

Meet the Presenter...

Dr. Azaree Lintereur



Dr. Lintereur is an Assistant Professor for the Nuclear Engineering Program at the University of Utah, which she joined in August 2014. Prior to joining the university, Dr. Lintereur was a postdoctoral research associate at Pacific Northwest National Laboratory (PNNL) in the Radiation Detection and Nuclear Sciences group. Her work at PNNL emphasized radiation detector development for nuclear safeguards and homeland security applications. She specialized in ^3He alternatives for neutron detection, with a focus on coincidence and multiplicity counter design. While at PNNL she was supported by the Next Generation Safeguards Initiative and completed the summer Intensive International Safeguards course. In her current position, she is developing a radiation detection laboratory and research group. Her group, which consists of both graduate and undergraduate students, is working on a variety of detection projects ranging from muon detection to dual modality calorimetry-gamma ray spectroscopy system design. These projects are supported by DOE and national laboratories. She also continues to consult on multiplicity counter development for PNNL. In addition to research, Dr. Lintereur teaches for the Nuclear Engineering Program. She has updated the graduate reactor physics course, developed a graduate nuclear instrumentation course, and co-taught the new graduate course in nuclear safeguards and nonproliferation. She has also formed an Institute of Nuclear Materials Management (INMM) student chapter, for which she serves as the faculty advisor.

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