Evolving Threats and Advanced Security Technologies
An Interactive Conference – Initial Event Schedule

20 - 29 OCTOBER 2020

In 2018, WINS published a Special Report on *Evolving Threats and Advanced Security Technologies*. Both threats and technologies are constantly changing, and it is essential for the industry to have access to the most recent information. This online conference is designed to promote productive and interactive participation that will allow all attendees to learn from each other and improve their nuclear security practices. The findings will be used to update WINS' 2018 report

Introduction Session (On-demand)   (From Tuesday 20 Oct. 2020)

- Introduction to the interactive conference and conference proceedings (WINS)
- Keynote presentation on Evolving Threats and Advanced Security Technologies, including a review of the WINS' 2018 Special Report

Session 1 - Threats (On-demand)   (From Wednesday 21 Oct. 2020)

- Emerging Threats and Adversary Capabilities – International and National Perspectives
- Presentations from Interpol, NNRA (Nigeria) and the National Security Cabinet (Brazil)

Session 2 - Advanced Security Technologies (On-demand)   (From Thursday 22 Oct. 2020)

- The Use of Robots for Security Purpose (Boston Dynamics, USA)
- The Role of Modelling and Simulation in Support to Nuclear Security (RhinoCorps, USA)
- Drones and other Unmanned Aerial Systems (Access to the July 29th, 2020 WINS webinar)
- Augmented Reality and Virtual Reality for Security
- Artificial Intelligence and Machine Learning (Ipsotek Ltd, UK)
- Blockchain for Nuclear Security (Nuclearis, Argentina)

Session 3 - User experiences using Advanced Technologies (On-demand) (From Tuesday 27 Oct. 2020)

- UAV Detection Systems at an NPP (SNERDI, China)
- Experiences from Nuclear Operators (Bruce Power, Canada and Sellafield, UK)
- An Airport Perspective (Airports Council International)
- A Global Aviation Perspective (Ove Arup & Partners Ltd, UK)

Session 4 - Regulatory and Ethical matters (On-demand)   (From Wednesday 28 Oct. 2020)

- Ethical and Legal Considerations Associated with the use of Advanced Security Technologies (Pillsbury Winthrop Shaw Pittman LLP)
- A Nuclear Regulator Perspective (US NRC)
- Regulating the use of UAVs at Nuclear and other Critical Facilities (Ove Arup & Partners Ltd))

Session 5 - Live Session (04:00pm - 07:00pm CET)   (Thursday 29 Oct. 2020)

- Moderator: Carl Reynolds, International Facilitator, UK
- Review of Sessions 1-4 and Q&A with Selected Speakers from the On-Demand Session
- Invited Experts including Rob White (Xcel Energy), Tomas Bieda (Tetratech) and Geoff Moore (Arup)
- Key Findings and Inputs to the Special Report Revision
- Conference Summary (WINS)

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