

The NuSec Workshop on Nuclear Security Detection takes place at the University of Surrey on 15-16 April 2019, and is run by the STFC Nuclear Security Sciences Network. The event will focus on current and future technical challenges in nuclear security detection and the program will include keynote invited speakers, submitted talks, and poster presentations.

Invited Speakers

The following invited speakers are confirmed for the workshop:

David Peterson (US Defense Threat Reduction Agency) “DTRA Basic Research Support for Radiation Detection”

John Mattingly (North Carolina State University) “Consortium for Nonproliferation Enabling Capabilities (CNEC): Mission and Accomplishments”

Tom Scott (University of Bristol), “Survey techniques for environmental and disaster monitoring”

Rob Buckingham (UKAEA, RACE robotics centre), “Relying on robotics: towards remotely operated inspection and maintenance in high hazard scenarios”

Robert Speller (UCL), “Imaging and locating radioactive isotopes for security”

Lee Thompson (Sheffield), “Monitoring nuclear reactor neutrinos with WATCHMAN/AIT”

The Workshop will also include an Academic-Industrial collaboration and networking session on Monday afternoon, sponsored by CBRN-UK, plus presentations for the best student poster presentation.

Call for Abstracts

Abstracts for either oral or poster presentations are invited in the following subject areas:

- Nuclear Security detection systems
- Algorithms and Autonomous Decision Making
- Particle Detection for core monitoring
- UAV Monitoring and Environmental Measurements
- He-3 mitigation for neutron detectors

The abstract submission deadline is 14th January 2019.

Further Information

For further information, including abstract submission, see <https://indico.cern.ch/e/nusec>