Pacific Northwest National Laboratory Information Session

March 10
1:00 – 2:00 p.m. ET
Register (Zoom link will be provided to registrants)

Every year, the Pacific Northwest National Laboratory (PNNL) hires hundreds of student interns and research associates in science, technology, mathematics, engineering, and supporting fields. All interested engineering students can learn more directly from PNNL researchers at a virtual information session!

Schedule:

1:00 – 1:10 p.m.: Introduction
Dale Walker, university recruiter, PNNL

1:10 – 1:30 p.m.: Two breakout rooms:
1a: Working in the Signature Science and Technology Division at PNNL
Dr. Alexander Couture, physicist, Applied Radiation Detection Group
Dr. Couture’s research is focused on radiation portal monitors and nuclear explosion monitoring. Prior to joining PNNL in 2016, he worked at Savannah River National Laboratory and Pajarito Scientific Corporation. He has a doctorate in experimental nuclear physics from the University of North Carolina – Chapel Hill.

1b: PSU to PNNL: A Career in lighting research
Dr. Michael Royer, systems engineer, Electricity Infrastructure & Buildings Group
Dr. Royer’s primary research area is human factors in lighting. He conducts experiments to help refine metrics and specification guidance, with the ultimate goals of advancing lighting quality to improve building occupants’ satisfaction and wellbeing while increasing the use of energy efficient lighting technologies. Prior to joining PNNL, Dr. Royer earned a doctorate in architectural engineering from Penn State.

1:30 – 1:50 p.m.: Two breakout rooms:
2a: Radiation detection research for nuclear security at PNNL
Dr. Paul Johns, physicist, Applied Radiation Detection Group
Dr. Johns’s research focuses around the development of radiological/nuclear detection systems for global nuclear security: research on systems from handhelds to portal monitors; detection algorithms; modeling and simulation; test and evaluation; sensor material synthesis and characterization; and interpreting
radiological data to provide operational and practical solutions to federal sponsors. Dr. Johns earned a doctorate in nuclear engineering from the University of Florida.

2b:  **PSU to PNNL: A career in building energy efficiency research**

Dr. Yan Chen, mechanical engineer, Electricity Infrastructure & Buildings Group

Dr. Chen is passionate about improving building energy performance towards a more resilient, healthy built environment. His research work at PNNL uses building simulations and data analytics to advance control and energy code development. Dr. Chen received his doctorate in architectural engineering, mechanical option, from Penn State in 2015.

1:50 – 2:00 p.m.: Internships and beyond

_Dale Walker, university recruiter, PNNL_