

Biosketch

Andrew Kauffman
Sr. Associate Director, Nuclear Reactor Laboratory
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Education and Training:

Institution	Major/Area	Degree	Year Completed
The Ohio State University	Engineering Physics	B.S.	1994
The Ohio State University	Nuclear Engineering	M.S.	2001

Research and Professional Experience

Andrew Kauffman has been at the OSU-NRL for over 20 years and presently serves as the Senior Associate Director of the laboratory. In that capacity he provides high-level administrative and operational supervision, ensures safe usage of the OSU Research Reactor and other facility resources, directs the research and education activities of the lab, and manages and facilitates repair and upgrades of reactor instrumentation and systems. He oversees compliance with federal and state radiation-safety regulations and serves as the primary liaison to regulatory agencies and other outside entities. As the laboratory Sr. Assoc. Director, Andrew is responsible for the laboratory training programs, which include safety, security, and operations. He played the leading role in relicensing the OSURR for a 20-year extension, co-led the effort to become a DOE NSUF partner facility, is a licensed Senior Reactor Operator, and has served as a PI and co-PI for numerous projects reactor upgrade and service projects. Additionally, he serves as the building coordinator, equipment custodian, and IT liaison.

- **Sr. Associate Director, OSU Nuclear Reactor Laboratory, 2018-Present**
Provide high-level administrative and operational supervision and direct day-to-day operations of the lab. Serve as the primary liaison to regulatory agencies and other outside entities and participate in the research and education activities of the lab. Maintain senior reactor operator (SRO) license and direct facility upgrades, repairs, and licensing activities, and participate in planning and implementation of these. Participate in budgeting, strategic planning, proposal writing, and customer interactions.
- **Associate Director, OSU Nuclear Reactor Laboratory, 2003-2018**
Direct day-to-day operations of the lab, serve as the primary liaison to regulatory agencies and other outside entities, and participate in the research and education activities of the lab. Maintain senior reactor operator (SRO) license and direct facility upgrades, repairs, and licensing activities, and participate in planning and implementation of these. Participate in budgeting, strategic planning, proposal writing, and customer interactions.
- **Research Associate, OSU Nuclear Reactor Laboratory, 1999-2003**
Maintain senior reactor operator (SRO) license and participate in facility upgrades, repairs, and licensing activities. Participate in writing and revising laboratory procedures, plans and reports. Teach

student laboratory sessions. Operate the reactor and perform radiation safety functions, facility surveillance activities, safety evaluations for proposed experiments, and other activities to support laboratory research.

Publications:

1. "Design of Fuel Salt Irradiation for Fission Products Gamma Spectroscopy and Off-Gassing Study", M. Van Zile, E. Gordon, Praneeth Kandlakunta, Andrew Kauffman, M. Bisbee, S. Li, M. Simpson, S. Shahbazi, L.R. Cao, ANS Winter Meeting Transactions Summary, June 2022
2. "Additional experimental evidence for a solar influence on nuclear decay rates", J. Jenkins, K. Herminghuysen, T. Blue, E. Fischbach, D. Javorsek, A. Kauffman, D. Mundy, P. Sturrock, J. Talnagi, Astroparticle Physics, Vol. 37, Sep. 2012, 81-88.
3. "Strategies for Radiation Hardness Testing of Power Semiconductor Devices," M. Patton, R. Harris, R. Rohal, T. Blue, A. Kauffman, A. Frasca, ANS Space Nuclear Conference 2005: Embedded Topical Meeting Proceedings, June 2005.
4. "High-Temperature Test Facility for Reactor In-Core Sensor Testing", A. Kauffman, D. Miller, T. Radcliff, K. Maupin, D. Mills, M. Penrod, Nuclear Technology, Vol. 140, Nov 2002.
5. "In-Reactor High-Temperature Test Facility", A.C. Kauffman, D.W. Miller, T.D. Radcliff, ANS Conference Transactions, June 2002.
6. "Constant-Temperature Calorimetry for Incore Power Measurement", T.D. Radcliff, D.W. Miller, A.C. Kauffman, Nuclear Technology, Vol. 132, Nov. 2000.
7. "High Temperature Test Facility for Reactor In-Core Sensor Testing at The Ohio State University Nuclear Reactor Laboratory", V.M. Penrod, A.C. Kauffman, D.W. Miller, T.D. Radcliff, NPIC&HMIT Conference Transactions, Nov. 2000.
8. "Neutron Flux Oscillator for Reactor In-Core Sensor Testing", A. C. Kauffman, D. W. Miller, V. M. Penrod, T. D. Radcliff, NPIC&HMIT Conference Transactions, Nov. 2000.
9. "Emulation of a Dynamic Safety System Reactor Protection System for a US Light Water Reactor", A. Kauffman, G. Toth, B. Hajek, D. Miller, J. Fluhrer, G. Adams, NPIC&HMIT Conference Transactions, May 1996.
10. "Dynamic Safety Systems for BWR Reactor Protection System Replacement", B. Hajek, D. Miller, A. Kauffman, G. Toth, J. Fluhrer, W. Hines, J. Talnagi, C. Strayer, Y. Cai, G. Adams, P. Harold, I. Smith, C.D. Wilkinson, 9th Power Plant Dynamics, Control & Testing Symposium Transactions, May 1995.

Synergistic Activities:

1. Sr. Associate Director of the OSU Nuclear Reactor Laboratory
2. Licensed senior reactor operator (SRO) for OSU Research Reactor
3. Played primary role in relicensing the OSURR for 20-year extension
4. Participation in many OSURR facility modifications