat Transfer,* Vol. 123, pp. 271-284, 2001. (Best Paper Award)
109. Banerjee, D. and Dhir, V. K., "Study of Subcooled Film Boiling on a Horizontal Disc – Part II, Experiments," *J. Heat Transfer,* Vol.123, pp. 285-293, 2001. (Best Paper Award)
110. Son, G. and Dhir, V. K., "Numerical Simulation of Bubble Merger Process on a Single Nucleation Site During Pool Nucleate Boiling," *J. Heat Transfer*, Vol. 124, pp. 51-72, 2002.
111. Basu, N., Warrier, G. R., Dhir, V. K., "Onset of Nucleate Boiling and Active Nucleation Site Density During Subcooled Flow Boiling," *J. Heat Transfer* 124(4), pp. 717-728, 2002.
112. Qiu, D. M., Dhir, V. K., Chao, D., Hasan, M. M., Neumann, E., Yee, G., and Birchenough, A., "Single Bubble Dynamics during Pool Boiling under Low Gravity Conditions," AIAA *J. of Thermophysics and Heat Transfer*, Vol. 16, No. 3, pp. 336-445, 2002.
113. Warrier, G. R., Basu, N., and Dhir, V. K., "Interfacial Heat Transfer during Subcooled Flow Boiling," *International J. of Heat and Mass Transfer*, Vol. 45, pp. 3947-3959, 2002.
114. Warrier, G. R., Dhir, V. K., and Mamoda, L., "Heat Transfer and Pressure Drop in Narrow Rectangular Channels," *Experimental Thermal and Fluid Science*, Vol. 26, pp. 53-64, 2002.
115. Qiu, D. M., Son, G., Dhir, V. K., Chao, D., and Logsdon, K., "Dynamics of Single and Multiple Bubbles and Associated Heat Transfer in Nucleate Boiling Under Low Gravity Conditions," *Ann. N.Y. Academy of Sciences*, Vol. 974, pp. 1-20, 2002.
116. Qiu, D. M. and Dhir, V. K., "Experimental Study of Flow Pattern and Heat Transfer Associated with a Bubble Sliding on Downward Facing Inclined Surfaces," *Experimental Thermal and Fluid Science,* Vol. 26, pp. 605-616, 2002.
117. Gao, D., Morely, N. B., and Dhir, V. K., "Numerical Study of Liquid Metal Film Flows in a Varying Spanwise Magnetic Field," *Fusion Engineering and Design*, Vol. 63-64, pp. 369-374, 2002.
118. Horn, T., Jiang, S., and Dhir, V. K., "Characterization of Heat Flux Gage Calibration System," *NASA Technical Briefs*, Vol. 26, No. 5, pp. 70-71, 2002.
119. Gao, D. Morley, N., and Dhir, V. K., "Numerical Simulation of Wavy Falling Film Flow using VOF Method," *J. of Comp. Phys.*, Vol. 192, pp. 624-642, 2003.
120. Dhir, V. K., "Nucleation Site Density," *Multiphase Science of Technology*, Vol. 15, pp. 315-321, 2003
121. Abarajith, H. S., Dhir, V. K., Warrier, G.R., and Son, G., "Numerical Simulation and Experimental Validation of the Dynamics of Multiple Bubble Merger During Pool Boiling under Microgravity Conditions," *Ann. N.Y. Academy of Sciences*, Vol. 1027, pp. 235-258, 2004.
122. Cotler, A. C., Brown, E. R., Dhir, V. K., and Shaw, M. C., "Chip-Level Spray Cooling of an LD-MOSFET RF Power Amplifier," *IEEE Transactions*, 2003.
123. Mukherjee, A. and Dhir, V. K., "Study of Lateral Merger of Vapor Bubbles during Nucleate Pool Boiling," *J. Heat Transfer*, Vol. 126, 2004. (Best Paper Award)
124. Warrier, G. R. and Dhir, V. K., "Visualization of Flow Boiling in Narrow Rectangular Channels," *J. Heat Transfer Photo Gallery,"* Vol. 126, p. 495, 2004.
125. Jiang, S. and Dhir, V. K., "Spray Cooling in a Closed System With Different Fractions of Non-Condensables in the Environment," *International J. of Heat and Mass Transfer*, 2004.
126. Gao, D., Morley, N. B., and Dhir, V. K., "Understanding Magnetic Field Gradient Effect From a Liquid Metal Droplet Movement," *J. Fluids Eng.* 126(1), pp. 120-124, 2004.

127. Basu, N., Warrier, G. R., and Dhir, V. K., "Wall Heat Flux Partitioning During Subcooled Flow Boiling: Part I—Model Development," *J. Heat Transfer,* 127(2), pp. 131-140, 2005.
128. Basu, N., Warrier, G. R., and Dhir, V. K., "Wall Heat Flux Partitioning During Subcooled Flow Boiling: Part II—Model Validation," *J. Heat Transfer,* 127(2), pp. 141-148, 2005.
129. Fabbri, M. and Dhir, V. K., "Optimized Heat Transfer for High Power Electronic Cooling Using Arrays of Microjets," *J. Heat Transfer* 127(7), pp. 760-769, 2004.
130. Fabbri, M., Jiang, S., and Dhir, V. K., "A Comparative Study of Cooling of High Power Density Electronics Using Sprays and Microjets," *J. Heat Transfer,* 127(1), pp. 38-48, 2005.
131. Pesse, A. V., Warrier, G. R., and Dhir, V. K., "An Experimental Study of the Gas Entrapment Process in Closed-end Microchannels," *International J. of Heat and Mass Transfer*, Vol. 48, pp. 5150-5165, 2005.
132. Warrier, G. R., Dhir, V. K., "Heat Transfer and Wall Heat Flux Partitioning During Subcooled Flow Nucleate Boiling—A Review," *J. Heat Transfer* 128(12), 1243-1256, 2.
133. Dhir, V. K., "Mechanistic Prediction of Nucleate Boiling Heat Transfer–Achievable or a Hopeless Task?" *J. Heat Transfer* 128(1), pp 1-12, 2005.
134. Shi, B., Sinha, S., and Dhir, V. K., "Molecular Dynamics Simulation of the Density and Surface Tension of Water by Particle-particle Particle-mesh Method," *J. of Chemical Physics*, Vol. 124, 2006.
135. Wu, J., Dhir, V. K., and Qian, J., "Numerical Simulation of Subcooled Nucleate Boiling by Coupling Level Set Method with Moving Mesh Method," *Numerical Heat Transfer, Part B: Fundamentals,* Vol. 51, 2007.
136. Li, D. and Dhir, V. K., "Numerical Study of a Single Bubble Sliding on a Downward Facing Heated Surface," *J. Heat Transfer* 129(7), 877-883, 2006.
137. Li, D. and Dhir, V. K., "Numerical Study of Single Bubble Dynamics During Flow Boiling," *J. Heat Transfer* 129(7), 864-876, 2007.
138. Son, G. and Dhir, V. K., "A Level set Method for Analysis of Film Boiling on an Immersed Solid Surface," *Numerical Heat Transfer, Part B: Fundamentals,* Vol. 52, 2007.
139. Dhir, V.K., Abarajith, H.S., Li, D., "Bubble Dynamics and Heat Transfer during Pool and Flow Boiling", Heat Transfer Engineering, 28(7):608 – 624, 2007.
140. Shukla, R. K. and Dhir, V. K., "Effect of Brownian Motion on Thermal Conductivity of Nanofluids," *J. Heat Transfer* 130(4), 042406, 2008.
141. Son, G. and Dhir, V. K., "Three Dimensional Simulation of Saturated Film Boiling on a horizontal cylinders," *International J. of Heat and Mass Transfer*, Vol. 51, 2008.
142. Son, G. and Dhir, V. K., "Numerical Simulation of Nucleate Boiling on a Horizontal Surface at High Heat Fluxes," *International J. of Heat and Mass Transfer*, Vol. 51, pp. 2566-2582, 2008.
143. Meduri, P. K., Warrier, G. R., and Dhir, V. K., "Wall Heat Flux Partitioning during Subcooled Forced Flow Film Boiling of Water on a Vertical Surface," *International J. of Heat and Mass Transfer*, Vol. 52, pp. 3534-3546, 2009.
144. Mitra, D., Dhir, V. K., and Catton, I. , "Fluid-elastic Instability in Tube Arrays Subjected to Air-Water and Steam-Water Cross-Flow," *J. of Fluids and Structures*, Volume 25, Issue 7, pp. 1213-1235, 2009.
145. Shi, B. and Dhir, V. K., "Molecular Dynamics Simulation of the Contact Angle of Liquids on Solid Surfaces," *J. of Chemical Physics*, Vol. 130, 2009.

146. Wu, J. and Dhir, V. K., "Numerical Simulations of the Dynamics and Heat Transfer Associated With a Single Bubble in Subcooled Pool Boiling," *J. Heat Transfer* 132(11), 111501, 2010.
147. Nam, Y., Aktinol, E., Dhir, V.K., Ju, S., "Single bubble dynamics on a superhydrophilic surface with artificial nucleation sites", International Journal of Heat and Mass Transfer, 54(7-8):1572 – 1577, March 2011.
148. Wu, J. and Dhir, V. K., "Numerical Simulation of Dynamics and Heat Transfer Associated With a Single Bubble in Subcooled Boiling and in the Presence of Noncondensables," *J. Heat Transfer* 133(4), 041502, 2011.
149. Manickam, S. and Dhir, V. K., "Holographic interferometric study of heat transfer to a sliding vapor bubble," *Elsevier,* Vol. 55, Issue 4, pp. 925-940, 2012.
150. Dhir, V. K., Warrier, G. R., Aktinol, E., Chao, D., Eggers, J., Sheredy, W., and Booth, W., "Nucleate Pool Boiling Experiments (NPBX) on the International Space Station," *Microgravity Sci. Technol*., DOI 10.1007/S12217-012-9315-8, 2012.
151. Aktinol, E. and Dhir, V. K., "Numerical Simulation of Nucleate Boiling Phenomenon Coupled with Thermal Response of the Solid," *Microgravity Sci. Technol*., 24:255-265, 2012.
152. Rousselet, Y., Warrier, G. R., and Dhir. V. K., "Natural Convection From Horizontal Cylinders at Near-Critical Pressures—Part I: Experimental Study," *J. Heat Transfer* 135(2), 022501, 2012.
153. Warrier G. R., Rousselet. Y., and Dhir, V. K., "Natural Convection From Horizontal Cylinders at Near-Critical Pressures—Part II: Numerical Simulations," *J. Heat Transfer,* 135(2), 022502, 2012.
154. Dhir, V. K., Warrier, G. R., and Aktinol, E., "Bubble dynamics during pool boiling under microgravity conditions," *Computational Thermal Sciences,* 2012.
155. Warrier, G.R., Rousselet, Y., and Dhir, V.K., "Natural Convection from Horizontal Cylinders at Near-Critical Pressures: Part 2ï¿½ Numerical Simulations", *J. of Heat Transfer*, Trans. ASME, (2012)
156. Rousselet, Y., Warrier, G.R., and Dhir, V.K., "Natural Convection from Horizontal Cylinders at Near-Critical Pressures: Part 1ï¿½ Experimental Study", J. of Heat Tranfer, Trans. ASME, (2012) Minor
157. Dhir, V. K., Warrier, G. R., and Aktinol, E., "Numerical simulation of pool boiling: a review," *J. Heat Transfer*, Vol. 135, June 2013.
158. Warrier, G.R. and Dhir, V. K., "Comparison of heat removal using miniature channels, jets and sprays," *J. Enhanced Heat Transfer*, 20 (1): 17-32, 2013.
159. Rousselet, Y., Warrier, G. R., and Dhir, V. K., "Subcooled pool film boiling heat transfer from small horizontal cylinders at near-critical pressures," *International J. Heat and Mass Transfer,* Vol 72, pp. 531-543, 2014.
160. Aktinol, E. and Dhir, V. K., "Numerical simulation of the effect of varying contact angle on the thermal response of the solid during nucleate pool boiling", Interfacial Phenomena and Heat Transfer, 301-324 (2014)
161. Aktinol, E., Warrier, G. R., and Dhir, V. K., "Single bubble dynamics under microgravity conditions in the presence of dissolved gas in the liquid," *International J. Heat and Mass Transfer,* Vol 79, pp. 251-268, 2014.
162. Warrier, G. R., Dhir, V. K., and Chao, D. F., "Nucleate pool boiling eXperiment (NPBX) in microgravity: International Space Station," *International J. Heat and Mass Transfer*, Vol 83, pp. 781-798, 2015.

163. Rousselet, Y., Warrier, G.R., and Dhir, V.K., 2015, "Experimental study of bubble dynamics during nucleate flow boiling on horizontal and vertical surfaces," Accepted for publication in *J. of Enhanced Heat Transfer*.
164. Rousselet, Y. and Dhir, V.K., "Numerical modeling of a co-current cascading rotary dryer," Accepted for publication in *J. of Food and Bioproducts Processing*.

PAPERS PUBLISHED IN PROCEEDINGS OR RECORDS OF CONFERENCES & SYMPOSIA

1. Lienhard, J. H. and Dhir, V. K. (1972). *On Making Hydrodynamic Predictions of the Peak and Minimum Boiling Heat Fluxes* Paper No. 248, IV, presented at All Union Heat and Mass Transfer Conference, Minsk, USSR.
2. Dhir, V. K. and Catton, I. (1976). Predictions of Dryout Heat Fluxes in Beds of Volumetrically Heated Particles in *Proceedings of International Meeting on Fast Reactor Safety and Related Physics*, IV: 2026-2035, October 1976.
3. Dhir, V. K., Castle, J., Catton, I., Kastenberg, W. E., and Doshi, J. (1976). Role of Wall Heat Transfer and Other System Variables on Core Compaction and Recriticality, in *Proceedings of International Meeting on Fast Reactor Safety and Related Physics*, III: 1172-1182, October 1976.
4. Wong, K., Dhir, V. K., and Kastenberg, W. E. (1976). A Study of Fuel Freezing and Channel Plugging During Hypothetical Overpower Transients, in *Proceedings of International Meeting on Fast Reactor Safety and Related Physics*, 1757-1766, October 1976.

5. Chan, C. K., Dhir, V. K., and Catton, I. (1976). Water Pool Free Surface Response under Transient Air Injection, in *Proceedings of Two-phase Flow and Heat Transfer Symposium Workshop*, Ft. Lauderdale, Florida, October 1976.
6. Dhir, V. K., Chan, C. K., and Catton, I. (1977). Air Bubble Behavior and Associated Hydrodynamic Forces during Vent Clearing in a BWR Suppression Pool in *Proceedings of International Conference on Thermal Reactor Safety*, Sun Valley, Idaho, August 1977.
7. Dhir, V. K. and Catton, I. (1977). The Effect of Particle Size Distribution and Non-Heated Constituents in Debris Bed Dryout, in *Proceedings of 3rd Post-Accident Heat Removal Information Exchange*, ANL 78-10:62-73, November 1977.
8. Dhir, V. K., Catton, I., and Cho, D. (1977). Heat Transfer from a Liquid Pool to a Decomposing Solid Surface, in *Proceedings of 3rd Post-Accident Heat Removal Information Exchange*, ANL 78-10:141-142, November 1977.
9. Dhir, V. K. and Catton, I. (1978). Study of Transient Air Injection into a Pool of Water, in *Proceedings of OECD Conference*, Paris, France, June 1978.
10. Dhir, V. K. (1978). Study of Transient Transition Boiling Heat Fluxes from Spheres Subjected to Forced Vertical Flow, in *Proceedings of International Heat Transfer Conference*, Toronto, Canada, 2:451-457, August 1978.
11. Chan, C. K., Dhir, V. K., and Catton, I. (1978). Phenomenological Study of Vent Clearing Phenomena in a Pressure Suppression Pool, in *Proceedings of International Heat Transfer Conference*, Toronto, Canada, 5:113-119, August 1978.

12. Brinsfeld, W. A., Toman, W. I., Dhir, V. K., and Catton, I. (1979). Heat Transfer and Penetration from a Heated Pool to a Substrate, in *Proceedings of International Meeting on Fast Reactor Safety and Technology*, Seattle, Washington, IV: 2140-2149, August 1979.
13. Dhir, V. K. (1979). Dryout Heat Fluxes in Debris Beds Containing Particles of Different Size Distributions, in *Proceedings of International Meeting on Fast Reactor Tech*., Seattle, Washington, II: 770-780, August 1979.
14. Dhir, V. K., Guarro, S., Lin, J. C., Motamed, M., and Okrent, D. (1979). Pressurized Water Reactor (PWR) System Simulation and Disturbance Analysis for Anomalous Transients and Degraded System Conditions, in *Proceedings of Winter Simulation Conference*, San Diego, California, 1:135-143, September 1979.
15. Dhir, V. K. and Catton, I. (1979). Natural Convective Cooling of a Debris Bed, in *Proceedings of 4th International Post-Accident Heat Removal Information Exchange Meeting*, Ispra, Italy, October 1978. (Also published in *European Applied Research Reports*, 1-6:34-54, October 1979.)
16. Dhir, V. K. and Cheng, H. M. (1980). Transient Pool Boiling in Spheres Subjected to an External Pressure Pulse, Paper No. HT-12 in *Proceedings of 19th National Transference Conference*, Orlando, Florida, July 1980.
17. Ghoniem, N. M., Conn, R. W., Dhir, V. K., and Grotz, S. (1981). Pressure Vessel Blanket Concept for D-D Tandem Mirror Fusion Reactors, in *AIChE Symposium Series*, 77-208:35-38, August 1981.
18. Grotz, S. and Dhir, V. K. (1981). Pebble Bed Blankets for D-D Fusion Reactors, in *AIChE Symposium Series*, 77-208:39-43, August 1981.
19. Dhir, V. K. and Taghavi-Tafreshi, K. (1981). Hydrodynamic Transitions during Dripping of a Liquid from Underside of a Horizontal Tube," *ASME Winter Meeting*, Washington, D.C., November 1981.

20. Dhir, V. K., Chu, W., Lee, H., and Catton, I. (1982). On the Hydrodynamic Characteristics of Two Phase Flow through Porous Media, in *Proceedings of NRC/ANS Topical Meeting on Basic Thermal-Hydraulic Mechanism in LWR Analysis*, NUREG CP-0043:295-317, September 1982.
21. Swanson, D. G., Catton, I., and Dhir, V. K. (1982). A Thoria Rubble Bed for Post Accident Core Retention, in *Proceedings of 5th Post-Accident Heat Removal Conference*, Karlsruhe, Germany, 307-311, November 1982.
22. Tsai, F. P., Jakobsson, J., Catton, I., and Dhir, V. K. (1982). Dryout of an Inductively Heated Bed of Steel Particles with Subcooled Flow from Below, in *Proceedings of 5th Post-Accident Heat Removal Conference*, Karlsruhe, Germany, 1-5, November 1982.
23. Wong, R. M., Catton, I., and Dhir, V. K. (1982). Solid Particle Penetration of a Melting Substrate, in *Proceedings of 5th Post-Accident Heat Removal Conference*, Karlsruhe, Germany, 248-250, November 1982.
24. Tung, V. X., Dhir, V. K., and Squarer, D. (1983). Forced Flow Cooling Studies of Volumetrically Heated Porous Layers, in *Proceedings of International Conference on Nuclear Reactor Thermal Hydraulics*, Santa Barbara, California, 876-883, January 1983.
25. Tung, V. X. and Dhir, V. K. (1983). Quenching of a Hot Particulate Bed by Bottom Flooding, in *Proceedings of Joint ASME-JSME Heat Transfer Conference*, Honolulu, Hawaii, 489-495, March 1983.
26. Weede, J. and Dhir, V. K. (1983). Experimental Study of the Enhancement of Critical Heat Flux Using Tangential Flow Injection, in *Fundamentals of Heat Transfer in Fusion Systems*, HTD-Vol. 24, July 1983.

27. Kianjah, H., Dhir, V. K., and Singh, A. (1983). Enhancement in Heat Transfer in Disperse Flow and Downstream of Blockages in Rod Bundles, in *Proceedings of International Meeting on Thermal Nuclear Reactor Safety*, Karlsruhe, W. Germany, September 1983.
28. Ahmed, S. Z. and Dhir, V. K. (1983). On the Simulation of Penetration of Solidified Core Material into Concrete, in *Proceedings of International Meeting on Light Water Reactor Severe Accident Evaluation*, Vol. 2:12.9-1 - 12.9-7, Boston, Massachusetts, 1983.
29. Marshall, J. and Dhir, V. K.(1983). On the Counter Current Flow Limitations in Porous Media, in *Proceedings of International Meeting on Light Water Reactor Severe Accident Evaluation*, Vol. 2:18.5-1 - 18.5-7, Boston, Massachusetts, 1983.
30. Chu, W., Dhir, V. K., and Marshall, J. (1983). Study of Pressure Drop, Void Fraction and Relative Permeabilities of Two Phase Flow through Porous Media, in *AIChE Symposium Series*, No. 225, Vol. 79:224-235, 1983.
31. Tung, V. X. and Dhir, V. K. (1984). On Fluidization of a Particulate Bed During Quenching by Flooding From the Bottom, in *Proceedings of 6th Information Exchange Meeting on Debris Coolability*, University of California, Los Angeles, California, November 1984.
32. Tung, V. X., Dhir, V. K., and Squarer, D. (1984). Quenching by Top Flooding of a Heat Generating Particulate Bed with Gas Injection at the Bottom, in *Proceedings of 6th International Exchange Meeting on Debris Coolability,* University of California, Los Angeles, California, November 1984.
33. Dhir, V. K., Amar, R. C., and Mills, J. C. (1984). Stratification in Horizontal Pipes Subjected to Fluid Temperature Transient at Inlet, in *ASME Winter Meeting*, No. 84-WA/HT-4, December 1984.
34. Dhir, V. K., Amar, R. C., and Mills, J. C. (1985). A Thermal-Hydrodynamic Model for Predicting Stratification in Horizontal Pipes of a Liquid Metal Cooled Fast Reactor, in *Proceedings of 2nd Special Meeting on Natural Circulation Phenomena*, Brookhaven National Lab, 106-118, Upton, New York, April 1985.
35. Dhir, V. K. and Mills, J. C.(1985). On the Design Options to Mitigate Stratification in LMFBR Piping, in *Proceedings of International Meeting on Fast Reactor Safety*, 451-456, Knoxville, Tennessee, April 1985.
36. Tung, V. X. and Dhir, V. K. (1985). Quenching of Debris Having Variable Permeability in the Axial and Radial Directions, in *Proceedings of 3rd International Topical Meeting on Reactor Thermal Hydraulics*, G-1 to 19,G-9, Newport, Rhode Island, October 1985.
37. Dhir, V. K. (1985). The Role and Limitations of Hydrodynamic Theory in Predicting Boiling Transitions, in *Proceedings of 8th National Heat Transfer Conference* (invited), Visakhapatnam, India, December 1985.
38. Pafford, D., Dhir, V. K., Anderson, E. B., and Cohen, J. (1985). A Model for Ground Surface Heating During a Prescribed Burn, in *Proceedings of 8th Conference on Fire and Forest Meteorology*, 1985.
39. Dhir, V. K. (1986). Enhancement in Heat Transfer as a Result of Tangential Injection, in *Proceedings of 4th Symposium on Energy Engineering Sciences, (Chemical Process and Control; Nonlinear Systems),* Argonne National Lab, Argonne, Illinois, May 1986.
40. Liaw, S. P. and Dhir, V. K. (1986). Effect of Surface Wettability on Transition Boiling Heat Transfer from a Vertical Surface, in *Proceedings of International Heat Transfer Conference*, 2031-2036, August 1986.

41. Ayazi, F. and Dhir, V. K. (1987). A Thermal and Hydrodynamic Limit for Minimum Heat Flux and Wall Superheat during Subcooled Film Boiling on a Horizontal Cylinder, Paper No. AIAA-87-1537, Honolulu, Hawaii, 1987.
42. Ho, V., Kim, K., Wong, A., and Dhir, V. K. (1987). Advanced LMMHD Space Power Generation Concept, in *Proceedings of 4th Symposium on Space Nuclear Power Systems*, Albuquerque, New Mexico, 1987.
43. Guo, Z. and Dhir, V. K. (1987). Effect of Injection Induced Swirl Flow on Single and Two-Phase Heat Transfer, HTD, Vol. 81:77-84, December 1987.
44. Valentkovich, V. and Dhir, V. K. (1988). Preliminary Theoretical and Experimental Investigation of a Swirl Flow Phase Separator for Microgravity Applications, in *Proceedings of 4th Symposium on Space Nuclear Power*, Albuquerque, New Mexico, 187-195, 1988.
45. Hung, T. C., Dhir, V. K., and Kastenberg, W.E. (1988). A Study of Decay Heat Removal in SAFR with the MDSNP Code, in *Proceedings of ANS Topical Meeting on Safety of the Next Generation Power Reactors*, Seattle, Washington, May 1988.
46. Kianjah, H. and Dhir, V. K. (1988). Experimental and Analytical Investigation of Dispersed Flow Heat Transfer in Tubes or Rod Bundles, in *Proceedings of 1st World Conference on Experimental Heat Transfer, Fluid Mechanics and Thermodynamics*, Dubrovnik, Yugoslavia, September 1988.
47. Dhir, V. K. and Tung, V. X. (1988). A Thermal Model for Fully Developed Nucleate Boiling of Saturated Liquids, in *Proceedings of ASME Winter Meeting*, Chicago, Illinois, December 1988.
48. Vijaykumar, R. and Dhir, V. K., "A Holographic Study of Subcooled Boiling on a Vertical Surface," HTD-109:125-132, August 1989.
49. Guo, Z. X. and Dhir, V. K. (1989). An Analytical and Experimental Study of Swirling Bubbly Flow, in Heat Transfer Measurements Analysis and Flow Visualization, HTD-Vol. 112, 1989.
50. Galamba, D. B. and Dhir, V. K. (1989). Simultaneous Condensation and Melting of a Vertical Surface with Uniform Heat Generation in the Condensate, in *AIChE Symposium Series*, 269, Vol. 85, August 1989.
51. Mardini, J., Lavine, A. S., Dhir, V. K., and Anderson, E., "Heat and Mass Transfer in Live Fuel During the Process of Drying, Pyrolysis and Ignition," Heat Transfer in Radiation, Combustion and Fires, HTD Vol. 106, August 1989.
52. Tung, V. X. and Dhir, V. K., "Two Dimensional Two-Phase Flow in Volumetrically Heat Porous Media," *Proceedings of the International Nuclear Reactor Thermal Hydraulics Conference*, Karlsruhe, Germany, 689-695, October 1989.
53. Dhir, V. K., Tung, V. X., Chang, F., and Yu, J., "Enhancement of Forced Convection Heat Transfer Using Single and Multi-Stage Tangential Injection," Heat Transfer in High Energy Heat Flux Applications, ASME Winter Meeting, HTD Vol. 119:1-8, December 1989.
54. Hung, T. C. and Dhir, V. K., "The Investigation of Conjugate Heat Transfer Phenomena in Advanced Fast Reactors," *Proceedings of ASME Winter Meeting*, December 1989.
55. Dhir, V. K., "Nucleate and Transition Boiling Heat Transfer under Pool and External Flow Conditions," *Proceedings of 9th International Heat Transfer Conference*, Jerusalem, Israel 1990.
56. Lingineni, S. and Dhir, V. K., "Theoretical and Experimental Investigation of Vapor Extraction Systems for Remediation of Hazardous Waste Sites," *Proceedings of ASCE National Conference on Environmental Engineering*, Arlington, Virginia, 1990.

57. Guo, Z., and Dhir, V. K., "On the Flow Reversal in Injection Induced Swirl Flow," *Proceedings of ASME Winter Meeting*, Dallas, Texas, November 1990.
58. Kastenberg, W. E., Apostolakis, G., Dhir, V. K., and Okrent, D., "Phenomenological Uncertainties in Severe Accident Management Strategies for PWR's," *Proceedings of the International Conference on Probabilistic Safety Assessment and Management*, 1045-1050, February 1991.
59. Kastenberg, W. E., Apostolakis, G., Dhir, V. K., and Okrent, D., "Uncertainties in Severe Accident Management Strategies for BWR's," *Transcript 11th International Conference on Structural Mechanics in Reactor Technology,* 37-42, 1991.
60. Vijaykumar, R. and Dhir V. K., "Hydrodynamics and Wave Structure During Subcooled Film Boiling on a Vertical Surface," *Proceedings of ASME/JSME Thermal Engineering Conference*, Vol. 2, January 1991.
61. Nishio, S., Himeji, Y., and Dhir, V. K., "Natural-Convection Film Boiling Heat Transfer: 2nd Report, Film Boiling from a Horizontal Flat Plate Facing Downward," *Proceedings of ASME/JSME Thermal Engineering Conference*, Vol. 2, February 1991.
62. Wang, C. H. and Dhir, V. K., "Effect of Surface Wettability on Active Nucleation Site Density During Pool Boiling of Water on a Vertical Surface," ASME HTD, Vol. 159, March 1991.
63. Park, H. J. and Dhir, V. K., "Effect of External Flooding on Retention of Core Material in a BWR Lower Head, 7th Proceeding of Nuclear Thermal Hydraulics, *ANS Winter Meeting*, July 1991.
64. Lay, J. H. and Dhir, V. K., "Nucleate Boiling on a Macro-Structured Surface Cooled by an Impinging Jet," 7th Proceeding of Nuclear Thermal Hydraulics, *ANS Winter Meeting*, 47-54, June 1991.
65. Park, H. J. and Dhir, V. K., "Steady State Thermal Analysis of External Cooling of a PWR Vessel Lower Head," *AIChE Symposium,* Series 283, Vol. 87, 1991.
66. Dhir, V. K., "Two-Phase Flow and Heat Transfer in Porous Media with Application to Severely Degraded Cores," International Seminar on Heat and Mass Transfer in Porous Media, 1991.
67. Frantz, B. and Dhir, V. K., "Experimental Investigation of Natural Convection in Spherical Segments of Volumetrically Heated Pools," HTD-Vol. 192:69-76, January 1992.
68. Katsumata, P. and Dhir, V. K., "An Experimental Study of Soil Venting Systems with Preheated Air to Remediate Gasoline Contaminated Soils," HTD-Vol. 193: 91-98, February 1992.
69. Lingenini S. and Dhir, V. K., "An Experimental and Theoretical Study of Remediation of Multicomponent Organic Contaminants in the Unsaturated Soil by Venting," HTD-Vol. 193:99-108, March 1992.
70. Park, H., Lee J., Dhir, V. K., and Mal, A. K., "Thermal Stresses and Creep Rupture Analysis for a PWR Vessel Head During External Flooding," *ANS Proceedings of National Heat Transfer Meeting*, 376-385, April 1992.
71. Wang, C. H. and Dhir, V. K., "On the Gas Entrapment and Nucleation Site Density During Pool Boiling of Saturated Water," Paper No. AIAA 92-4056, *Presented at the National Heat Transfer Conference*, June 1992.
72. Moseley, W. A. and Dhir, V. K., Capillarity in Porous Media and the Effect of Wettability," *ASME Winter Meeting*, August 1992.
73. Lay, J. H. and Dhir, V. K., Microlayer Thickness and Shape of a Vapor Stem During Nucleate Boiling," *ASME Winter Meeting*, August 1992.
74. Ryan, R. G. and Dhir, V. K., "The Effect of Soil Particle Size on Hydrocarbon Entrapment Near a Dynamic Water Table," *Proceedings of 3rd Annual West Coast Conference on Hydrocarbon Contaminated Soils and Groundwater*, Long Beach, CA, March 1992.

75. Son, G. and Dhir, V. K., "Enhancement of Heat Transfer in an Annulus Using Tangential Flow Injection," ASME, HTD Vol. 246:59-66, 1993.
76. Mardini, J. A., Lavine, A. S., and Dhir, V. K., "Experimental and Analytical Study of Heat and Mass Transfer in a Simulated Fuel Element During Fires," ASME, HTD Vol. 250:1-9, 1993.
77. Chang, F. and Dhir, V. K., "Heat Transfer Enhancement and Turbulent Flow Field in Tangentially Injected Swirl Flows in Tubes," ASME, HTD Vol. 256:37-48, 1993.
78. Joo, Y. and Dhir V. K., "An Experimental Study of Fluidelastic Instability of a Tube in Two-Phase Cross Flow," *ANS Proceedings of National Heat Transfer Conference*," Atlanta, GA, HTC Vol. 7, pp. 137-144, August 1993.
79. Asfia, F. J. and Dhir, V. K., "An Experimental Study of Natural Convection in a Volumetrically Heated Spherical Pool with Rigid Wall," *IMECE Winter Annual ASME Meeting*, 94-WA/HT-26, November 1994.
80. Asfia, F. J., and Dhir, V. K., "Natural Convection Heat Transfer in Volumetrically Heated Spherical Pools," *Presented at OECD Workshop on Large Molten Pool Heat Transfer*, March 1994.
81. Son, G. and Dhir, V. K., "Two Dimensional Numerical Simulation of Saturated Film Boiling on a Horizontal Surface," *Proceedings of Joint ASME-JSME Thermal Engineering Conference*, Maui, Hawaii, March 1994.
82. Lay, J. H. and Dhir, V. K., "A Nearly Theoretical Model for Fully Developed Nucleate Boiling of Saturated Liquids," *Proceedings of the 10th International Heat Transfer Conference*, Brighton, England, August 1994.
83. Lay, J. H. and Dhir, V. K., "A Theoretical Study of the Relationship Between Contact Angles and the Shape of a Vapor Stem," ASME HTD Vol. 308:133-143, 1995.
84. Issacci, F., Wang, C. H., and Dhir, V. K., "Boiling Heat Transfer and Two-Phase Flow in Microgravity: A Review," *Proceedings of the 30th National Heat Transfer Conference*, ASME HTD Vol. 305:3-14, 1995.
85. Asfia, F. J. and Dhir, V. K., "Investigation of Natural Convention in a Volumetrically Heated Spherical Cavity with Simultaneous Freezing on the Cavity Wall," *Winter ASME Meeting*, San Francisco, 1995.
86. Son, G. and Dhir, V. K., "Numerical Simulation of the Instability of Liquid-liquid Layers Associated with Melting of a Horizontal Substrate," *AIChE Symposium,* Series, Vol. 97:132-137, 1995.
87. Dhir, V. K. and Lay, J. H., "On the Mechanism of Very High Evaporative Heat Fluxes in Nucleate Boiling," *Proceedings of a Multidisciplinary International Symposium On Intense Multiphase Interactions (Proceedings of U.S.-Japan Joint Seminar)*, Santa Barbara, 125-135, 1995.
88. Son, G., Banerjee, D., Dhir, V.K., "Conjugate Thermal and Hydrodynamic Analysis of Saturated Film Boiling from a Horizontal Surface", Winter ASME Meeting, Atlanta, GA, (1996)
89. Nakajima, R., Ramanujupu, N. K., and Dhir, V. K., "Critical Heat Flux During Subcooled Flow Boiling in Narrow Rectangular Channels," *Winter ASME Meeting*, HTD Vol. 334, Part 3, pp. 93-100, Atlanta, Georgia, 1996.
90. Kugler, S. and Dhir, V. K., "Enhancement of Nucleate Boiling Heat Transfer on Macro/Micro Structured Surfaces Cooled by Multiple Impinging Jets," *AIChE Symposium,* Series 310, Vol. 92:289-293, 1996.
91. Fotinich, A., Joo, Y. and Dhir, V. K., "Investigation of Remediation of Soil Contaminated with Diesel Using Air Venting," *Winter ASME Meeting* HTD Vol. 334, Part 4, pp. 90-96, Atlanta, Georgia, 1996.
92. Asfia, F. J. and Dhir, V. K., "Natural Convection in a Volumetrically Heated Spherical Pool Containing Superposed Layers," *ANS Proceedings,* HTC-Vol. 9:131-138, 1996.

93. Son, G. and Dhir, V. K., "Nonlinear Taylor Instability with Application to Film Boiling and Melting," *Proceedings of Japan-U.S. Seminar on Two Phase Flow Dynamics*, Fukuoka, Japan, 301-309, 1996.
94. Dhir, V. K., "Pool Boiling Heat Transfer: Recent Advances and Expectations for the Future," *A.E. Bergles 60th Birthday Symposium* (invited), Volume 95-125, 1996.
95. Von Arx, A. V. and Dhir, V. K., "System Simulation of a Multi-Cell Thermionic Space Reactor," ASME, Paper No. 96-WA/HT-2, P*resented at IMECE*, Atlanta, Georgia, November 1996.
96. Purohit, G. P., Donatelli, P., Dhir, V. K., and Driscoll, R. J., "Transient Thermal Modeling of ARC 5 lbs. Bi-Propellant Thruster," Paper No. AIAA-96-3304, *Presented at the 32nd AIAA/ASME/SAE/ASEE Joint Propulsion Conference*, Lake Buena Vista, FL, July 1996.
97. Son, G. and Dhir, V. K., "Numerical Simulation of Film Boiling Near Critical Pressures with a Level Set Method," HTD-342:3 - 10, 1997.
98. Dhir, V. K., Son, G., and Banerjee, D., "Numerical Simulation of Instability of Interfaces between Superposed Layers with Application to Phase Change Processes," *ASME FED*, 244:31-42, 1997.
99. Dhir, V. K., "Results of Some Recent Studies on Pool Nucleate and Film Boiling," *Proceedings of 3rd ISHMT-ASME Conference* (invited) 143-158, 1997.
100. Banerjee, D. and Dhir, V. K., "Natural Convection in a Cylindrical Section With a Static Protrusion: Numerical Simulation Relevant to Subcooled Film Boiling," *Proceedings of 11th International Heat Transfer Conference*, Kyongju, Korea, 1998.
101. Son, G. and Dhir, V. K., "Numerical Simulation of a Single Bubble During Partial Nucleate Boiling on a Horizontal Surface" *Proceedings of 11th International Heat Transfer Conference*, Kyongju, Korea, 1998.
102. Dhir, V. K., Qiu, D. M., Ramanujapu, N., and Hasan, M. M., "Investigation of Nucleate Boiling Mechanisms under Microgravity Conditions," *Proceedings of Microgravity Fluid Physics & Transport Phenomena Conference*, Cleveland, Ohio, August 1998.
103. An, X., Dhir, V. K., and Okrent, D., "On the Effect of Accident Conditions on the Likelihood that Molten Core Debris will Relocate to the Reactor Vessel Lower Head of a PWR," *Proceedings of PSAM Conference*, New York, New York, September 1998.
104. Jiang, S., Horn, T. J., and Dhir, V. K., "Numerical Analysis of a Radiant Heat Flux Calibration System," *IMECE*, 21 (14): 941-953, November 1998.
105. Singh, S. and Dhir, V. K., "Effect of Gravity, Wall Superheat and Liquid Subcooling on Bubble Dynamics During Nucleate Boiling," *Proceedings of Engineering Foundation Conference* on Microgravity Fluid Physics and Heat Transfer, Honolulu, Hawaii, September 1999.
106. Qiu, D. M., Dhir, V. K., Hasan, M. M., Clao, D., Neumann, E., Yee, G., and Birchenough, A., "Single Bubble Dynamics During Nucleate Boiling Under Low Gravity Conditions," *Proceedings of Engineering Foundation Conference on Microgravity Fluid Physics and Heat Transfer*, Honolulu, Hawaii, September 1999.
107. Purohit, G. P., Vu, C. C., and Dhir, V. K., "Transient Lumped Capacity Thermodynamic Model for Satellite Propellant Tanks in Microgravity," *American Institute of Aeronautics and Astronautics*, 99-1088, January 1999.
108. Qiu, D. M., and Dhir, V. K., "An Experimental Study of Heat Transfer During Sliding of Bubbles on Inclined Surfaces," *Proceedings of 5th ASME/JSME Joint Thermal Engineering Conference*, San Diego, California, March 1999.

109. Ramanujapu, N. and Dhir, V. K., "Dynamics of Contact Angle during Growth Detachment of a Vapor Bubble at a Single Nucleation Site," *Proceedings of 5th ASME/JSME Joint Thermal Engineering Conference*, San Diego, California, March 1999.
110. Warrier, G., and Dhir, V. K., "Review of Experimental and Analytical Studies in Low Pressure Subcooled Flow Boiling," *Proceedings of 5th ASME/JSME Joint Thermal Engineering Conference*, San Diego, California, March 1999.
111. Qiu, M., Singh, S. and Dhir, V. K., "Dynamics of Bubble Growth on a Heated Surface Under Low Gravity Conditions," *Proceedings of Space Power Conference*, Albuquerque, New Mexico, January 2000.
112. Purohit, G. P., Donatelli, P. A., Ellison, J. R., and Dhir, V. K., "Transient Thermal Model of a Film Cooled Thruster," *AIAA Conference*, Paper No. 2000-1071, Reno, Nevada, January 2000.
113. Purohit, G. P., Donatelli, P. A., Ellison, J. R., and Dhir, V. K., "Parametric Examination of the Effect of Propellant Temperature and Pressure on Thermal Response of a Bi-propellant Thruster," *AIAA Conference*, Paper No. 2000-1072, Reno, Nevada, January 2000.
114. Qiu, D., Dhir, V. K., Hasan, M. M., Chao, D., Neumann, E., Yee, G., Birchenough, A., and Withrow, J., "Dynamics of Bubble Growth on a Heated Surface Under Low Gravity Conditions," *AIAA Conference*, Paper No. 2000-0852, Reno, Nevada, January 2000.
115. Purohit, G. P., Dhir, V. K., and Frederking, T. H. K., "Experimental Investigation of Capillary Pressure and Flow in Photo-Chemically Etched Disk Stacks," *Presented at the 36th AIAA/ ASME/ SAE/ ASEE Joint Propulsion Conference and Exhibit,* Huntsville, Alabama, July 2000.
116. Purohit, G. P., Dhir, V. K., and Frederking, T. H. K., "Experimental Investigation of Stability of Static Liquid Fillets in Capillary Passages," *Presented at the 36th AIAA/ ASME/ SAE/ ASEE Joint Propulsion Conference and Exhibit*, Huntsville, Alabama, July 2000.
117. Fabbri, M. and Dhir, V. K., "An Experimental Study of Natural Convection in a Volumetrically Heated Pool Contained in a Cylindrical Cavity," *Proceedings of 34th National Heat Transfer Conference*, Pittsburgh, Pennsylvania, August 2000.
118. Qiu, D. M., Dhir, V. K., Hassan, M., and Chao, D., "Dynamics of Single and Multiple Bubbles During Nucleate Boiling Under Low Gravity Conditions," *Proceedings of 34th National Heat Transfer Conference*, Pittsburgh, Pennsylvania, August 2000.
119. Jiang, S., and Dhir, V. K., "Heat Removal Using Phase Change Microdroplets," *Proceedings of 34th National Heat Transfer Conference*, Pittsburgh, Pennsylvania, August 2000.
120. Warrier, G., Basu, N., and Dhir, V. K., "Interfacial Heat Transfer During Subcooled Flow Boiling," *Proceedings of 34th National Heat Transfer Conference*, Pittsburgh, Pennsylvania, August 2000.
121. Ramanujapu, N. and Dhir, V. K., "On the Formation of Vapor Columns and Mushrooms Bubbles During Nucleate Boiling on a Horizontal Surface," *Proceedings of 34th National Heat Transfer Conference*, Pittsburgh, Pennsylvania, August 2000.
122. Dhir, V. K., "On the Use of Numerical Simulations to Augment Our Understanding of Boiling Heat Transfer," *Proceedings of 34th National Heat Transfer Conference*, Pittsburgh, Pennsylvania, August 2000.
123. Qiu, D. and Dhir, V. K., "Experimental Study of Flow Pattern and Heat Transfer Associated with a Bubble Sliding on Inclined Surfaces," *Proceedings of 4th International Conference on Multiphase Flow*, New Orleans, Louisiana, May 2001.

124. Warrier, G., Pan, T., and Dhir, V. K., "Heat Transfer and Pressure Drop in Narrow Rectangular Channels," *Proceedings of 4th International Conference on Multiphase Flow*, New Orleans, Louisiana, May 2001.
125. Maity, S. and Dhir, V. K., "An Experimental Study of Vapor Bubble Dynamics on Inclined Surfaces Subjected to Forced Flow Along the Surface," *Proceedings of 35th National Heat Transfer Conference*, Anaheim, California, June 2001.
126. Basu, N., Warrier, G., and Dhir, V. K., "Onset of Nucleate Boiling and Active Nucleation Site Density During Subcooled Flow Boiling of Water," *Proceedings of 35th National Heat Transfer Conference*, Anaheim, California, June 2001.
127. Dhir, V. K., "Technologies for Remediation of Soils Contaminated with Hydrocarbons," *International Conference on Energy Conversion and Application*, Wuhan, China, June 2001.
128. Bai, Q. and Dhir, V. K., "Numerical Simulation of Bubble Dynamics in the Presence of Boron in the Liquid," *IMECE*, New York, New York, November 2001.
129. Sinha, S., Freund, J., and Dhir, V. K., "Molecular Dynamics Simulation of Interfacial Tension of Ultra Thin Liquid Films Formed on a Solid Surface," *IMECE*, New York, New York, November 2001.
130. Dhir, V. K., "Boiling under Microgravity Conditions," *Proceedings of 12th International Heat Transfer Conference* (keynote), Grenoble, France, August 2002.
131. Fabbri, M., Jiang, S., and Dhir, V. K., "Experimental Investigation of a Micro Jets-based Cooling Package for Electronic Applications," *Proceedings of 12th International Heat Transfer Conference*, Grenoble, France, August 2002.
132. Dhir, V. K., "Phase Change Heat Transfer – A Review of Purdue Research," Heat Transfer Celebration at Purdue, West Lafayette, Indiana, April 2003.
133. Basu, N., Warrier, G., and Dhir, V. K., "Prediction of Subcooled Forced Flow Boiling Heat Transfer—A Mechanistic Approach," *Proceedings of 5th International Boiling Heat Transfer Conference*, Montego Bay, Jamaica, May 2003.
134. Abarajith, H.S., Dhir, V.K., and Warrier, G., "Numerical Simulation and Experimental Validation of the Dynamics of Multiple Bubble Merger During Pool Boiling Under Microgravity Conditions", Proceedings of the Microgravity Transport Processes in Fluid, Thermal, Biological and Material Sciences, Devos, Switzerland, (2003)
135. Dhir, V. K., "Phase Change Heat Transfer—A Perspective for the Future," Rohsenow Symposium Series, MIT, Cambridge, Massachusetts, May 2003.
136. Abarajith, H. S., Qiu, D. M., and Dhir, V. K. (2003.) Numerical Simulation and Experimental Validation of the Dynamics of a Single Bubble Merger During Pool Boiling Under Constant and Time-Varying Reduced Gravity Conditions, in *Proceedings of ASME HT2003* - ASME Summer Heat Transfer Conference, July 21-23, 2003, Las Vegas, Nevada.
137. Manickam, S. and Dhir, V. K. (2003). Holographic Interferometric Study of Heat Transfer Associated with a Single Vapor Bubble Sliding along a Downward Facing Heater Surface, in *Proceedings of ASME HT2003* - ASME Summer Heat Transfer Conference, July 21-23, 2003, Las Vegas, Nevada.
138. Mukherjee, A. and Dhir V. K. (2003). Numerical Study of Lateral Merger of Vapor Bubbles during Nucleate Pool Boiling, in *Proceedings of ASME HT2003* - ASME Summer Heat Transfer Conference, July 21-23, 2003, Las Vegas, Nevada.

139. Sinha, S., Dhir, V. K., Shi, Bo, Freund, J., and Darve, E. (2003). Surface Tension Evaluation in Lennard-Jones Fluid System with Untruncated Potentials," *Proceedings of ASME HT2003* - ASME Summer Heat Transfer Conference, July 21-23, 2003, Las Vegas, Nevada.
140. Basu, N., Warrier, G., and Dhir, V. K. (2003). Wall Heat Flux Partitioning During Subcooled Flow Boiling at Low Pressures, in *Proceedings of ASME HT2003* - ASME Summer Heat Transfer Conference, July 21-23, 2003, Las Vegas, Nevada.
141. Fabbri, M., Jiang, S., and Dhir, V. K. (2003). Experimental Investigation of Single Phase Micro Jets Impingement Cooling for Electronic Application, in *Proceedings of ASME HT2003* - ASME Summer Heat Transfer Conference, July 21-23, 2003, Las Vegas, Nevada.
142. Fabbri, M., Jiang S., and Dhir, V. K., "A Comparative Study of Spray and Multiple Cooling Microjets for High Power Density Electronic Applications," *Proceedings of IMECE*, Washington, D.C., November 2003.
143. Hays, B. Z., Warrier, G. R., Dhir, V. K., "Experimental Study of the Effect of Channel Orientation and Flow Oscillations on Critical Heat Flux," *Proceedings of IMECE*, 2004.
144. Pesse, A. V., Warrier, G.R., and Dhir, V. K., "Experimental Study of the Gas Entrapment Process in Closed-End Microchannels," *Proceedings of IMECE*, 2004.
145. Jia, W. and Dhir, V. K., "Dynamics of Contact Angel during Growth and Liftoff of Bubbles at a Single Nucleation Site in Flow Boiling," *Proceedings of IMECE*, 2004.
146. Li, D. and Dhir, V. K., "A Numerical Study of Single Bubble Dynamics During Flow Boiling," *Proceedings of IMECE*, 2004.
147. Abarajith, H. S., Dhir, V. K., and Son, G., "Numerical Simulation of Dynamics of Multiple Bubble Merger During Pool Boiling Under Reduced Gravity Conditions," *Proceedings of U.S. – Japan Workshop on Multiphase Flows*, Grazie, Japan, 2004.
148. Li, D., Manickman, S., and Dhir, V. K., "A Numerical Study of a Single Bubble Sliding on a Downward Facing Heating Surface," *Heat Transfer Conference*, San Francisco, California, 2005.
149. Li, D. and Dhir, V. K., "Single Bubble Dynamics During Flow Boiling on a Horizontal Surface at Different Gravity Levels," *Heat Transfer Conference*, San Francisco, California, 2005.
150. Shukla, R. K. and Dhir, V. K., "Numerical Study of the Effective Thermal Conductivity of Nanofluids," *Heat Transfer Conference*, San Francisco, California, 2005.
151. Shi, B. and Dhir, V. K., "Molecular Dynamics Simulations of the Density and Surface Tension of Water by PPPM Method," *Heat Transfer Conference*, San Francisco, California, 2005.
152. Dhir, V.K., Abarajith, H., Li, D., "Bubble Dynamics and Heat Transfer During Pool and Flow", Proceedings of 4th International Heat, Fluids and Thermodynamics Conference, Cairo, Egypt, (09/18/2005
153. Shi, B. and Dhir, V. K., "Molecular Simulation of the Contact Angle of Water Droplet on a Platinum Surface," ASME Conf. Proceedings, 2005.
154. Meduri, P.K.., Warrier, G., Dhir, V.K., "Flow Film Boiling on a Vertical Flat Plate at Different Subcoolings and Flow Velocities", Proceedings of the 13th International Heat Transfer Conference, Sydney, Australia, (August 2006)
155. Meduri, P. R., Warrier, G. R., and Dhir, V. K., "Inverted Annular Flow Film Boiling on a Vertical Flat Plate at Different Subcoolings and Flow Velocities," *Proceedings of 13th International Heat Transfer Conference*, Sydney, Australia, August, 2006.

156. Dhir, V. K., and Son, G., "Some Unexplored Aspects of Pool and Flow Boiling," *Proceedings of 6th International Conference on Multiphase Flow,* Leipzig, Germany, July 9-13, 2007.
157. Wu, J. and Dhir, V. K., "Numerical Simulations of Dynamics and Heat Transfer Associated with a Single Bubble in the Presence of Noncondensables," ASME Conf. Proceedings 2007.
158. Meduri, P. K., Warrier, G. R., and Dhir, V. K., "Correlations for wall heat flux partitioning during Subcooled Forced Flow Boiling," 6th International Conference on Heat Transfer; Fluid Mechanics and Thermodynamics, Pretoria, South Africa, Paper number: MP230 June to 2 July 2008.
159. Meduri, P. K., Warrier, G. R., and Dhir, V. K., "Wall Heat Flux Partitioning During Subcooled Flow Film Boiling," *Proceedings of U.S. – Japan Seminar on Two-Phase Flow Dynamics*, Santa Monica, California, September 14-18, 2008.
160. Dhir, V. K., "Simulation of Boiling – How Far We Have Come," *ECI International Conference on Boiling Heat Transfer*, Florianopolis, Brazil, May 3-4, 2009.
161. Dhir, V. K., "Microgravity Simulation and Scaling of Pool Boiling Phenomena," *Proceedings of 4th International Topical Team Workshop*, Novosibirsk, Russia, September 6-8, 2009.
162. Yi, S., Warrier, G. R., and Dhir, V.K, "Heat Transfer and Hydrodynamics of Subcooled Inverted Annular Flow Film Boiling on a Single Rod Heater," *Proceedings of IMECE*, Lake Buena Vista, Florida, November 19, 2009.
163. Warrier, G. R., Rousselet, Y., and Dhir, V. K. (2011). A numerical investigation of heat transfer from small horizontal cylinders at near-critical pressures, in *Proceedings of ASME/JSME 2011 8th Thermal Engineering Joint Conference*, Honolulu, Hawaii, March 13 – 17, 2011.
164. Rousselet, Y., Warrier, G. R., and Dhir, V. K., "An experimental study of heat transfer from small horizontal cylinders at near-critical pressures," in *Proceedings of ASME/JSME 2011 8th Thermal Engineering Joint Conference,* Honolulu, Hawaii, March 13 – 17, 2011.
165. Dhir, V.K., Warrier, G.R., Aktinol, E., Chao, D., Eggers, J., Sheredy, W., and Booth, W., "Nucleate Pool Boiling Experiment (NPBX) on the International Space Station (ISS)," *Proceedings of the 6th International Conference on Two-Phase Systems for Ground and Space Applications*, Cava de'Tirreni, Italy, September 25-28, 2011.
166. Warrier, G.R. and Dhir, V.K., "Results of Recent Nucleate Pool Boiling Experiments on the International Space Station", 2012 Japan-U.S. seminar on Two-Phase flow Dynamics, Tokyo, Japan, June 7,2012.
167. Dhir, V. K., Warrier, G. R., Aktinol, E., "Bubble dynamics during pooling boiling under microgravity conditions," *CHT-12 Symposium*, University of Bath, UK, July 1, 2012.
168. Dhir, V. K., "Boiling Heat Transfer – Recent Advances and Challenges," *Robert Henry Thurston Lecture, IMECE*, Boston, Massachusetts, November 5, 2008.
169. Dhir, V. K. and Graham, S., "Decadal Survey in Life and Physical Sciences Space Research," *Proceedings of IMECE*, Basic Engineering Group Open Forum, Orlando, Florida, November 18, 2009.
170. Dhir, V. K., "Nucleate pool boiling experiment (NPBX) on the International Space Station (ISS)," Presented to National Tsing Hua University, Taipei, Taiwan, December 9, 2011.
171. Dhir, V. K., ""Do we have the capability to predict the effect of gravity on nucleate pool boiling heat transfer?" Keynote Lecture at the Annual Conference of Chinese Society of Mechanical Engineering, Taipei, Taiwan, December 10, 2011.

172. Dhir, V. K. (2012). Numerical Simulation of Boiling at Different Levels of Gravity, Paper 1220120217203 ICCES '12, Crete, Greece, April 30-May 4, 2012.
173. Dhir, V. K., "Can we predict the effect of gravity on nucleate pool boiling?" *Rohsenow Lecture in Heat and Mass Transfer*, Massachusetts Institute of Technology, April 26, 2013.
174. Dhir, V. K. and Garg, D., "Relaxation of assumptions in Zuber's hydrodynamic theory of pool maximum heat flux," Presented at Symposium in Honor of Dr. Novak Zuber, 2013 International Mechanical Engineering Congress and Exposition, San Diego, California, November 20, 2013.
175. Dhir, V. K., "Nucleate pool boiling at different levels of gravity," Plenary Lecture, Indian Society for Heat and Mass Transfer, Indian Institute of Technology Kharagpur, December 29, 2013.
176. Dhir, V. K., "Wall heat flux partitioning during subcooled forced flow nucleate and film boiling," Workshop on Heat Transfer at Indian Institute of Technology Mumbai, December 26-27, 2013.

BOOKS AND CHAPTERS

Dhir, V. K., *Phase Change Heat Transfer—Boiling and Condensation*. First Draft of the Textbook.

Dhir, V. K., "Heat Transfer," *Year Book of Science and Technology*, McGraw Hill, New York, pp. 168-171, 1993.

Muralidhar, K., Srinivasa Murthy, S., Biswas, G., and Dhir, V. K., *Heat and Mass Transfer* 1997, Narosa New Delhi, India, 1997, pp. 1-1228.

Kandlikar, S., Shoji, M., and Dhir, V. K., (editors), *Handbook of Phase Change – Boiling and Condensation*, Taylor and Francis, Philadelphia, PA, 1999.

Monde, M., Ueda, T., Koizumi, Y., and Dhir, V. K., "Augmentation Techniques and External Flow Boiling," Chapter in *Handbook on Phase Change – Boiling and Condensation*, Taylor and Francis, Philadelphia, PA, 1999.

Dhir, V. K., "Boiling Curve," Chapter in *Handbook on Phase Change – Boiling and Condensation*, Taylor and Francis, Philadelphia, PA, 1999.

Dhir, V. K., Kandlikar, S.G., Fujita, Y., Iida, Y., and Heist, R., "Nucleate Boiling," Chapter in *Handbook on Phase Change – Boiling and Condensation*, Taylor and Francis, Philadelphia, PA, 1999.

Nakayama, W., Yabe, A., Kew, P., Cornwell, K., Kandlikar, S.G., and Dhir, V. K., "Flow Boiling in Advanced Geometries and Applications," Chapter in *Handbook on Phase Change – Boiling and Condensation*, Taylor and Francis, Philadelphia, PA, 1999.

Dhir, V. K., ed., *Microgravity Fluid Physics and Heat Transfer*, Begell House, Inc., New York, NY, 2000.

Dhir, V. K., "Remediation of Soils Contaminated with Hydrocarbons," Handbook of Porous Media, Marcel and Dekker, New York, 2000.

Dhir, V. K., "Condensation," Year Book of Science and Technology, McGraw Hill, New York, 2001.

Dhir, V. K., "Boiling," Year Book of Science and Technology, McGraw Hill, New York, 2001.

Dhir, V. K., "Nucleate Pool Boiling under Reduced Gravity Conditions – Role of Numerical Simulations," Chapter in *Advances in Heat Transfer – Volume 47*, Reed Elsevier, Chennai, India, 2015.

BOOK REVIEW

Dhir, V. K., "In Situ Thermal Technologies for Remediation," by L.A. Smith and R.E. Hinchee, Lewis Publishers, Boca Raton, FL, published in *Waste Management*, Vol. 14, No. 2, 1994.

PATENT

Dhir, V. K., "Heat Transfer Enhancement Using Tangential Injection," Patent No. 5,291,943 - March 8, 1994.

GRADUATE STUDENTS

A total of 44 students have completed their Ph.D. dissertations under Professor Dhir's supervision. Twenty-seven M.S. students have graduated under the thesis option and fifteen M.S. students have graduated under the comprehensive examination plan. Eight of the students now hold academic positions in the United States and abroad, while the remaining hold important positions in industry and other organizations.

EXTRAMURAL FUNDING

Professor Dhir's current research funding from various agencies is about $400K/yr.

INVITED, PLENARY AND KEYNOTE LECTURES

Vijay Dhir is called upon to give seminars and invited lectures at various institutions and conferences on an average of five to six times a year.

DON GENTRY

Natural Resources Specialist
The Klamath Tribes

Biography of Don Gentry – Natural Resources Specialist, The Klamath Tribes

Don was born in 1955 in Klamath Falls, Oregon, where he and his wife, Mary, currently live. They have three children, eleven grandchildren and six great grandchildren.

He was hired as the Klamath Tribes Natural Resources Specialist in January 2023. Don was elected Vice Chairman of the Klamath Tribes in 2010, and Chairman in 2013, and served on the Klamath Tribal Council twelve years until May of 2022. Prior to serving on the Klamath Tribal Council, Don worked for the Klamath Tribes Natural Resource Department for twenty-five years where he served as the Klamath Tribes Natural Resources Specialist.

Don worked in fire control for the U.S. Forest Service on the Fremont/Winema National Forest in 1973-1974 and 1981-1983. In his capacity as the Klamath Tribes Natural Resource Specialist, he received formal training and gained practical field experience in fish and wildlife population and habitat assessment and monitoring, water quantity and quality monitoring, and forest and stream restoration project planning and management. In addition, he attended Pacific Bible College and received a Certificate of Christian Ministry in 2010.

In addition to his work in natural resources and on the Klamath Tribal Council, Don and his wife, Mary, owned and operated Truth Music, in Klamath Falls, Oregon from 1975 through 1980. He was also a volunteer at the Klamath Alcohol and Drug Abuse Center in 1973-1974, and was a nurse's aide at the Klamath Council on Alcoholism Detox Center in late 1974.

February 28, 2023

JOHNNIE L. EARLY, II
PhD, RPh, Fellow NPhA Honorary Member,
American Society of Health Systems Pharmacists

https://www.linkedin.com/in/johnnie-early-ii-/

POSITION OBJECTIVE:
A senior leadership position that allows the application of knowledge and skills in leadership, policy development, collaboration across disciplines, and developing and promoting quality academic programs. In addition, a position that allows the use of the application of the keen skill of developing programs and people.

BUSINESS ADDRESS

Florida A&M University
College of Pharmacy and Pharmaceutical Sciences,
Institute of Public Health
1415 S. Martin Luther King Jr. Boulevard
Tallahassee, FL 32307
850-599-3171
Johnnie.early@famu.edu

HOME ADDRESS
2221 Orange Ave. East, Apt. 1218
Tallahassee, FL 32311
850-999-8108
Johnnieearly88@gmail.com

INSTITUTION	DEGREE	YEAR CONFERRED	FIELD OF STUDY
Fort Valley State University	Pre-Pharm	1967-1970	Biology
Mercer University Southern School of Pharmacy	B.S.	1973	Pharmacy
Purdue University	M.S.	1976	Pharmacology/
Purdue University	PhD	1978	Toxicology

LICENSURE: Registered Pharmacist: Georgia and South Carolina (inactive)

CONTINUING EDUCATION (select listings)

2005 Harvard University, Management, and Leadership in Education

2000 Council for the Advancement and Support of Education, *Major Gift Fund Raising for Deans*, February 15-17, 2000.

1998 Completed Glaxo/Wellcome/American Association of Colleges of Pharmacy (AACP) Academic Leadership Institute.

1993 Completed the Covey Leadership Center Seminar, The Seven Habits of Highly Effective People, March 4-6, 1993.

1993 Completed the 3 M Sponsored, Total Quality Management Workshops, August 9-12, 1993.

1983 Mid-America Course in Toxicology, University of Kansas

Leadership Facilitator and Mentor 2010, 2015 and 2021
Selected twice to be a dean facilitator for the AACP Academic Fellows Leadership Program of three cohorts of five or six academic pharmacy faculty and served as dean mentor for five Toledo faculty. As a facilitator, the readings and sessions stimulated personal learning and growth.

RESEARCH AND PROFESSIONAL EXPERIENCE

2023 Selected as Chairperson with the Association of Minority Health Professions Schools

Minority Health Professions Member Schools			
Dentistry	**Medicine**	**Pharmacy**	**Veterinary medicine**
Meharry	Charles Drew	Florida A&M	Tuskegee
Howard	Meharry		
	Morehouse	Hampton (BS in Pharmaceutical Sciences only)	
	Howard	Howard	
		Texas Southern	
		Xavier	

2022 Competed to become one of six hosts for the Bridging Pharmacy Education to Practice Summit, June 2-3, 2022. Five hosts were majority schools.

2020 Named the decades old symposium to honor the long-time leader. The Leonard L. Inge Clinical Pharmacy Symposium.

2017 Purdue University College of Pharmacy, Chairperson of the Strategy Plan task force on student experience and success.

2012-2017 The College served as the co-sponsor of the International Pharmaceutical Conference in collaboration with the Al Zaytoonah Faculty of Pharmacy, A Private University located in Amman, Jordan. Selected as the keynote speaker in 2010, 2012, 2015, and 2017.

2007-2008 Chair, Ohio Pharmacy Consortium. A consensus (non-voting) group of pharmacy organizations, the Board of Pharmacy, and schools of pharmacy serves as a forum for communications.

2004 Celebrated the centennial of the University of Toledo College of Pharmacy, the oldest of the UT colleges. The well-attended gala generated $ 4,000 in scholarships. Published a memory book, edited by Heather Van Doren, University of Toledo, Director of External Affairs and Communications. The memory book received the 2005 Crystal Merit Award of Achievement from the Toledo Professional Chapter of the Association of Women in Communications.

2018 - Dean and Professor, Florida A&M University College of Pharmacy and Pharmaceutical Sciences, Institute of Public Health

Another feature of a unique decanal career is the return to the campus of the first decanal appointment. Even more, the appointing president in retirement continued to provide mentorship in development. The College is one of fourteen and among the three health science degree colleges.

The $13 million budget includes an impressive investment in learner success. Approximately $315,000 funds experiential, Enflux, licensure preparation, and assessment platforms. This

NAPLEX STATE AND NATIONAL COMPARISON 2021

Aggregation	Total N	Passing N	Failing N	Pass Rate
FAMU	69	62	7	90%
STATE	721	615	106	85.3%
NATIONAL	13260	11094	2166	83.7%

NAPLEX STATE AND NATIONAL COMPARISON 2022

Aggregation	Total N	Passing N	Failing N	Pass Rate
FAMU	103	88	15	85%
STATE	758	629	129	83%
NATIONAL	12548	10038	2510	80%

funding reflects a steady progression in the headcount of learners earning licensure of the first NAPLEX sitting from the nadir (59%, 2016) to 83% (2019, 2020). The College was above both state and national passing rates for graduating classes in both 2021 and 2022.

In his second term as dean, Early was instrumental in assisting the public health institute in meeting its objectives, including reaccreditation with no non-compliant findings, underscoring pharmacy's essential place in the public health arena during the COVID-19 pandemic.

2019 Changed the unit's name to College of Pharmacy and Pharmaceutical Sciences, Institute of Public Health (CoPPS, IPH), and the logo to include public health (2019).

Second Appointment (2018 – date)

- Charter class, BSPS; Community Pharmacy Resident, Accreditation
- Natasha Mitchell(2020) completed the Diabetes two-year Fellowship conducted with the Neighborhood Medical Center. She obtained the status of board certification in advanced diabetes care. Two fellows preceded her.
- Natasha Mitchell (2020) completed the Diabetes two-year Fellowship conducted with the Neighborhood Medical Center. She obtained the status of board certification in advanced diabetes care.
- Amy Renaud, charter graduate of the postgraduate year one (PGY1) community-based pharmacy residency program. A partnership with Community Health, Northwest Florida, Pensacola, Florida.
    - The program was accredited (2022) by the ASHP committee on credentialing.
- Licensure passing rate above the state and national levels, classes of 2021 (90%); and 2022 (85%).
- Charter class, summer campers
    - The BS in Pharmaceutical Sciences class of nine graduated.
    - Emerging Pharmacist Summer Camp, 22 high school students.
- Joshua Atkins, a 2014 Walgreens Toledo Pharmacy Practice Camp, graduated under the same Dean at FAMU.
- Was the sitting Dean when the first PhD degree was conferred to Dr. Hyacinth Akunne (Dr. K. Soliman,1989) and the 150th degree conferred to Dr. Asha Rizor (Dr. Eun Sook Lee, 2021)
- A manuscript by Nzinga Mack, PhD (Dr. K. Soliman 2021) appeared on Cancer Genomics & Proteomics cover. She is now in post-graduate training.

- Dr. Mandip Sachdeva Corresponding author. Best Paper featured on the cover page of the journal “Anticancer and chemosensitization effects of cannabidiol in 2D and 3D cultures of TNBC: involvement of GADD45α, integrin-α5, -β5, -β1, and autophagy” Journal Drug Development and Translational Research, November 2022

2000- 2018 Dean and Professor of Pharmacology, University of Toledo, Toledo, Ohio.

As Dean, the job entailed duties of a chief academic and administrative officer of the legacy college. The university is one of the twenty-seven public universities that offer degree programs in all seven professional fields: business, education, engineering, law, medicine, nursing, and pharmacy. The university is a public metropolitan doctoral university with high research activity and an enrollment of 23,000 learners.

The nationally ranked college resides on its Main and academic Health Science Campuses in a pair of facilities named by the Wolfe family in 1998 and 2010. On July 1, 2006, the Medical University of Ohio and The University of Toledo became one school, educating more than 25,000 students. With a combined 7,000 employees and a budget of $650 million, it is the state's third-largest university.

A $25 million university construction project created a state-of-the-art teaching and learning facility for the college located on the Health Science Campus, supplemented by renovated space in an adjoining building and construction of a 500-seat auditorium and classroom building. The building was dedicated on September 3, 2010. Executive Associate Dean Wayne Hoss led and managed the construction for the college through move-in. Total net assignable space for the college grew by 50% to 70,000, including 14,000 square feet retained in Wolfe Hall located on the Main Campus. Wolfe Hall is the primary pharmacy teaching space for pre-pharmacy students, PhD and BSPS pharmacy administration majors supported by Student Affairs personnel and Medicinal and Biological Chemistry staff and faculty.

Pharmacy programs have grown, including the nation's only bachelor's in cosmetic science and design, the PhD in experimental therapeutics, the BS/MS dual-degree in medicinal chemistry or pharmacology/toxicology; and the PharmD degree with dual-degree options for master's degrees in health outcomes and socioeconomic sciences and the MBA. The 2017 addition is the BSPS/MS in law with regulatory compliance major.

Pipeline programs with Toledo Early College High School, in addition to the Walgreens Pharmacy Practice Camp and the Shimadzu Pharmaceutical Science Camp (also supported by Amway), attract diverse learners. In 2017, ten percent of P1 PharmD learners were pharmacy campers. About half of the 2017 Shimadzu/Amway inaugural campers have applied to The University of Toledo.

Collaboration with the UT Medical Center Department of Pharmaceutical Services comprises residency programs for pharmacists in managed care, pharmacy practice, and critical care,

funded by the college. Community pharmacy training is funded by Kroger and the Toledo Family Pharmacy fellowship program. A CVS/CareMark community pharmacy residency was implemented in July 2017.

Pharmacy faculty members, physicians, PAs, and nurse practitioners practice in the UT Medical Center and ProMedica Toledo Hospital. While caring for patients, they also teach learners and guide pharmacy residents. Learners telephone discharged patients to record their questions about medications.

The College budget has grown to $9.8 million as of July 2017, with contracts and grants of $1 million and an endowment of $1,005,208. Annual donations have repeatedly exceeded $1 million.

The college programs are managed and delivered by a collegial group of nineteen (19) staff and forty-eight (48) faculty. Staff is a key component of the college. This perspective is reflected in their participation in monthly college meetings and college events. The college's student, faculty, and staff populations have become more ethnically and culturally diverse.

Three academic departments compose the college: Medicinal and Biological Chemistry; Pharmacy Practice; and Pharmacology and Experimental Therapeutics. The dean's cabinet comprises men and women holding titles in experiential learning, college communicator and scientific editor, director of development, senior business manager, and associate dean titles. The latter group includes the executive administrative dean. The Pharmacy Advisory Council is composed of the student council president, the curriculum chairs, admissions and academic performance committees, associate deans, and department chairs.

The Shimadzu Laboratory for Pharmaceutical Research Excellence, established in 2016 by Dr. Amanda Bryant-Friedrich, is a state-of-the-art research laboratory created through the philanthropy of Shimadzu Scientific Instruments. Shimadzu is a global leader in analytical technologies, with instruments made in the USA. Among the laboratory's instrumentation is a liquid chromatograph-mass spectrometer that can analyze biological and environmental samples quickly and with great accuracy, facilitating research on drug discovery, disease biomarkers, metabolism, and oxidative damage to DNA.

The above details denote a thriving and evolving college that continues to excel in achieving its mission of educating students to become pharmacists and pharmaceutical scientists while advancing pharmaceutical knowledge.

May 2000	Trustee, Council of Ohio Colleges of Pharmacy Chair, July 2006-July 2008, July 2016- July 2018
1995	Received a joint appointment as Professor of Cell and Molecular Pharmacology & Experimental Therapeutics, College of Medicine, Medical University of South Carolina

1995 Dean's representative to President's Council, Medical University of South Carolina

1995 As Yearly Employee Support (YES) Campaign Chair, reported to the University that the Medical University of South Carolina and University Medical Associates employees had exceeded the $175,000 goal by giving a total of $202,000.

1994-2000 Dean and Professor, College of Pharmacy, Medical University of South Carolina, Charleston, South Carolina.

Serves as the chief academic and administrative officer for the College of Pharmacy, one of six colleges in the Medical Center. Acts as the fiscal officer to manage the state appropriated budget of $2.8 million, generated $262,000, contracts, and grants in the amount of $2.7 million. The College is composed of the Department of Pharmacy Practice and the Department of Pharmaceutical Sciences. Through the Pharmacy Practice Department, the College provides pharmaceutical care, with the assistance of both clinical specialists and pharmacists, for the Medical Center's 600 beds in the University Hospital, Children's Hospital, the Institute of Psychiatry, and the patients of the Family Medicine Clinic through the pharmacy owned and operated by the College. The College is manned by 44 faculty members, 18 staff members, and 17 staff members assigned to the Pharmaceutical Development Center (PDC). The PDC is a full-service pharmaceutical research and clinical production facility for all dosage forms and a research training facility for PhD's in industrial pharmacy. The PDC operates in compliance with the Current Good Manufacturing Practices and is a licensed facility for handling controlled substances. The student population of 1998-99 is composed of 50 B.S., 89 entry-level PharmD, 51-post baccalaureate/transitional PharmD, 15 graduate students, and 25 residents. The graduate program is comprised of tracks in medicinal chemistry, pharmaceutics, pharmacokinetics, and industrial pharmaceutics.

A key activity is to represent the College to both internal and external publics. Both written and oral communications involve faculty, staff, students, alumni, elected officials, and potential donors.

1994 Appointed to the graduate faculty, Medical University of South Carolina.

1987-1993 Dean, College of Pharmacy and Pharmaceutical Sciences, Florida A&M University

Served as the chief academic and administrative officer responsible for the educational effectiveness and management of the $3.4 million states and $5 million federal (includes cooperative agreement UF0/ATU 398948 as explained below) budgets. The College is staffed by 38 faculty, 37 staff, and seven research associates or postdoctoral students. This includes the Miami, Florida-based Pharmacy Practice Division composed of seven faculty members, two staff members, and one clinical fellow. The student population of 1993-94 is composed of 592 professionals (P1-P6) and 44 graduate students. The professional curriculum is composed

of the BS and Doctor of Pharmacy degree tracks. The graduate program tracks are a Ph.D. degree in pharmacology/toxicology, medicinal chemistry environmental toxicology, and an M.S. degree in pharmaceutics.

A key activity is to communicate with both internal and external publics regarding the affairs and progress of the College. Both written and oral communications involve faculty, staff, students, alumni as well as elected officials. Testimony has been given before committees' or/members of the Florida House and Senate, and both the US Senate and House on funding issues impacting the College.

1987-1993 Member, Dean's Committee, Veterans Administration Medical Center, Miami, Florida, which functions to discuss and resolve issues facing the resident health science programs.

1986-1987 Chairman, Florida A&M University Animal Care and Use Committee, which functioned to ensure compliance with the applicable regulations and direct the review of research protocols involving live vertebrate animals.

1985-1986 Director, Minority Biomedical Research Support Program Symposia, 1985 (Miami, FL), and 1986 (New Orleans, Louisiana).

The Symposia involved approximately 1,800 registrants, and the presentation of 553 abstracts each, and papers by invited speakers. The 1986 Symposium involved 36 invited speakers, including a Noble Prize Laureate. The scientific community regarded these Symposia as a stunning success.

An Advisory Panel composed of research scientists, undergraduate and graduate students, and NIH officials provided input for the Symposia. A management firm was contracted to provide logistical support.

1985-1993 Program Director, Florida A&M University Pharmaceutical Research Center Grant, NIH/NCRR, Research Centers in Minority Institutions.

This five-year (1985-1990), (1990-95) grant of $5.3 and $4.4 million, respectively, for improving the research infrastructure of the College of Pharmacy. Directly supervised the research enhancement, administrative, and shared instrumentation activities. The other activities (1985-95) are Library; Research Fellowships; Clinical Pharmacology Research Unit; Animal Facility; and Interdisciplinary Research Collaboration or Drug Development. Responsible for the day-to-day operation of the grant, reporting directly to the Principal Investigator, President of the Florida A&M University.

1984-1985 Co-Principal Investigator and Program Director, NASA, Space Life Sciences Training Program (SLSTP), Florida A&M University.

Responsible for: writing the initial contract/proposal (which served as the basic plan for subsequent years); development and distribution of promotional literature; trainee selection; faculty assistants (i.e., counselor selection); writing of abstracts on each trainee; trainee and faculty assistant travel; program evaluation; and trainee tracking.

1981-1987 Assistant Dean for Research, Florida A&M University Developed and implemented a proposal review (i.e., quality control) procedure which markedly improved competitiveness and increased funding. This procedure, reported in Early and Walker (1986), was a key preparatory step for implementing the PhD degree program in the pharmaceutical sciences.

Initiated, in February 1981, the Student Research Forum that annually involved students from across campus and Florida A&M University High School. As a result of their participation, students became more confident and competent in making presentations at scientific meetings.

1980-1987 Program Director, Minority Biomedical Research Support (MBRS) Program, NIH/National Institute of General Medical Sciences

The MBRS grant is a multi-year program project grant involving the College of Pharmacy and Pharmaceutical Science and the College of Arts and Sciences' Chemistry Department. The subprojects involved diverse biomedical research, from isolated cells to the whole animal, from modifying existing drug molecules to synthesizing new drugs to treat cancer and arthritis. The MBRS Program grew, since 1980 from 6 subprojects and a direct cost budget of $214,245, to 12 subprojects and an annual budget of more than $535,000. This represents a 100% increase in the number of subprojects and a 250% increase in the level of funding. 12 graduate and 23 undergraduate students were supported in the 1984-88 awards, of approximately $2.1 million indirect costs. The program received $3.6 million (1980-88).

1978-1988 Assistant Professor (1978-81), Associate (1981-88) and Professor (1988), Pharmacology/Toxicology, Florida A&M University.

Undergraduate courses taught: Pathology, Pharmacology, and Clinical Toxicology.

Pharmacy Practice courses taught: Clinical Pharmacology and Laboratory Medicine.

Graduate courses taught: Advanced Toxicology and Pharmacological Techniques.

1979 Authored a petition to establish the Gamma Zeta Chapter of Rho Chi, the honor society of pharmacy, on June 14, 1980.

.

1974-1977 NIEHS - Environmental Toxicology Grant Trainee, Purdue University.

MAJOR DECANAL MILESTONES WERE ACCOMPLISHED WITH THE SUPPORT OF THE CENTRAL ADMINISTRATION, STUDENTS, FACULTY, STAFF, AND ALUMNI.

Rankings

Research

The Florida A&M University College of Pharmacy and Pharmaceutical Sciences ranked as #11 among 74 pharmacy schools (April 1991) in the amount of National Institutes of Health funding, at $1.7 million. Total funding is $3.7 million. The ranking in 1989 was #16.

US News & World Report

MUSC College of Pharmacy made US News & World Report's rankings of "America's Best Colleges 2001," ranking at No. 22. This was the first mention of MUSC in this rating of academic programs. Deans, faculty, and administrators of accredited graduate programs rated the school in 1997 as distinguished (5), strong (4), good (3), adequate (2), or marginal (1). MUSC was rated at 3.2.

In 2012 the *U.S. News and World Report* updated its rankings of pharmacy schools. Always highly regarded, the University of Toledo College of Pharmacy and Pharmaceutical Sciences was first ranked by this publication in 2012 because of concerted efforts by the college to expand external communications and spread the word about our programs and people.

The 2016 rankings show an improvement for the college, from number 62 among over 80 ranked colleges to number 60 of over 100 ranked schools, indicating the persistently high regard for the program, even in a time of fiscal austerity.

A National Study Conducted by Pharmacy Faculty

A 2011 study conducted by faculty members at Southwest Oklahoma State University's College of Pharmacy, presented at the annual meeting of the American Association of Colleges of Pharmacy, ranked The University of Toledo College of Pharmacy and Pharmacy and Pharmaceutical Sciences eighth in the U.S. and first in Ohio for teaching and value. Dennis Thompson and Mark Gales, *Rankings of Colleges of Pharmacy based on Perception*, Southwestern Oklahoma State University College of Pharmacy.

Florida A&M University College of Pharmacy

Cooperative Agreement for Substance-Specific Research

Selected by the Association of Minority Health Professions Schools (AMHPS) to serve as principal investigator (faculty member Dr. Magdi R.I. Soliman serves as program director) for the $3.7 million per year cooperative agreement for Substance Specific Research (UF0/ATU 398948). Each member school of AMHPS (Charles Drew Medical School, Florida A&M University College of Pharmacy and Pharmaceutical Sciences, Meharry Medical and Dental Schools, Howard University Dental, Medical and Pharmacy Schools, Texas Southern University College of Pharmacy and Health Sciences, Tuskegee School of Veterinary Medicine, and Xavier College of Pharmacy) competed for funds to research priority substances. This research is conducted under a five-year Cooperative Agreement between the Agency for Toxic Substances and Disease Registry (ATSDR) and AMHPS.

African American Pharmacists, PhDs

Graduation of 96% (221) of the African Americans who earned a pharmacy degree (B.S. or PharmD) in Florida (1984-1990).

Graduation of 11% (132) and 23% (51) of America's B.S. and Doctor of Pharmacy African American students (1984-89).

Five African American students graduated with a PhD degree, i.e., pharmaceutical sciences, a historical first in pharmaceutical education. As of October 1993, 13 PhD degrees were conferred, 12 to African Americans. (April 1991).

Research Funding/Productivity

Increase in the federal funding from $3 million to $5 million (included cooperative agreement UFO/ATU398948), 1993.

Increased NIH funding from $1.7 million to $2.8 million (1993).

Increase refereed article publication rate from 19/year, 1983-87 to 36 in 1989, an 89% increase.

Successfully competed for contracts and grants totaling $35.7 million, including the cooperative agreement for Substance Specific research (1979-93) as a bench researcher, principal investigator, co-principal investigator, and/or program director.

Program Development

Non-Traditional Doctor of Pharmacy Program

Received a $75,000 planning grant followed by $850,000 in state appropriations to establish the External Doctor of Pharmacy degree program in Miami, Florida (July 1989).

Graduation of the first three candidates of the Miami-based external (non-traditional) Doctor of Pharmacy (PharmD) Program (May 1993).

Academic Support

Center of Excellence

Principal investigator, the Center of Excellence grant of $858,793, 1992-95 (Grant No. 1D34MB0401001). This award was revised in August 1993 to $1.5 million, 1993-1996. Dr. R. Renee Reams-Brown, as Program Director, managed the day-to-day activities. The grant's focus was to enhance the retention of students in years P1 and P2; impact student life; provide added library resources; enhance critical thinking skills. And equip ($78,000) the prescription analysis laboratory with state-of-the-art computers and peripherals. A counselor, student affairs coordinator, and facilitators (i.e., tutors) for P1 and P2 basic science courses were hired as part of the effort to enhance academic performance and increase retention.

Rx Program Excel

Served as an activity leader, Title III Activity: R_x Program Excel, a five-year, $298,500 grant awarded to provide a counselor and facilitators for P3-P6. Carlton Bailey, RPh, manages the day-to-day activities.

Medical University of South Carolina

Philanthropy

Alumni giving have increased over the past five years by as much as nine percentage points. This performance is compared to an average of a 20% givng rate for all public institutions. The actual figures are below:

- 1993 24%
- 1994 28%
- 1995 30% (514/1,698)
- 1996 30% (526/1,768)
- 1997 33% (611/1,830)
- 1998 32% (578/1,798)
- 1999 32% (578/1,789)

Established the $50,000 Alumni Scholarship Endowment Fund with donations from the indicated sources. The fund will generate five named scholarships. 1995 alumni donations: T. Ed Childress, '68 - $10,000 and John O'Brien, '68 - $10,000. Apothecon/Bristol-Myers Squibb (NACDS), 1997 - $15,000 and College of Pharmacy Annual Fund - $15,000 (June 1998).

Diversity

Enrolled the second African American resident, Angela Robinson, Pharm.D., in the history of the college in the Family Medicine program under the leadership of Dr. Arnold Karig (July 1995). Dr. Welton O'Neal, Jr. 1979-80, Internship/Residency in General Hospital Pharmacy was the first.

The consistent and focused efforts of Dr. Arnold Karig and Mr. Peter Edwards yielded the recruitment of 10 African American students among the entry-level PharmD students matriculating in the fall of 1998 (55 total) and 1999 (58 total). At 18%, this number represents the largest such enrollment since 1881. The leadership of Dr. Jean Nappi resulted in the recruitment of five African American residents among an entering class of 25. At 20%, this

number represents the largest such enrollment since the 1963 initiation of the program. Moreover, due to its size, the residency program is probably the most ethnically diverse in all American pharmacy (May 1998).

As a result of the efforts of Dr. Jaymin Shah and Dr. Tom Dix, recruited three African American students among an entering class of five graduate students (May 1998). At 60%, this number represents the largest such enrollment ever in the pharmaceutical sciences.

Program Development

Disease Management Course, Partners in Care

Offered the inaugural course (August 1996) in Disease Management, diabetes mellitus with an enrollment of forty-one pharmacists, including twenty-five community pharmacists. The University of South Carolina College of Pharmacy, South Carolina Pharmacy Association, South Carolina Society of Health-System Pharmacists, and the Diabetes Initiative of South Carolina are partners in this venture.

Initiated Partners in Care, a two-year outcomes pilot project (June 1998) with the SC State Budget and Control Board under the leadership of Drs. Wayne Weart, Deborah Carson, and James Sterrett. The purpose is to determine whether specially trained community pharmacists in collaboration with primary care physicians can impact the adherence to the American Diabetes Association Clinical Practice recommendations, improve patient quality of life, and positively affect surrogate markers of diabetes control and predictors of long-term complications.

Pharmacists who will participate are the 58 graduates of the MUSC diabetes program and preceptors. Pharmacists are reimbursed (est. $108, $32 follow-up).

Peer Evaluation/Accreditation

Accreditation Council for Pharmacy Education (ACPE)

ACPE recognized the quality of the program and the richness of the training site while continuing full accreditation.

- Self-study chair, faculty, and other college constituents for a comprehensive document.
- College for an open review of self-study by students, Board of Advisors, and consultants.
- Mission statement, strategic plan, 1995-2000 and for implementing steps affected to date.
- Identifying outcomes assessments as a priority, appointing as a responsibility of the Curriculum & Assessment Committee.
- Entry-level PharmD curriculum that takes into account concepts and principles of Standards 2000, including pharmaceutical care.
- Effectively attending to a range of student needs.
- Goals and success in minority student enrollment.

- University for one-time college budget enhancement.

Laudatory Comments

- Students are a particular strength.
- Students give the Director of Student Affairs high marks for availability, accessibility, and serving as their primary personal and academic advisor.

ASHP

Received accreditation of ten residency tracks (Adult Internal Medicine, Critical Care, Drug Information, Nuclear Pharmacy, Pediatrics, Ambulatory Care, Psychopharmacy, Family Medicine, Pharmacotherapy and Pharmacy Practice) for the full (six-year) cycle. The MUSC program is one of the largest and most diverse.

Retention Rate

The college has attained an admirable retention rate among B.S. graduates through the support and involvement of the associate deans (J. Cormier, A. Karig), scholastic standing committee, Director of Student Affairs, and administrative assistants.

- Graduated with Class
  - 1992/95 63 (87%)
  - 1993/96 61 (84%)
  - 1994/97 59 (82%)
  - 1995/98 39 (90%)
  - 1996/99 57 (93%)

Entrepreneurship/Physical Facilities

June 1998 Under the leadership of Dr. James Warren, the Pharmaceutical Development Center generated contracts of $3 million or a $500,000 increase in signed contracts over the last fiscal year. The year ended with $2.8 million in billings or a $1.0 million increase over last year.

Mar 1998 Groundbreaking on the 48,000 square foot $6.3 million facility to house the Pharmaceutical Development Center. This was achieved through the support of the university, the Health Sciences Foundation, and the University Medical Associates (physician's practice plan).

Apr 1998 With the strong support of President James Edwards, Vice President, and Provost Raymond Greenberg, Associate Provost for Research Rosalie Crouch and Vice President for Finance and Administration, Robert Gallager received Board of Trustees approval of a $3.1 million renovation of the third-floor research laboratories. Dr. Ken Patrick guided the architects in designing the new facilities that will yield 17 laboratories in the 60-year-old quadrangle building.

University of Toledo

Toledo Exemplars of Quality
Several achievements of recent years are the first in the 114-year history (1904 -) of the legacy College of the University of Toledo.

Cosmetic Science Formulation Design graduate
https://www.youtube.com/watch?v=sVabIn_H3lE

- Increased annual giving from $378,934 (2012) to $534,100 (2014) for the first time in the 110-year history of the College of Pharmacy and Pharmaceutical Sciences.
- Pharmaceutical Care Outcomes Research Laboratory – first of its kind in America.
- August 2015 – graduate program headcount grew from a steady state of 52 to 77.
- August 2010 occupancy of the Frederic and Mary Wolfe Center, the second facility named by a single-family. The College is the first at UT to be gifted in this way and most likely the first in academic pharmacy among the 130 accredited schools.
- Agreement between a college and the Professional Compounding Centers of America to ensure a pair of annual introductory courses, access to specialty compounding courses, and the international seminar. Rotation opportunities were established for baccalaureate and PharmD learners.
- BS in Pharmaceutical Sciences Scholar enrolled in 2014.
- Three graduates in cosmetic science and formulation design, 2014.
- PharmD/PhD, medicinal chemistry graduate, 2014.
- The Sigma Phi Sigma Society Academic Honor Society for the Pharmaceutical Sciences was a decanal goal, was established in March 2013 through the efforts of Dr. Kenneth Alexander. It is the first organization to recognize academic achievement among pharmaceutical science learners and faculty. The Society encourages and recognizes excellence in intellectual achievement and advocates critical inquiry in all aspects of the pharmaceutical sciences.
- Three BS/MS medicinal chemistry graduates in America, 2015.
- PharmD/MS Health Outcomes and Socioeconomic Science, 2015.
- Shimadzu Laboratory (Triple Quad, HPLC with RID, DSC, Nanodrop, Microscope with Camera [Mager Scientific) for Pharmaceutical Research Excellence in a pharmacy school, 2015. Valued at $349,529.
- African American PharmD faculty member in the history of the College. He is a community pharmacist with residency training, 2016.
- Toledo Family (Independent) Pharmacy Fellowship was initiated in 2016.
- Student National Pharmaceutical Association chapter hosted the 2016 regional meeting in Cleveland, Ohio, with a record 367 registrants. The meeting also boasted a number of firsts.
    - First of its kind community projects - donated $337 to the sites visited ($1 donation/registration based on preregistration numbers)
    - Bridging the Gap: A celebration of SNPhA's diversity themed Rock Your Land

  - High school event
  - Most events at any regional meetings in one day (14 events)
  - Most workshops at any regional meeting
- Fall 2016-18 Walgreens pharmacy practice campers enrolled in the first professional year PharmD program, plus one in the BS in Pharmaceutical Sciences program as a pharmacy administration major.
- Sixty-nine percent (69%) of 2016 Shimadzu (with support from Amway) pharmaceutical sciences campers are accepted as freshmen.
- Toledo Early High School Students (TECHS) Seated**.** Three students are seated in the BSPS program as freshmen: Arianna Aranda, Marwa Hassan, and Mariam Abou-Dahech.
- Postgraduate pharmacy training (i.e., residency) major gifts. A second donor-funded community pharmacy residency track is being implemented.
- Licensure. First-time takers' passage rate of 91% (range of 63-99%) with a national average of 86%.
- First PhD Graduate, Experimental Therapeutics. Yusuf Althobaiti was placed as an assistant professor, Taif University, Saudi Arabia.

Strategic Planning

Feb '01 University of Toledo Central Administration and Trustees enthusiastically received the 2001-2006 College of Pharmacy strategic plan. The plan has eleven goals.

- Assuring success in recruiting, retaining, and graduating students
- Facilitating the transition to the entry-level PharmD degree as the sole professional degree program
- Developing faculty and staff to achieve maximum performance and advancement.
- Strengthening graduate programs in the pharmaceutical sciences to better serve industry, government, and academia.
- Expanding the research enterprise to create new knowledge.
- Enhancing alumni relationships and development of initiatives
- Achieving leadership in creating diversity in the College of Pharmacy and the profession
- Marketing college and university as an institution of excellence and leadership
- Formulating a new plan for information technology to meet the needs of the college.
- Generating revenue to enhance college programs.

Program Development

March 2001 Signed an agreement with Cleveland State University College of Arts & Sciences to dually enroll area students in a pre-pharmacy (2 plus 4) program, with students applying for admission to the third year following the completion of studies. Or progress under the contingent admission option. An unexpectedly large enrollment of 25 was realized in September 2001, progressing to the enrollment

maximum of 30 in 2002 and students on the waitlist.

April 2001 Inaugural meeting of the Partnership Board, an advisory group composed of alumni, parents, independent and chain pharmacies, government officials, and pharmaceutical manufacturers. Subsequently, this body was renamed the Dean's Commission on Pharmacy Education, focusing on the PharmD and BS in Pharmaceutical Sciences majors.

July 2001 Initiated the University of Toledo/Walgreens Pharmacy Camp with 32 rising high school seniors. Of this group, 81% applied to pharmacy, and 50% (16) enrolled. Twelve (75%) enrolled received scholarships. An impact on ethnic diversity was realized, as three (19%) of enrolled students were African American or Latino. Expanded capacity to 40 students for each of two camps, funded by three sponsors, Walgreens, Discount Drug Mart, and CVS/Pharmacy.

Mar 2002 Received $220,000 from Wyeth to recruit ethnic minority students for summer internships and cooperative education experiences. This funding also supported college efforts to develop a cooperative education component for the BS in pharmaceutical sciences students.

2002 Strengthened the BS in Pharmaceutical Sciences Program, which was initiated in 1997 by appointing the Program Director (2002), Practicum Director (2002), and Coordinator, Practicum Experiences (2005). Third-year enrollment increased from about 34 to 60 in 2004. Implemented a required practicum program to strengthen the employability and tendency of students to pursue graduate, physician assistant, and medical degrees.

2007 Signed exchange agreement with the Faculty of Pharmacy, University of Szeged creating an exchange program that attracts Hungarian students to UT, and BSPS and PharmD students to Szeged and Budapest, Hungary, for experiential learning.

2011 Established the Pharmaceutical Sciences board to advise the college on the baccalaureate, masters, and PhD programs.

2016 Dr. Hussein El-Khatib, owner of The Toledo Family Pharmacy, a fast-growing pharmacy, is an alumnus that funds ($50,000 ($45,000 in salary and ~$5000 for travel to conferences, etc.) a fellowship in support of Dr. Rebekah L. Panak (alumnus of the University of Oklahoma) offered through the Health Outcomes and Socioeconomic Sciences (HOSS) program. This community-based Health Outcomes Fellowship is the first of its type in academic pharmacy.

In 2017 he pledged an additional $900,000 to expand to a pair of fellows and for a ten period.

Clinical Program Development

2009 Implemented the "Three Thinners" presentation (warfarin, clopidogrel, and aspirin) to UT Medical Center cardiac rehabilitation patients.

Enrollment of Highly Competitive Students

April 2001 Offered early admission to direct from high school students in the contingent admit program, which required a 29 ACT/1270 SAT, 3.75 GPA, etc. Twenty-three students were admitted in the inaugural year, and 46 in year two.

Enrollment Growth

Aug 2001 Enrollment records were set as the college became the fastest-growing unit on campus with 151 more students than 2000-2001, a 17.7% increase (9/06/01) compared to a 4.1% increase for the university. Total college enrollment grew from 800 (2000) to 1,400 (2005), and 1,502 (2007).

Aug 2001 Infused new resources into the college totaling $800,442.

Retention

Unusual among pharmacy programs, student services, and faculty efforts have produced enviable retention statistics.

First Time, Full-Time Baccalaureate Degree Seeking Students 08/04/2017 vs. 07/29/2016

Fall 2017			Fall 2016		
Cohort	Retention	Rate	**Cohort**	Retention	Rate
192	154	80.2%	**245**	196	80.0%

Source: Office of Institutional Research

Entrepreneurship

Sept 2001 Signed a contract with the Neighborhood Health Association to manage the pharmacy practice and hire pharmacy and technician staffing for the Cordelia Martin facility.

ACPE

Eight commendations and laudatory statements were recorded in the evaluation team report (January 1999).

The College was among the first group of institutions to be granted an eight-year accreditation cycle. In so doing, six commendations were recorded.
The College is to be commended for the following:

- Dedication and commitment of the faculty for their exceptional work ethic and support of the program. The faculty goes well beyond the call of duty;
- New Wolfe Center building. This building and the move to the Health Sciences Center has improved the socialization of pharmacy students with other health professional students;
- The accomplishment of several major events over the past two years, most notably the merger of the two universities, the move to the Health Sciences Campus, and implementation of a new curriculum; and the
- Complete reorganization of the Office of Student Affairs (OSA) upon the move to the Health Sciences Campus to assure that students have the same high-quality services on both campuses. The OSA is to be commended on these adjustments and the efficiency and effectiveness in responding to student needs. The OSA developed their own secure electronic student record system that can be accessed from either campus.

The Dean is commended for:

- Improving communication within the College and making all leadership decisions transparent as well as maintaining an open-door policy which was mentioned positively by both students and faculty; and
- Accomplishing several major milestone goals for the College despite major financial issues.

Student Centeredness

An Independent Collegian story, January 22, 2009, Issue 32, pages A1 & A3 by Joe Griffith reported on the college's involvement of students in addressing budget issues. In the same issue, page A6, the Cheers, and Jeers opinion cited Pharmacy Practice Chair Steven Martin and Johnnie Early for the enfranchisement of students with respect to the budget streamlining the process.

LEADERSHIP MILESTONES ACCOMPLISHED WITH THE AID OF MEMBERS, OFFICERS, MUSC FACULTY AND STAFF, BURROUGHS ASSETS MANAGEMENT, THE EXECUTIVE MANAGEMENT SERVICE AND SUPPORTERS

National Pharmaceutical Association (NPhA)

Feb 1998 Secured a grant in the amount of $11,400 from Eli Lilly and Company to underwrite the publication of the newsletter, Inside NPhA.

1997-1998 Hired a copywriter to enhance the publication, Inside NPhA, increased circulation to quarterly with two issues reaching 5,000 pharmacists.

1997-1998 Enhanced the public image and presence through exhibiting at conventions, news releases, and member participation in the national pharmacy forums.

1997-1998 Initiated strategic alliances with the Association of Black Health-Systems Pharmacists, American Pharmacists Association (APhA), Academy of Managed Care Pharmacy, and the International Society on Hypertension in Blacks (ISHIB).

1997-1998 Introduced certificate training courses in the annual convention: immunizations by pharmacists in collaboration with APhA; smoking cessation; and treatment of asthma.

1997-1998 Introduced the significant continuing pharmaceutical education topic, multi-cultural pharmaceutical care, delivered by Dr. Gloria Nichols, University of Georgia.

1997-1998 Initiated the offering of continuing pharmaceutical education during the ISHIB convention, Charleston, SC, July 1998.

1997-1999 Increased the number of pharmacy schools participating in the Recruitment Fair from 10(1997) to 16(1998) and 22 (1999). This event allows local students to confer, free of charge, with several pharmacy schools. Similarly, a special session is held for the 140 Student National Pharmaceutical Association delegates to expose them to residency and graduate school opportunities.

1997- Established the pre-pharmacy recruitment fair for middle and high school students. Partnered with the Urban League (1999) to maximize student participation.

1997-1998 Enhanced emphasis on the awarding of scholarships supported by creative fundraising methods.

1997-1998 Initiated the Ramona McCarthy-Hawkins scholarship for officers of the Student National Pharmaceutical Association.

July 1998 Awarded the Ramona McCarthy-Hawkins scholarships for $1,700 to the elected officers of the Student National Pharmaceutical Association.

Aug 1998 Secured the Wal-Mart Scholarship program that provides two SNPhA students with two years of support at the level of $2,000 annually for the final two years of study. One summer is to be used to gain experience in a pharmacy and another in corporate headquarters.

July 1998 Presided over a successful convention with a near-record registration of 447.

July 1998 Enhanced the scholarship account by $600 through member participation in an art giveaway managed by Jeanette Carey, RPh. This effort is one of several to create a significant scholarship endowment.

Feb 1997 Established the NPhA Website through the courtesy of Glaxo/Wellcome, Inc. and the work of Burroughs Assets Management Company.

Mar 1997 The first exhibit by NPhA at a national convention, APhA.

May 1997 The initial offering of dental and disability plans and term life insurance to members.

Aug 1997 Increased membership from 275 in August 1996 by more than two-fold to 607.

Aug 1996 Created the first medication review program for persons living in medically underserved areas during the 49th annual convention. Dr. Deborah Harper-Brown, University of Illinois-Chicago, organized the pharmacists and selected the site.

Aug 1996 Contracted with an executive management service, Burroughs Assets Management Company, to meet the administrative needs of the association.

Dec 1996 Empaneled the first Advisory Committee composed of twenty-one industrial representatives.

FEDERAL GOVERNMENT AND OTHER PUBLIC ADVISORY COMMITTEES/BOARD AFFILIATIONS/EDITORIAL BOARDS

2013-2018 Member, Research Centers in Minority Institutions, External Advisory Committee, Florida A&M University, College of Pharmacy and Pharmaceutical Sciences.

2010- 2016 Member, Board of Directors, Toledo Hospital, ProMedica Health System

2007 - Member, Toledo Sister Cities Board of Directors, mayoral appointment, two terms.

Membership Committee; Chair, hospitality committee; Volunteer Photographer.

2001-2009 Community co-chair, St. Vincent Mercy Medical Center Foundation “A Night to Remember” which raised $108,866 for a program to fund prescription drugs for indigent and working poor patients.

2005 Member, University of Toledo Executive Council as a representative for the Deans during Academic Year 2005-2006.

2002 Harbor Behavioral Healthcare Board of Directors
- Marketing Committee, 2002-2005 (first term)
- Operations Committee, 2005-2008 (second term)

2001 Special emphasis panel member, National Institute of Arthritis and Musculoskeletal and Skin Diseases, NIH.

2001 Special emphasis panel, Chairperson, National Institute of Environmental Health Sciences, Advanced Research Cooperation in Environmental Health Sciences, NIH.

2001 Special Emphasis Panes, RFA RR-01-007, National Center on Minority Health and Health Disparities Endowment Program for increasing research and training capacity in Section 736 Health Professions Schools.

2001-04 Mercy Medical Partners Foundation Board
- Member, gifts and grants committee, 2001-2003
- Chair, gifts, and grants committee, which evaluates funding proposals and awards up to about $500,000, 2003-2009.

Mar 1999 Ad hoc reviewer, on-site evaluation team for reaffirmation, Southern Association of Colleges, and Schools.

Apr 1998 Appointed to the South Carolina National Association for the Advancement of Colored People Health Affairs Committee.

1998 Member, VA Academic Partnership Council.

1996-2000 Review Committee, Research Centers in Minority Institutions, National Center for Research Resources, National Institutes of Health.

1999-2000 Honor Medal Screening Committee. The Remington Honor Medal, established in 1918, is considered the profession's most prestigious award. The role of the Screening Committee is to select from the nominations received two candidates from which the past presidents of APhA will select the recipient.

1993 Member, American Association of Colleges of Pharmacy Distinguished Pharmacy Educator Committee: Evaluated the dossiers of seven individuals; identified 3 of the highest-ranking individuals, who then formed the pool from which the Board of Directors made the final selection.

1992-1994 Member, Florida Education Fund, Inc. (Name changed from Florida Endowment Fund, 1/93) Board of Directors. Service on standing committees: Policy and Program and Development. A not-for-profit corporation, which funds from proceeds of the McKnight $14 million endowment. This endowment supports African Americans studying for a PhD degree. To date (May 1993), 42 doctoral fellows have received doctoral degrees.

1989-1993 Minority Access to Research Careers (MARC) Review Committee, DHHS/PHS/NIH/NIGMS.

1983 Serves to review proposals and participates in site visits for both MBRS and RCMI grants, as a member of the ad hoc team for the National Institute of General Medical Sciences, National Center for Research Resources (1991-), respectively, National Institutes of Health.

1989 - Ad hoc reviewer, on-site evaluation team for accreditation, the Accreditation Council on Pharmacy Education.

HONORS

2022 A plaque, gifts, and a splendid reception in recognition of 35 years as a CEO Dean across four appointments at an HBCU and a pair of academic health science centers.

2021 Selected as an honorary member of the American Association of Health Systems Pharmacists by a unanimous affirmative vote of the Board of Directors.

This award recognizes individuals who have made outstanding contributions to pharmacy practice. The announcement cited the nearly four decades of pharmacy education and his dedication to expanding opportunities for youth from various racial and ethnic backgrounds to explore careers in pharmacy practice and the pharmaceutical sciences. A charter member of the Student National Pharmaceutical Association (SNPhA), Dr. Early has worked tirelessly to recruit diverse students and create more diverse workforces at the several universities he has worked for.

2020 Inducted into the FAMU, Institute of Public Health Delta Omega (ΔΩ) chapter of the honorary society for public health as a community member. The society's mission is to promote excellence in contributing to public health and advancing the health of people in every aspect, both in the United States and internationally.

Election to membership in Delta Omega is intended to recognize merit and encourage further excellence in and devotion to public health work.

2019 Mercer Distinguished Alumni
The College of Pharmacy Alumni Association Board of Directors presents this

award to an alumnus who has distinguished himself by achieving recognition for academic, scientific, or leadership contributions in science, business, or public service; has demonstrated exceptional service to his community and has shown exemplary support and service to the College of Pharmacy. This award is the highest award presented by the College of Pharmacy Alumni Association.

2018 ASHP-Association of Black Health-System Pharmacists (ABHP) Joint Leadership Award. The award was presented during ABHP's 40th Anniversary Gala and Leadership Award Ceremony at ASHP's 53rd Midyear Clinical Meeting in Anaheim. The award recognizes individuals who have demonstrated exceptional leadership to reduce racial and ethnic disparities in healthcare.

Student National Pharmaceutical Association Achievement in Diversity Award, Medical University of South Carolina.

2017 Visionary award recognizing a commitment to promoting innovation, science, diversity, and global outreach that transforms human conditions and motivates peers to follow the right path – Award given by the Raghavendra Institute of Pharmaceutical Education and Research, Anantapur, A.P. India.

Global Pharmacy Ambassador Award for outstanding commitment and dedication to advancing the pharmacy profession and contributions and exemplary service to the field of pharmacy practice and pharmaceutical sciences for the betterment of global health. Raghavendra Institute of Pharmaceutical Education and Research, Anantapur, A.P. India.

2016 Named among the inaugural class of NPhA Fellows. The NPhA Fellows Recognition Program (Fellow NPhA) was created to grant recognition and promote awareness of pharmacists who have a record of outstanding service to the profession through contributions to NPhA. Fellows have sustained, continuous membership of at least ten years and have demonstrated excellence in serving the medically underserved.

2014 Received the Legends Award, African American Legacy Project. The Project is dedicated to documenting and preserving the history of Northwest Ohio's African American community and its impact and influence beyond the state. Since 2005, the Legacy Award has been given to individuals distinguished within the community, said Robert Smith, executive director of the African American Legacy Project. "Dr. Early is a trailblazer and a good human being who takes ownership in what he does. He is a brilliant man and an inspiration to many," Smith said.

2013 Initiated as a member Sigma Phi Sigma Society Academic Honor Society in the Pharmaceutical Sciences.

Named a distinguished guest faculty by North Sichuan Medical College, Nanchong City, Sichuan, People's Republic of China.

2012 Drum Major award, Alpha Xi-chapter, Alpha Phi Alpha Fraternity, Martin Luther King scholarship breakfast.

2011 The college received the Public Institution Award from the Toledo chapter of the National Association for the Advancement of Colored People.

2010 Recognition of services as chairman of the board of trustees, the National Pharmaceutical Association Foundation– a plaque with attached gavel.

2009 Honorable mention as a finalist, Drum Major Award, Alpha Xi Lambda Chapter, Alpha Phi Alpha Fraternity, Inc. The award recognizes one person or organization Toledo resident, representing the ideas espoused by Dr. Martin Luther King, Jr.

2008 Volunteer Photographer

- NPhA convention (since 1994)
- Third Baptist Church (since 2003)
  - Photographs selected for
    - Sunday morning program booklets, 2008
    - 140th-anniversary program booklet cover – church congregation, November 2008
  - Ohio Pharmacists Association: Ohio Pharmacist
    - Photo published, Volume 57, No. 7, July 2008
  - Toledo Sister Cities, Inc., 2009 -

2008 Council of Ohio Colleges of Pharmacy. Congratulations and recognition for outstanding service as chairman, 2006-2008 – a solid oak plaque in the shape of the state of Ohio with an attached gavel.

2007 Faculty Gold Medal certificate presented by the Faculty of Pharmacy, the University of Szeged, to develop the intercontinental cooperation between the colleges to develop our profession.

2005 Lasalle Lefall, Jr. Award, Florida A&M University National Alumni Association, National Convention, July 2005, Orlando, FL.

2004 Wendell T. Hill award, granted by the Association of Black Health Systems Pharmacists for recognition as an individual who, through dedication, interest, and enthusiasm, has made a significant contribution to the practice of pharmacy. This award is the highest award of the association.

2003 Plaque presented in acknowledgment of participation on the Rite Aid Corporation

Dean Advisory Council, Recognition for professional dedication, service, and leadership demonstrated throughout the appointment to the Council.

2002 Selected as an "Old Master" by students of Purdue University in recognition of outstanding accomplishments. Over three days, informal classroom discussions and other events allow Old Masters the opportunity to provide men and women with intellectual, social, and spiritual enrichment.

2002 Initiated a Frater of the Alpha Zeta Omega Fraternity by the Miami Alumni chapter, Toronto, Canada, during the national convention.

2002 Certificate of Appreciation, US Air Force Recruiting Service in Recognition of Outstanding support of the Air Force Recruiting Service and dedication to the ideals and principles of the United States of America.

2002 Received the Chauncey I. Cooper award from the National Pharmaceutical Association (NPhA) because of sustained and positive efforts in the profession. This award is the highest award given by this pharmacy practitioner group, the oldest and largest organization representing African American pharmacists and students. In bestowing the award, it was noted that Dr. Early has 21 years of leadership service in academic pharmacy and 15 years as dean that includes a Historically Black comprehensive land grant, academic health science center, and metropolitan research universities. In these roles, he has demonstrated success in serving the surrounding communities, developing Doctor of Pharmacy (PharmD), graduate, research, and external PharmD programs, as well as remarkable success in increasing diversity in a majority setting, effective solutions for students' financial needs, and fundraising for non-profit organizations. Early was a charter member of the student organization, Student National Pharmaceutical Association, and served as vice-president and president of NPhA. His service continues with the annual organization of the exhibit program (1995 – date) and recruitment fair (1997-date). This event affords convention city youth and adults free exposure to America's leading pharmacy schools. Over 750 participants have attended this event over its initial six years. As president, he initiated the practice of members conducting medication review sessions for the elderly. He stimulated the development of new scholarships and mechanisms to generate independent and sustained funding. Moreover, he serves as the volunteer photographer (1995 – date) for the annual convention.

2001 Inducted as a member of the Omicron Delta Kappa, The National Leadership Honor Society, the University of Toledo.

2001 Honorary Member, University of Toledo College of Pharmacy Alumni Affiliate, October 26, 2001.

2000 City and state organizations, students, and MUSC leadership presented the following (April 2000).

Practitioner of the Year Award for distinguished service in his pharmaceutical career and to the Palmetto Medical, Dental and Pharmaceutical Association, a more than 100-year-old organization of African American practitioners. Presented during the annual meeting on the occasion of the L. W. Long recognition and awards banquet.

Plaque awarded by the Health and Wellness Fair Consortium, Charleston, South Carolina, inscribed as follows:

"*A creative planner who is committed to any task he undertakes."*

MUSC President and Provost and Vice President for Academic Affairs, and Deans.

- Prints by Jonathan Greene of various Charleston, South Carolina scenes.
- Resolution in Appreciation of the Dean signed by Board of Trustees Chairman and the President.

Beta Lambda Chapter, Sigma Pi Phi Boulé Fraternity

- Print of "Porches on the Battery"

College of Pharmacy Students

- Hydrophonic Peace Plant with a goldfish

College of Pharmacy

- MUSC desk lamp
- MUSC rocking chair
- Low Country print by Emerson

1999 Nominated for the Earl B. Higgins Achievement in Diversity Award.

1999 Outstanding Achievements in the Area of Education, presented on January 10, 1999, by the Charleston Alumni Chapter, Phi Beta Sigma Fraternity, Inc.

1998 Named one of four educators listed among the fifty most influential pharmacists of 1998, October issue of American Druggist.

1998 Past president's pin, National Pharmaceutical Association.

1998 Gavel presented by Administrative Assistant Ms. Patricia M. Sharpe in recognition of service as National Pharmaceutical Association president.

1998 Award in appreciation for dedicated service as president of the National Pharmaceutical Association, 1996-98. Presented by the membership of the National Pharmaceutical Association at the 51st annual convention, Charleston, S.C.

1997 Award presented by the Minority Health Professions Foundation for guidance, direction, and leadership in developing the Environmental Health and Toxicology Program. Annual funding for $3.7 million was secured through a cooperative agreement with the Agency for Toxic Substances and Disease Registry for Substance Specific Research. The Minority Health Professions is an agency of the Association of Minority Health Professions Schools.

1997 Certificate of Appreciation from the City of New Orleans for NPhA contributions to the city.

1996 Portrait of Johnnie L. Early, II presented by Erica Johnson (Hanesworth), President, MUSC Chapter, Student National Pharmaceutical Association, Chicago, IL, July 1996.

1995 Award presented by the Beta Mu Sigma Chapter of the Phi Beta Sigma Fraternity, Inc., Charleston, SC for Outstanding Achievement in Education.

1995 Initiated as an honorary Frater of the Alpha Zeta Omega Fraternity by the Miami, Florida alumni chapter.

1994 Executive Board, United Negro College Fund.

1994 Who's Who in American Education, Fourth Edition.

1993 The following were presented by the Administration, Students, Faculty, Staff, and Alumni of Florida A&M University and the Beta Lambda Sigma chapter of the Phi Beta Sigma Fraternity on December 15, 1993.

Outstanding contributions to Florida A&M University as Dean of the College of Pharmacy, presented by the Academic Dean's Council, Dr. Richard A. Hogg, Provost and Vice President for Academic Affairs.

Award in recognition of Tireless Efforts in Producing World-Class Graduate Students. We Thank You! Graduate Association of the Pharmaceutical Scientists.

Award of Commendation in honor of outstanding service, commitment, and contributions as Dean and Professor of the FAMU College of Pharmacy and Pharmaceutical Sciences. "We, the faculty and staff of the College extend to you our deepest appreciation for your leadership, counsel, and support."

The professional students presented a desk clock inscribed with the recipient's name.

The National Pharmacy Alumni Council awarded a Nigerian Bust sculpture bearing an inscription with the recipient's name and dates of service.

"Appreciation and congratulations to Brother Dr. Johnnie L. Early, II, Scientist-Educator-Humanitarian. In appreciation of fifteen years of dedicated service to Florida Agricultural and Mechanical University as Dean of the College of Pharmacy and Pharmaceutical Sciences, the Tallahassee community, and the Beta Lambda Sigma Chapter of the Phi Beta Sigma Fraternity, Inc. Congratulations and best wishes on your appointment as Dean and Professor, College of Pharmacy, the Medical University of South Carolina at Charleston. Brother Harry S. Blanton, President."

1993 Recipient of Faculty Award presented by the Florida A&M University Gospel Choir in gratitude for continued support.

1993 Inducted into the Florida Pharmacy Association #1 Club in recognition of excellence in recruiting more than ten new members.

1993 Distinguished Alumnus Award, in Recognition of Outstanding Achievements in Professional and Scientific Endeavors, Purdue University, School of Pharmacy and Pharmacal Sciences, March 26, 1993.

1993 Outstanding Alumnus Award, in Recognition of a Positive Role Model and Inspiration to Students of Color, Student National Pharmaceutical Association, Purdue University, School of Pharmacy and Pharmacal Sciences, March 27, 1993.

1992 NIH/NCRR Certificate in Recognition of Interest in Science and Participation in the 1992 Minority High School Student Research Apprentice Program.

1988-1992 Springtime Tallahassee Photography Contest, Tallahassee, FL

- First Place in the Festival Event Category for a picture entitled "Bring In The Clowns," 1992
- First Place in the Festival Event Category for a picture entitled "Tethered," 1991
- First Place in the Festival Event Category, and Best in Show for a Picture Entitled "Balloon Silhouette," 1990
- Sixth Place, 1988

1992 Certificate of Appreciation, Guest Speaker at Riley's Fifth Grade D.A.R.E. Graduation, John G. Riley Elementary School, Tallahassee, FL.

1991 Florida A&M University
- Rattler Pride Award, Outstanding Leadership Achievement, and Commitment to the University, 1991.
- Rattler Pride Award, Florida A&M University, 1988.
- 5-9 Years Meritorious Service Award Program, 1988.

1989 Certificate of Appreciation in Recognition of an Outstanding Effort to Raise Funds, The American Heart Association, Tallahassee, FL.

1987 Certificate of contribution to the 1987 Space Life Science Training Program. The Bionetics Corporation and Florida A&M University at the Kennedy Space Center.

1987 Beta Lambda Sigma Chapter, Phi Beta Sigma Fraternity, Inc., Tallahassee, FL
- Sigma Man of the Year
- Recognition, as an entrepreneur, educator, and humanitarian and Dean, Florida A&M University, College of Pharmacy

1987 Congratulations and best wishes on appointment as Dean, FAMU College of Pharmacy, Alpha Upsilon Zeta Chapter, Zeta Phi Beta Sorority, Inc.

1986 Outstanding Service, guidance, and dedication in organizing the 13th and 14th Minority Biomedical Research Support (MBRS) Symposium, MBRS Student National Organization.

1985 Award presented by NASA in Recognition of Significant Participation in The Pilot Year of the Space Life Sciences Training Program, Kennedy Space Center.

1983 Florida A&M University, College of Pharmacy and Pharmaceutical Sciences
- Outstanding Service Award, 1983
- Rho Chi Appreciation Award, 1982
- Teacher of the Year, 1979-80
- Faculty of the Year, 1979-80

1977-1978 Purdue University
- Glen L. Jenkins Award for Excellence in Research at the Departmental Level, 1978.
- Black Doctoral Fellow, 1977-78.

1973 Mercer University, Southern School of Pharmacy
- Cum Laude Graduate, 1973.
- Certificate of Recognition for Outstanding Service in Drug Abuse Education, 1973.

- Certificate of Recognition for Outstanding Services Rendered to the Student American Pharmacists Association (Academy of Students of Pharmacy, 1973.
- Inducted, Rho Chi Honor Society, Gamma Alpha Chapter, 1972.

1972 Delegate representing Mercer University, Southern School of Pharmacy during the January 1972 organizational meeting of the Student National Pharmaceutical Association, Florida A&M University.

1968-71.1 Fort Valley State University

- Who's Who Among Students in American Universities and Colleges, 1970-1971.
- Honors Convocation Honoree, 1968-71.

PROFESSIONAL ORGANIZATIONS

(Past and current)

American Association of Colleges of Pharmacy
Secretary, Council of Deans, 1996-98
Research Participation Program Advisory Committee, 1987-89
Served on the Grant Awards for Pharmacy Schools (GAPS) Peer Review Panel, 1984-85
Member, By-laws & Policy Committee, 1999-01
Member, Academic Affairs Standing Committee, 2009-10, 2017-18

American Pharmacists Association
Member, Reference Committee on Scientific Affairs, 1994
Member, Remington Honor Medical Committee, 1996, 1999-00
Member, Exhibitor Advisory Committee, 1998-00
Member, Committee on Nominations, 1997
Academy of Pharmaceutical Research & Science at large representative 1998-00

Association of Minority Health Professions Schools
Secretary/Treasurer, 1990-93

Charleston County Medical, Dental, and Pharmaceutical Association
President, 1996-98

International Society of Hypertension in Blacks (ISHIB)
Member, Scientific Committee, 1998-99
Member, Medical Education Committee, 1999-00
Member, Dinner Symposium Planning Committee, 1997-98
Member, Lifestyle/Behavioral Council, 2003-2005 & 2006-2008

Kappa Psi Pharmaceutical Fraternity, Inc.

Palmetto Medical, Dental and Pharmaceutical Association
Executive Vice President, Pharmaceutical Affairs, 1997-2000

Sigma Pi Phi Fraternity, Alpha Pi Member Boulé

South Carolina Pharmacy Association
Member, Student Activities and Convention Committees 1994
Delegate, APhA, 1994

National Council of University Research Administrators
Minority Affairs Task Force, 1999
National Pharmaceutical Association, Vice President, 1993-1995;
President-Elect 1995-96; President 1996-98
Immediate Past President 1998-00
Exhibits Chairman, 1995-present
Recruitment Fair Chairman, 1997-present
Life Member, 2002
Ohio Pharmacists Association
Ohio Society of Health-Systems Pharmacists
Research Centers in Minority Institutions Program
Director's Organization, Vice President, 1990-1993
Rho Chi, Member, Rho Chi American Foundation for Pharmaceutical
Education, Chairman, First Year Graduate Scholarship Committee, 1996-00.
Sigma Xi, Member, Distinguished Lecturer Committee
Society of Toxicology
Florida Pharmacy Schools Consortium
Florida Pharmacy Association
Will Gunn Society, Tallahassee, FL
Toledo Academy of Pharmacists
Toledo Society of Health-Systems Pharmacist
Florida Society of Health-Systems Pharmacists

MAJOR RESEARCH INTERESTS
Metal toxicity; Toxic manifestations in isolated fresh hepatocytes;
Cadmium-Induced toxicity; Selenium-Induced toxicity;
Selenium-antagonism of Cadmium-Induced toxicity;
and Research administration.

PRODUCT DEVELOPMENT
Formulated and successfully marketed, along with Diane S. Early, Jodian Medicated After Shave and Skin Conditioner for the treatment of razor bumps and other shaving irritations.

GRADUATE STUDENTS TRAINED Name/"Dissertation Title"
Abraham Weaver, MS
"Cadmium-induced Alterations in Ureogenesisis and the Ultrastructure of Hepatocytes Derived from Male Rats" (1981)
Earned a PhD in Nuclear Pharmacy, University of Oklahoma, Health Science campus. Assistant Professor, Florida A&M University, College of Pharmacy

Hamid R. Rasekh, MS
"Possible Mechanisms of Action of Selenium-Induced Hyperglycemia" (1990)

Marcus B. Iszard, PhD
"Effect of Selenium and Cadmium on Glycogen Metabolism in Male Rats" (1991)

Postdoctoral student, laboratory of Dr. Curtis Klaassen, University of Kansas, 1991-1993.
Assistant Professor, Xavier University, College of Pharmacy.

Rosonald R. Bell, PhD
"Effects of Cadmium and/or Selenium on Lung Dynamics: Biochemical and Cytological Metabolism in Male Rats" (1992)
Postdoctoral student, Upjohn Laboratories, 1992-93, Scientist, Ciba-Geigy.

Ronaldo Potmis, PhD
"HMG-CoA Reductase Regulation and Peroxisome and Proliferation" (1994 co-major professor)

Darrell Anthony Rodgers, PhD
"Mechanisms of Mercuric Chloride Neurotoxicity and Resulting Behavioral Effects" (1994, co-major professor)

Hamid R. Rasekh, PhD
"Effect of Selenium on Selected Functions of the Central Nervous System" (1994, co-major professor)

PUBLICATIONS

Early, Johnnie L., Jr.
The Minority Experience.
J.A.Ph.A. NS13, 87-88 (1973)

Early, Johnnie L. Jr., and Schnell, R. Craig
Zinc-Induced Protection Against Cadmium Alterations of Drug Action.
Res. Comm. Chem. Pathol. Pharmacol. 19, 369-372 (1978)

Early, Johnnie L., Jr. and Schnell, R. Craig
Selenium Antagonism of Cadmium-Induced Inhibition of Hepatic Drug Metabolism in the Male Rat. Toxicol. Appl. Pharmacol. 58, 57-66 (1981)

Schnell, R. Craig and Early, J. L.
Sex-Related Differences in Selenium-Induced Alterations in Drug Action in the Rat.
Res. Comm. Chem. Pathol. Pharmacol. 32, 561-564 (1981)

Schnell, R. Craig and Early, Johnnie L., Jr.
Interaction Between Selenium and Phenobarbital on Drug Response
and Hepatic Microsomal Enzyme Activity in the Male Rat.
Res. Comm. Chem. Pathol. Pharmacol. 32, 181-184 (1981)

Early, J. L. and Schnell, R. Craig
Effect of Glutathione Depletion on Selenium Lethality and Hepatic
Drug Metabolism in Male Rats.

Toxicol. Letters 11, 253-257 (1982)

Schnell, R. C. and Early, J. L.
Prolongation by Selenium of Pentobarbital Hypnosis in the Male Rat.
Experientia 39, 176-177 (1983)

Schnell, R. C., Early, J. L., Deimling, M. J. Merrick, B. A. and Davies, M. H.
Effect of Acute and Repeated Selenium Treatment on Hepatic
Mono-oxygenase Enzyme Activity in Male Rats.
Toxicol. Lett. 17, 193-200 (1983)

Mallory, Z., Nonavinakere, V., Bell, R. R., and Early, J. L.
Effect of Dietary Selenium on Bodyweight, Food Intake, Plasma
Glucose and Selenium Toxicity.
NARD Journal, October, p.65, (1988)

Kinfe K. Redda, Mia Thompson and Johnnie L. Early, II.
Acid-Neutralizing Capacities of Commonly Used Antacids.
Journal of the NPhA, 33, 4, 107-110. October-December, (1989)

Okolo, E. N., L. Norton, J. L. Early, A. Johnson-Fannin, H. Lewis, D. M. Steward, L. Fannin, C. Bailey, and S. Lamar.
Clinical Pharmacy Education as an Off-Campus Part-Time Degree Program.
Clinical Research Practices and Drug Regulation Affairs, 7(6):283-94 (1989)

Early JL and Walker, Charles A.
Increasing Research Proposal Funding Competitiveness,
Health Research Design and Methodology. E. N. Okolo, CRC Press,
Boca Raton, FL, pp. 15-24, (1990)

Bell RR, Nonavinakere V, Early JL, and Mallory Z.
Effect of Cadmium on Blood Glucose Level in The Rat.
Toxicology Letters, 54, 199-205 (1990)

Bell, RR, Soliman MRI, and Early JL.
Acute Effects of Cadmium and Selenium on Glucose Output from Rat
Liver Hepatocytes Using Various Gluconeogenic Precursors.
Toxicology, 65, 161-168, (1990)

Bell RR, Nonavinakere VK, Soliman MRI, and Early JL.
Effect of In Vitro Treatment of Rat Hepatocytes with Selenium and/or Cadmium on Cell Viability, Glucose Output, and Cellular Glutathione.
Toxicology, 69, 111-119, (1991)

Rasekh HR, Potmis R, Nonavinakere VK, Early JL, and Iszard M.

Effect of Selenium on Plasma Glucose of Rats: Role of Insulin and Glucocorticoids.
Toxicology Letters, 58, 199-207, (1991)

Early JL, Redda KK., Hicks P, Soliman M, Soliman K, Fannin LD, Smith WL, Lewis H III, Tterlikkis LP, Stino F, Fitzgerald T, Humphries FS, Walker CA, Tribble I, Hogg RA, Simmons GL, and Neyland, Leedell
Florida A&M University: Impact of Private and Federal Funding on the Development of Graduate Pharmaceutical Education and Research.
Multicultural Pharmaceutical Education. Barry Bleidt, Haworth Press, Inc., 158 pp (1992)

Early JL, Nonavinakere VK, and Weaver A.
Effect of Cadmium and/or Selenium on Liver Mitochondria
and Rough Endoplasmic Reticulum in the Rat
Toxicology Letters, 62, 73-83 (1992)

Early, JL
An Interview with Johnnie L. Early, II, RPh, PhD
Florida Pharmacy Today, 12-15, February (1992)

Potmis RA, Nonavinakere VK, Rasekh HR, and Early JL.
Effect of Selenium (Se) on Plasma ACTH, Beta-Endorphin, Corticosterone, and Glucose: Influence of Adrenal Enucleation and Metyrapone Pretreatment
Toxicology, 79, 1-9 (1993)

Nonavinakere VK, Potmis RA, Rasekh HR, Bell RR, and Early JL.
Selenium Lethality: Role of Glutathione and Metallothionein
Toxicology Letters, 66, 273-279 (1993)

Curtis SL, Nonavinakere VK, Potmis RA, Rasekh HR, Reams R, and Early JL. Subacute Exposure to Cadmium Chloride Induces HSP-72 in Rat Liver. Research Communications in Molecular Pathology and Pharmacology 94, 221-223 (1996)

Nonavinakere VK, Stamm PL, and Early JL. A Case Study of Brown Recluse Spider Bite: Role of the Community Pharmacists in Achieving a Successful Outcome.
Journal of Agromedicine 3, 37-44 (1996)

Bell RR, Soliman MRI, Nonavinakere VK, Hammerbeck DM, and Early JL. Selenium and Cadmium Induced Pulmonary Functional Impairment and Cytotoxicity.
Toxicology Letters 90, 107-114 (1997)

Bell RR, Soliman MRI, Nonavinakere VK, Hammerbeck DM, Early JL II. Cadmium and/or Selenium effects on guinea pig lung PGE2, TKB2 and LTC4
Research Communications in Molecular Pathology and Pharmacology (92), 221 (1997)

Bell RR, Soliman MRI, Nonavinakere VK, Hammerbeck DM, and Early JL. Guinea Pig Pulmonary Mechanics: Altered Sensitivity to Carbachol by Cadmium
Lung 176, 15-24 (1998)
Nonavinakere VK, Proctor AS, Bell RR, Mallory ZY, Early JL
An Acute Intratracheal Selenium Study: Immediate Effects on
Respiration in Guinea Pigs.
Toxicology Letters 104, 231-237 (1999)

Tricia M. Berry, Clinton O. Chichester, Lisa M. Lundquist, Cynthia A. Sanoski, Donald A. Woodward, Marcia M. Worley, Johnnie L. Early, II
Professional Technical Standards in Colleges and Schools of Pharmacy
American Journal of Pharmaceutical Education Volume 75, Issue 3, 2011

Marjan Boerma, Elizabeth A. Coyle, Michael A. Dietrich, Matthew R. Dintzner, Shannon J. Drayton, Johnnie L. Early II, Andrea N. Edginton, Cheryl K. Horlen, Cynthia K. Kirkwood, Anne Y.F. Lin, Michelle L. Rager, Bijal Shah-Manek, Adam C. Welch, Nancy Toedter Williams
Point/Counterpoint: Are Outstanding Leaders Born or Made?
American Journal of Pharmaceutical Education Volume 81, Issue 3, 2017

Invited Presentations/Consultations (Select)

1998 Presentation: Clinical Pharmacy Practice in the Primary Care Setting. Palmetto Medical, Dental and Pharmaceutical Association Annual Convention, Columbia, S.C.

1998 Presentation: NPhA: A Mission in the Community and lives of Pharmacists. Cleveland Pharmaceutical Association Convention, Cleveland, OH

1998 Diversity Matters, Eli Lilly, and Company

1999 Diversity in Pharmacy for the Millennium panel presentation, APhA annual convention, San Antonio, Texas, Pharmacist Planning Service, Inc., delivered summary and closing remarks.

1999 Technology's Importance to Pharmacy, presented at the 11th Annual Meeting, American Society for Automation in Pharmacy, Kiawah Island, S.C.

2001 Feasibility of a pharmacy school at Central State University, a Historically Black University. Wilberforce, OH.

2002 Consultant. University of North Carolina Board of Regents
Feasibility Study: School of Pharmacy at Elizabeth City State University, a Historically Black University
Chapel Hill, Greenville, and Elizabeth City, North Carolina

2002 Pharmacoepidemiology: Impact of Culture, Role of Education
Pharmacoepidemiology Workshop
Wuhan University School of Public Health
Wuhan, China

REFERENCES
Provided upon request.

Brady McNulty PharmD CISSP

(541)733-5506 • Roseburg, OR • bradyrph@gmail.com • http://www.linkedin.com/drmcnulty

EDUCATION

Bachelor of Science in Cyber Security and Information Assurance | Western Governors University — Expected Mar. 2023

Doctor of Pharmacy | Texas A&M University — May 2014

Bachelor of Science in Nuclear Engineering Technology | Excelsior College — Mar. 2011

Associate of Science in Biology, Chemistry, Pre-Pharmacy | Del Mar College — May 2010

CERTIFICATIONS

(ISC)2: Certified Information Systems Security Professional (CISSP), Systems Security Certified Practitioner (SSCP)

CompTIA: ITF+, Project+, A+, Network+, Security+, CySA+

Other: ITIL Foundational Level, EC-Council Certified Encryption Specialist, Apple Certified Support Professional

EXPERIENCE

Pharmacist in Charge — **Sep. 2021 - Present**
Sutherlin Drug | Sutherlin, OR

Manage staffing, workflow, and regulatory compliance while also providing clinical services in the only pharmacy in Sutherlin.

Key Accomplishments:

- Led necessary change processes to adapt to sudden closures of 70+ Bi-Mart pharmacies across Oregon
- Hired, trained, and retained pharmacists, technicians, and clerks across tumultuous period

Limited Part-Time Pharmacist — **Feb. 2022 - Present**
Costco Warehouse 1073 | Roseburg, OR

- Perform daily duties of a pharmacist, including medication verification and safety checks

Staff Pharmacist — **Jan. 2015 - Sep. 2021**
Bi-Mart Pharmacy | Roseburg & Sutherlin, OR

- Performed daily duties of a pharmacist, including medication verification and safety checks
- Mentored and trained pharmacy technicians and pharmacy students

Pharmacist Resident — **June 2014 - Jan. 2015**
Veterans Affairs Medical Center | Roseburg, OR

- Participated in clinical teams for mental health, long term care, hospice, and general medicine services
- Saw patients and managed their diabetes, cholesterol, and blood pressure medications

Nuclear Reactor Operator — **2002 - 2008**
US Navy | Various

- Completed Nuclear Field “A” School, Nuclear Power School, and Prototype training in Charleston, SC
- Operated nuclear reactors in training vessels and onboard aircraft carrier USS GEORGE WASHINGTON (CVN-73)
- Secret Security Clearance
- Honorable Discharge

MARLA R. MILLER
2810 Front St.
Klamath Falls, OR 97601
541-891-0399
marla.miller@oit.edu
marlamiller79@gmail.com

EDUCATION

M.S. Managerial Communication, 1994 University of Portland. Portland, Oregon
B.S. Business Administration, 1986 Southern Oregon University, Ashland, Oregon

ACADEMIC EMPLOYMENT HISTORY

OREGON INSTITUTE OF TECHNOLOGY, KLAMATH FALLS, OREGON

ON-LINE ADJUNCT PROFESSOR 1999 - 2020
Teach Principles of Health Care Management. Previously taught Health Care Systems and Policy, Introduction to Business, Principles of Management, and Total Quality in Health Care. Responsible for preparation of course materials, lectures, exercises, and evaluation of student performance.

DEPARTMENT CHAIR, MANAGEMENT DEPARTMENT 2009-2013
Responsible for oversight and coordination of departmental functions and activities. Support the teaching activities of the department, actively represent departmental needs to the dean, and serve as a communicative link between the administration and the departmental faculty. The
Chair is also an academic leader of the institution serving as a member of the Academic Council, providing input to the administration on academic policy and curriculum issues.

PROFESSOR, MANAGEMENT DEPARTMENT 1999-2013
Progressed through the ranks of Assistant Professor to Full Professor. Taught a variety of Business and Management courses including Principles of Health Care Management; Total Quality in Health Care; Human Resource Management; Introduction to Business; Small Business Management; Controversial Issues in Management; Leadership; Organization Behavior; Business Presentations; and Senior Projects.

ACADEMIC DUTIES

Faculty Senate: President, Vice President, Welfare Committee Chair
Faculty Advising Instructor, Academic Advisor
Student Hearing Commission Chair
Distance Ed Advisory Committee
Faculty Rep to Academic Council
Self-Study Work Group Co-Chair
Curriculum Coordinator
Indefinite Tenure Review Committee
Post Tenure Review Committee
Ad Hoc Committee for Faculty Compensation
Faculty Co-Advisor OTSMA
Search Committees

PROFESSIONAL EMPLOYMENT HISTORY

SMART BUSINESS CONSULTING

BOOKKEEPER, HR SPECIALIST March 2014 to January 2017

Full-cycle bookkeeper including A/P, A/R, payroll, and grant tracking. Certified Professional Human Recourses Manager (PHRM)

KLAMATH MEDICAL CLINIC, P. C., KLAMATH FALLS, OREGON

CLINIC ADMINISTRATOR, 1995-2000

Responsible for all aspects of clinic management including financial, operational and clinical. Oversight of supervisory staff in personnel management, facility management and patient relations. Worked in collaboration with the Medical Director and Corporation Board of Directors to achieve organizational goals and objectives.

PROVIDENCE HEALTH SYSTEM, PORTLAND, OREGON

REGIONAL DIRECTOR, OCCUPATIONAL HEALTH SERVICES, 1993-1995

Responsible for effective overall operations and program development of regional Occupational Health Services program consisting of four clinical sites and two worker rehabilitation facilities. Led staff to ensure that patient care services provided were delivered in a timely, clinically sound manner that was sensitive to the patient's physical, psychological and spiritual needs. Worked in collaboration with the Medical Director for Regional Occupational Health Services.

MANAGER, PHYSICIAN PRACTICE MANAGEMENT SERVICES, 1992-1993

Planned, organized, marketed and conducted consultation services for private physician medical offices in areas such as practice management assessment and evaluation, human resource management, systems analysis, practice marketing and development, billing and collections, policy development, space utilization, and group practice development. Authored monthly Practice Management Tips article for publication in News for Physicians newsletter with statewide circulation. Developed and implemented educational/training programs for physicians and physician office staff.

THE PORTLAND CLINIC, PORTLAND, OREGON

DIRECTOR OF OPERATIONS AND HUMAN RESOURCES, 1987-1992

Responsible for the overall operations and human resource functions for 35 physician/200 FTE multi-specialty medical clinic at three locations. Managed supervisors of lab, radiology, transcription, medical records, purchasing, maintenance, research, occupational medicine, and the two branch managers. Functioned as project manager for facilities construction and remodeling.

PROFESSIONAL MEMBERSHIPS AND VOLUNTEER ACTIVITIES

2013-Present	National Assistance League
2013-Present	Assistance League of Klamath Basin Treasurer
2013-Present	Klamath County Library –shelf reader.
2004-2013	Society for Human Resource Management,
1987 -2005	National Medical Group Management Association,
2002-2004	National Quality in Healthcare Association.
1995-1999	Klamath County Rotary

Mark A. Neupert

Curriculum Vitae
September 2021

Professor of Anthropology
Oregon Institute of Technology
3201 Campus Dr., Klamath Falls, OR 97601
Office: (541) 885-1394
email:mark.neupert@oit.edu

EDUCATION:
Ph.D. 1999 (Anthropology) - University of Arizona, Tucson.
Minor in Materials Science and Engineering
M.A. 1992 (Anthropology) - University of Arizona, Tucson.
B.A. 1987 (Anthropology) - University of Colorado, Boulder. Magna cum Laude in College Honors.

PROFESSIONAL EXPERIENCE: Oregon Institute of Technology

2012-2020 Department Chair, Humanities and Social Sciences, Oregon Institute of Technology
- The HSS department is home to two undergraduate programs (BS in Population Health Management, BS in Applied Psychology) and two graduate programs (MS in Marriage and Family Therapy, and MS in Applied Behavior Analysis), with operations on two campuses (Klamath Falls and Portland Metro) and online. HSS offers a significant portion of general education coursework at OIT and is home to faculty in psychology, sociology, anthropology, literature, philosophy, history, art, music, and political science: 15 full-time and ~35 part-time/adjunct faculty, with a departmental budget of $2 million.

- Major departmental accomplishments 2012-2020:
Approval and launch of a "first in the nation" BS in Population Health Management. This interdisciplinary major is founded on medical sociology, but brings in geographic information systems, health informatics, psychology, and health care management. Established an off-campus research center (PHMRC) where students work on "real world" projects sponsored by community health partners, including Klamath Tribal Health, Sky Lakes Hospital, Klamath City School District, among others.
Approval and launch of MS in Applied Behavior Analysis – first and only in Oregon, located in both Klamath Falls and Portland-Metro, and serving students statewide through synchronous distance delivery.
Established the Behavior Improvement Group (auxiliary unit) – an ABA teaching clinic located in Klamath Falls. Received significant gifts from a variety of foundations, including the Ford Family Foundation, Smullin Foundation, and Cascade Health Alliance, and has fee-for-service contracts with Cascade Health Alliance, and city and county school districts.
Established a joint Masters in Education degree with Southern Oregon University, combining our Graduate Certificate in ABA with SOU's SPED-based program in Autism Spectrum Disorder.
Approval and launch of a new MS in Marriage and Family Therapy (MFT). This program embeds both a certificate in Medical Family Therapy/Integrated Behavioral Health and coursework for CDACIII certification.
Revitalized humanities general education offerings, including new hires in art, philosophy, and digital humanities and the launch of a minor in ALPs (Arts, Literature, and Philosophy). Enrollment in Humanities courses is up 25% over 5 years with an increase in ART and PHIL courses over 200%.

Expansion of BS in Applied Psychology to Portland Metro campus and fully online.
New minor in Medical Sociology designed to support students in Allied Health, Medical Laboratory Sciences, and Health Care Management majors.
Increase in external funding for HSS department from a historical total of zero to
$3 million total by 2020. Includes grants, fee-for-service contracts, sponsored projects, and foundation gifts.
HSS faculty were deeply involved in general education reform, including the creation and assessment of new Essential Student Learning Outcomes.
HSS department faculty won the OIT Foundation Faculty Achievement Award for the College of Health, Arts, and Sciences 5 of the 6 years prior to 2020.

2008- Present Professor of Anthropology

2018-2019 Visiting Scholar, University of Leiden, the Netherlands (sabbatical appointment) 2003-2008 Associate Professor of Anthropology

1998 -2003 Assistant Professor of Anthropology

Institutional Service: Oregon Institute of Technology
Chair, Department of Humanities and Social Sciences (2012/13 – 2020)
Chair, Academic Leadership and Structure, Ad hoc committee (2013/14)
Faculty Senate President (2006/07-2007/08)
Faculty Senate Executive Committee (2003/04-2007/08)
Faculty Senator, School of Health, Arts, and Sciences (2001/02-2007/08)
Chair, Fiscal Operations Advisory Council (2010/11-2011/12)
Chair, Steering Committee on Academic Structure (2010/11)
Chair, Faculty Compensation Committee (2008/09)
Chair, Rank Promotion and Tenure Committee (2003/04-2005/06)
Fellow, Sponsored Projects and Grants Administration (2020 – Present).
Member, Facilities Planning Commission (2012/14, 2020-present)
Member, International Committee (2021-Present)
Member, Substance Abuse Commission (2020-Present)
Member, Fiscal Operations Advisory Council (2012/13- 2017/18)
Member, Academic Council (2012/13 - 2020)
Member, Provost Search Committee (2016/17)
Member, Dean of HAS Search Committee (2013/14)
Member, Academic Planning Core Team (2011/12)
Member, Promotion Advisory Committee (2011/12)
Member, Rank Promotion and Tenure Committee (1998/99-2002/03, 2008/09, 2011/12) Member, Program Reduction and Elimination Committee (2010/11)
Member, Student Awards Committee (2000/01-2001/02)
Assistant Coach, Women's Volleyball (2000/1-2001/2) Faculty Advisor, Native American Student Union (1999-2003) Faculty Advisor, KTEC – student radio station (1999-2003)
Faculty Advisor to several other student clubs at various times, including the Juggling Club, Zymurgy Club, and Film Club.

ANTHROPOLOGICAL FIELDWORK:

Ethnographic:

2018-2019 Ethnographic Filmmaking in Leiden, the Netherlands. Sabbatical year project.
2009-2010 Ethnographic Filmmaking in Leiden, the Netherlands. Sabbatical year film project "Cobblestone Stories; A year of modern living in Leiden, the Netherlands"
2000 Summer Ethnoarchaeological research into ceramic technology and the organization of pottery production in Paradijon, Southern Luzon, the Philippines.
1997-1998 Applied Ethnography with the Bureau of Applied Research in Anthropology, University of Arizona, researching the socioeconomic impact of Outer Continental Shelf (OCS) oil development on coastal communities in Louisiana and Texas.
1995 Apr-Aug Ethnoarchaeological research into ceramic technology and the organization of pottery production in Paradijon, Southern Luzon, the Philippines.
1994 Summer Ethnoarchaeological studies on the organization of pottery production in several pottery-making communities in the Visayan Islands, the Philippines, including Car Car and Liloan - Cebu; Dumaguete and Zamboanguita - Negros Oriental; Tiwi and Paradijon- Southern Luzon.
1991 Summer Ethnoarchaeological study of pottery production and consumption in Paradijon, Southern Luzon, the Philippines.

Archaeological:
2002 Summer Advanced Mapping Pilot Project. Mapping of Southwestern sites with Cyrax 2500 Lidar Laser Scanner with Pacific Survey Supply, Medford,OR.
2001 Summer Archaeological Fieldschool at OIT. Directed survey and mapping of Modoc pithouse village site near Tulelake, CA.
1989 -1990 Excavation and Survey Supervisor, University of Arizona Archaeological Field School, Grasshopper, Arizona. Instructed and supervised excavation and survey of Mogollon sites in Arizona. Dr. J. Jefferson Reid, Director.
1986 -2001 Seasonal excavation crew chief/member for multiple Cultural Resource Management firms, conducting fieldwork in Colorado, Utah, Wyoming, and California.
1985 Summer Student, University of Colorado Archaeological Field School, Yellow Jacket, Co.
Dr. Joe Ben Wheat, Director.

PUBLICATIONS:
Neupert, M.A
2017 Column: "Een goede openbare ruimte moet memorable willen zijn" (A good public space needs to be memorable). NAW magazine voor gebiedsvernieuwers. Nr.59, September 2017. Pg 20. BPD Ontwikkeling BV, Hoevelaken, the Netherlands.
2017 Film "Cobblestone Stories: A year of modern living in Leiden, the Netherlands." Copyright Mark Neupert, 2017
2009 "Book Review: Identity and Reciprocity in 15th Century Philippines" Leiden Journal of Pottery Studies. 25, 2009:195:196.
Beck, M. and M.A. Neupert
2009 "Identifying pottery clay from rice fields: an example from southern Luzon, the Philippines" Journal of Archaeological Science. 36(2009)843-849.
Neupert, M. A.
2007 "Contingency Theory and the Organizational Behavior of Traditional Pottery Production" in Archaeological Anthropology: Perspective on Method and Theory, edited by J. Skibo, M. Graves, and M. Stark, pg. 138-162, University of Arizona Press.
2000 "Clays of Contention: An Ethnoarcheological Study of Factionalism and Clay Composition" in Journal of Archaeological Method and Theory. Vol. 7(3): 249-272.
1999 "Potters and politics: Factionalism and the organization of ceramic production in Paradijon, the Philippines" Ph.D. Dissertation. Published 2021 by Bicol University, Sorsogon, the Philippines.

1995 "Strength Testing Archaeological Ceramics: New Approaches and Applications" in Materials Issues in Art and Archaeology IV. Materials Research Society Proceedings, Vol. 352:325- 331.
1994 "Strength Testing Archaeological Ceramics: A New Perspective" American Antiquity 59(4): 709-723.
Neupert, M. A. and W. A. Longacre
1994 "Informant Accuracy and Ceramic Use-life Studies: A Kalinga Perspective" in Kalinga Ethnoarchaeology edited by J. M. Skibo and W. A. Longacre. pg 71-82. Smithsonian Press, Wash. D.C.
Schiffer, M. B., J. M. Skibo, T. Boelke, M.A. Neupert, and M. Aronson
1994 "New Perspectives on Experimental Archaeology: Surface Treatments and Thermal Response of the Clay Cooking Pot" American Antiquity, 59(2): 197-217.
Neupert, M. A.
1993 "Strength Analysis of the Transwestern Ceramic Assemblage" in Across the Colorado Plateau: Anthropological Studies Along the San Juan Basin and Transwestern Mainline Expansion Pipeline Routes, Vol. 16, pg 279-300, Ceramic Interpretations, by B. J. Mills,
C. Goezte, and M. N. Zedeno. Office of Contract Archaeology and the Maxwell Museum, University of New Mexico, Albuquerque.
Reid, J. J., B. K. Montgomery, M. N. Zedeno, and M.A. Neupert
1992 "The Origin of Roosevelt Redware" in Proceedings of the Second Salado Conference, Globe, Arizona 1992, edited by R. C. Lange and S. Germick, pp. 212-215. Arizona Archaeological Society, Phoenix.
Malville, J. M. and M.A. Neupert
1986 "Organization of Space in the Ceremonial Site of 5MT-5, Yellow Jacket, Co." Journal of Archaeoastronomy 9: 70-77.

FILM FESTIVAL SCREENINGS
2019 "Heavenly" accepted as Official Selection and presented by Ethnografilm Paris, film festival. Screened at Theatre Lepic, Montmartre, Paris, April 19, 2019.
2017 "Cobblestone Stories: a year of modern living in Leiden, the Netherlands" accepted as Official Selection and presented by Ethnografilm Paris, film festival. Screened at Cine 13, Montmartre, Paris, April 14, 2017

OTHER DISSEMINATION and PRESENTATIONS
2019 Key note address for “Erfgoed Prize” National Heritage Symposium, Leiden, the Netherlands.
2019 Multiple public presentations of “Cobblestone Stories,” including theatrical and educational presentations with introductions and Q&A sessions. Example: Presentation for Leiden Global, a community of leading academic and cultural institutions in Leiden, including the University of Leiden and Roosevelt Institute for American Studies.
2018 Podcast for Leiden+, City of Discovery Week. Topic: Designing Urban Living.
2018 Discussion panelist for Dr. Richard Jackson lecture at Ross Ragland Theater, Klamath Falls. Topic: Built environment and public health.
2018 “Cobblestone Stories: Leiden as an Ideal for New Urbanism. Interview with Mark Neupert” by Jip Barneveld and Maaike de Vreugd. Leidschrift (33.1) pgs 99-105.
2017 World Premiere of “Cobblestone Stories” at Museum Volkenkunde (National Museum of Ethnology, Netherlands). April 8, 2017
2016 Youtube channel “Cobblestone Stories.” Over 48,000 views (as of 9/20/21).
2010 Youtube channel “Anthromark”– contains ethnographic film clips from fieldwork in the Philippines and the Netherlands. Over 50,000 views (as of 9/20/21).

PRESENTED PAPERS
Neupert, M.A.

2019 “Dancing with the Past” 12-minute film for symposium on living heritage cities. 2019 meeting of European Association of Archaeology, Bern, Swizterland.
Neupert, M.A., Doug Gann, Carlos Velazquez, Ruth Van Dyke
2003 "Data Collection for Three-Dimensional Modeling: An evaluation of techniques" 68th Annual Meeting of the Society for American Archaeology, Milwaukee.
Neupert, M.A.
2001 "Advances in Ceramic Sociology" 66th Annual Meeting of the Society for American Archaeology, New Orleans.
Neupert, M. A., Hector Neff, and Susan Stinson
1998 "Clays of Contention: Testing Sourcing Techniques in an Ethnoarchaeological Setting", 63rd Annual Meeting ofthe Society of American Archaeology, Seattle.
Neupert, M.A.
1997 "Social Networks and Ceramic Technology: An Ethnoarchaeological Perspective", 62nd Annual Meeting of the Society of American Archaeology, Nashville.
1996 "Potters and Politics: An Ethnoarchaeological Study of Craft Production and Political Factionalism in Paradijon, Southern Luzon, the Philippines", 6th International Conference of the European Association of Southeast Asian Archaeologists, Leiden, the Netherlands.
1996 "Beyond Craft Specialization: An Ethnoarchaeological Study of Ceramic Technology and the Organization of Craft production in Paradijon, Southern Luzon, the Philippines", 61st meeting of the Society for American Archaeology, New Orleans.
Skibo, J. M. and M. A. Neupert
1995 "Pottery Life History: An Ethnoarchaeological Perspective from the Philippines", 60th Meeting of the Society for American Archaeology, Minneapolis.
Neupert, M.A.
1994 "Strength Testing Archaeological Ceramics: New Approaches and Applications", Materials Research Society: Materials Issues in Art and Archaeology IV, Cancun.
1994 "Strength Testing Made Easy: Method and Theory for Mainstream Ceramic Analyses", 59th Meeting of the Society for American Archaeology, Anaheim.
Longacre, W. A. and M.A. Neupert
1994 "Is the Customer Always Right? A Ceramic Ethnoarchaeological Study of Vessel Performance in Negros, the Philippines", 59th Meeting of the Society for American Archaeology, Anaheim.
Neupert, M.A.
1993 "The Tortured Sherds Speak: Ceramic Technology and Performance Across the Colorado Plateau", 1993 Anasazi Symposium, Farmington.
1991 "Vessel Strength and Changes in Ceramic Production" (poster), 56th Meeting of the Society for American Archaeology, New Orleans.
1991 "Vessel Strength and Changes in Ceramic production", 1991 Meeting of the Southwestern Anthropological Association, Tucson.
Doolittle, C. J. and M. A. Neupert
1991 "Settlement Analysis Through GIS: A Mogollon Example" (poster), 56th Meeting of the Society for American Archaeology, New Orleans.
M.A. Neupert
1991 "Settlement Analysis Through GIS: A Mogollon Example", 1991 Meeting of the Southwestern Anthropological Association, Tucson.
Schiffer, M. B., J. M. Skibo, M. A. Neupert, and T. Boelke
1991 "Surface Treatments and Thermal Response: An Experimental Study of the Clay cooking Pot" (poster), 56th Meeting of the Society for American Archaeology, New Orleans.
Neupert, M. A. and W. A. Longacre

1990 "Does the Craftsperson Know Best? Informant Accuracy and Use-life Studies" (poster), 55th Meeting of the Society for American Archaeology, Las Vegas.
Reid, J. J., B. K. Montgomery, M. N. Zedeno, and M.A. Neupert
1990 "Origins of Roosevelt Red ware", 1990 Mogollon Conference, Silver City.
Malville, J. M. and M. A. Neupert
1987 "Organization of Space at the Ceremonial Site of 5MT-5, Yellow Jacket, Co.", 187th Meeting of the American Astronomical Society, Pasadena.

OTHER PARTICIPATION AT MEETINGS:
1997 Co-organizer, "The Archaeology/ Archaeometry Nexus", a series of meetings at the University of Arizona, Department of Anthropology, on topics regarding the interaction between archaeology and archaeometry.
1994 Chair, "New Directions in Ceramic Research", 59th meeting of the Society for American Archaeology, Anaheim.

GRANTS AND AWARDS:
2019 Faculty Creativity Grant, Oregon Tech. $5000
2017 Oregon Tech Foundation Faculty Achievement Award, College of Health, Arts and Sciences.
2002 Student Affairs Most Valuable Partner, awarded by the Oregon Tech, Dean of Students.
1996 National Science Foundation, Dissertation Research Improvement Grant, SBR-9615373, $11,291.
1994 University of Arizona Summer Research Support Fund, for ethnoarchaeological fieldwork in the Philippines.
1991 Educational Fund for Archaeology, University of Arizona Department of Anthropology, for ethnoarchaeological fieldwork in Gubat, Sorsogon Province, the Philippines.
1991 Edward Commins Award, University of Arizona Department of Anthropology, for ethnoarchaeological fieldwork in Gubat, Sorsogon Province, the Philippines.
Grants and sponsored projects oversight as Department Chair, $3 million total.

PROFESSIONAL AFFILIATIONS:
American Anthropological Association
-Society for Visual Anthropology

Former member:
Society for European Archaeology Society for American Archaeology American Planning Association

Community Service:
Member, Selection Jury, Klamath International Film Festival. (2020 – Present)
Commissioner, City of Klamath Falls Planning Commission (2005 – 2017)
Member, Blue Zones Project, subcommittee on built environment (2015-Present)