

All Times are U.S. Eastern

April 27: Overview	
10:00	Workshop Welcome, Paul Sellin, UK, University of Surrey
10:15	Consortium for Monitoring, Technology, and Verification Overview, Sara Pozzi, MTV, University of Michigan
10:30	Overview of the Activities within the Consortium for Enabling Technologies and Innovation, Anna Erickson, EIT, Georgia Institute of Technology
10:45	Nuclear Science and Security Consortium Overview, Jasmina Vujic, NSSC, University of California at Berkeley
11:00	UK Programs Overview, Robin Grimes, UK, Imperial College of London
11:15	BREAK
Science for Nonproliferation Talks	
11:30	Remote Reactor Monitoring with the AIT-NEO Project, Matthew Malek, UK, The University of Sheffield
11:45	Neutrinos for nuclear security, Patrick Huber, MTV, Virginia Polytechnic Institute and State University
12:00	Event-by-Event Neutron and Photon Multiplicity Correlations in Nuclear Fission, Shaun Clarke, MTV, University of Michigan

12:15	Nuclear Data, Computing and Optimization in Nuclear Applications, Vladimir Sobes, NSSC, The University of Tennessee
12:30	Nuclear Applications of Cosmic-ray Muography, Ralf Kaiser, UK, University of Glasgow
12:45	From Radiochemical Synthesis to Separations at the Edge of the Periodic Table, Rebecca Abergel, NSSC, University of California, Berkeley
13:00	The Use of High-Throughput Methods for Signature Definition in Metal Additive Manufacturing, Dan Thoma, ETI, University of Wisconsin-Madison
13:15	30 min Breakout
13:45	Adjourn meeting
April 28: <i>Radiation Detection of Nonproliferation Signatures Talks</i>	
10:00	Innovations in the detection of nuclear materials: novel plastic scintillators and organic photodiodes, Bernard Kippelen, ETI, Georgia Institute of Technology
10:15	New Scintillators for Nuclear Security, Chuck Melcher, NSSC, University of Tennessee, Knoxville
10:30	Wide bandgap electronics and sensors for nuclear fuel cycle monitoring, L. Raymond Cao, ETI, The Ohio State University
10:45	Digital detection of radiation signatures, Andrew Boston, UK, University of Liverpool

11:00	Three-Dimensional Position-Sensitive Room-Temperature Semiconductor Gamma-Ray Spectrometers & Imagers, Zhong He, MTV, University of Michigan
11:15	Multi-Sensor Fusion and 3D Mapping, Kai Vetter, NSSC, University of California, Berkeley
11:30	Nuclear Security and Nonproliferation Research in the Applied Nuclear Science Group at the University of Michigan, Igor Jovanovic, MTV, University of Michigan
11:45	BREAK
<i>April 28: Machine Learning</i>	
12:00	Bayesian Estimation for Radionuclide Detection, Stephen McLaughlin, UK Heriot-Watt University
12:15	Robotics, John Fisher, ETI, Massachusetts Institute of Technology
12:30	Estimating Uncertainty Intervals from Collaborating Deep Networks, David Carlson, ETI, Duke University
12:45	Material Science in the context of the NSSC, Peter Hosemann, NSSC, University of California, Berkeley
13:00	Plutonium Attribution Methodology Development using Experimental and Data Science Methods, Sunil Chirayath, MTV, Texas A&M University
13:15	30 min Breakout
13:45	Adjourn meeting

