

**KEVIN HERMINGHUYSEN**

The Ohio State University  
Nuclear Reactor Laboratory  
1298 Kinnear Road  
Columbus, OH 43212  
614.688.8210 herminghuysen.1@osu.edu

**EDUCATION:**

<u>INSTITUTION AND LOCATION</u>	<u>DEGREE</u>	<u>YEAR</u>	<u>FIELD</u>
The Ohio State University, Columbus, OH	B.S.	1990	Eng. Physics
The Ohio State University, Columbus, OH	M.S.	1993	Nucl. Engr.

**RESEARCH AND/OR PROFESSIONAL EXPERIENCE:**

9/2018 - Present: Sr. Researcher, Nuclear Reactor Laboratory, Ohio State University, Columbus, OH  
12/2005 - 8/2018: Research Associate, Nuclear Reactor Laboratory, Ohio State University, Columbus, OH  
5/1998 - 11/2005: Senior Nuclear Engineer, Westinghouse Electric Company, Windsor, CT  
12/1993 - 4/1998: Research Associate, Nuclear Reactor Laboratory, Ohio State University, Columbus, OH

**EXPERIENCE:**

Kevin Herminghuysen is a Senior Researcher and a licensed senior reactor operator at The Ohio State University Nuclear Reactor Lab. He is active in day-to-day reactor and laboratory operations and participates in the research and education activities of the lab.

**SELECTED PUBLICATIONS:**

- *A Radioactive Tracer Dilution Method to Determine the Mass of Molten Salt*, L. R. Cao, J. Jarrell, A. C. Kauffman, S. M. White, K. R. Herminghuysen, D. Hardtmayer, J. Sanders, S. Li. (2017), *Journal of Radioanalytical and Nuclear Chemistry*, 314, 1-7, DOI: 10.1007/s10967-017-5417-5.
- *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.
- *Calculating an Unknown Source Activity Using Modeled and Experimental Results*, M.S. Rowan, T.E. Blue, and K.R. Herminghuysen, and C.M. Petrie, *Health Physics*, November 2014, Volume 107, Number 5.
- *A Comparison of Measurements and Calculations of the Effects of Scattered Radiation on Dosimeter Calibration In A Calibration Range*, M.S. Rowan, T.E. Blue, E. Lahti, J.W. Talnagi, and K.R. Herminghuysen, *Health Physics*, September 2013, Volume 105, Number 3.
- *Evaluation of the Effects of Scattered Radiation on Dosimeter Calibration In A Calibration Range*, C.M. Petrie, R.G. Nimps, T.E. Blue, and K.R. Herminghuysen, *Health Physics* January 2013, Volume 104, Number 1.
- *Evaluation of Scattered Radiation In A Calibration Range Using Exposure Rate Energy Spectra*, C.M. Petrie, T.E. Blue, and K.R. Herminghuysen, *Health Physics* January 2012, Volume 102, Number 1.

- *Evaluation of the Shadow Shield Technique for the Measurement of Scattered Radiation*, D.R. Steele, C.M. Petrie, K.R. Herminghuysen, and T.E. Blue, Health Physics July 2011, Volume 101, Number 1.
- *Development and evaluation of a neutron-gamma mixed-field dosimetry system based on a single thermoluminescence dosimeter*, K.R. Herminghuysen and T.E. Blue, Nuclear Instruments and Methods in Physics Research A 353 (1994) 420-424
- *Monte Carlo Shielding Analysis for an Accelerator Epithermal Neutron Irradiation Facility (AENIF) in a Conventional X-Ray Irradiation Room*, T. Qu, T. Blue, K. Herminghuysen, C. Kanellitsas, R. Gahbauer, , Advances in Neutron Capture Therapy, Edited by A.H. Soloway et al., Plenum Press, New York, 1993