



Jason Hayward

Assistant Professor of
Nuclear Engineering



Prof. Jason Hayward is jointly appointed in the Oak Ridge National Laboratory (ORNL) Global Nuclear Security Technology Division and as the UCOR Faculty Fellow in Nuclear Engineering at the University of Tennessee-Knoxville (UTK).

His group's research focus is radiation instrumentation, especially for nonproliferation and homeland security technologies. He has a substantial program based both at UTK and ORNL in the area of detector science & development for gamma ray and neutron imaging, as well as techniques for improved, quantitative analysis of the associated data.

Prof. Hayward received his Ph.D. in 2008 and his M.S.E. in 2004, both in Nuclear Engineering and Radiological Sciences from the University of Michigan. Prior to joining UTK and ORNL, Dr. Hayward served for eight years as an officer in the U.S. Navy in the U.S. Naval Nuclear Power Training Command (1998-2003) and, as a reservist, the Office of Naval Research and Naval Research Laboratory (2003-2007).

Prof. Hayward works with the International Atomic Energy Agency as a member of the International Nuclear Security Education Network Working Groups I & II. He was recently invited to the IAEA through Dept. of State to review NS10 nuclear security educational materials (Jul 2012). Prof. Hayward is the lead for establishment and coordination of Gradu-

ate Certificate in Nuclear Security Science and Analysis (2009-2012). He is also the student chapter faculty advisor and founding member for Institute of Nuclear Materials Management (2009-2012). Prof. Hayward is UTK's lead for establishment and coordination of UTK-Fisk Dual Degree Program in Science and Engineering. He is also the coordinator of a NSF and DHS-funded outreach program with Prairie View A&M HBCU (2009-2012).

Prof. Hayward is a member of the Institute of Electrical and Electronics Engineers (Nuclear and Plasma Sciences Society), American Society of Engineering Education, Institute for Nuclear Materials Management, and American Nuclear Society.

Prof. Hayward's recent prestigious awards include being named the UCOR Endowed Faculty Fellow (2012), American Society of Engineering Education New Faculty Research Award (2012), College of Engineering Research Fellow Award (2011), and University of Michigan College of Engineering Distinguished Achievement Award (2007).

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More information on the UT Institute for Nuclear Security is available at nuclear.utk.edu.