| WORKSHOP AGENDA **DAY ONE AGENDA | 28 March** | |
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| **TIME** | **EVENT** |
| 1130 | Pick-up from hotel and travel to JRC |
| 1200-1330 | Arrival, entrance procedures, registration, and working lunch |
| 1330-1335 | **Practical Information**   * Peter Gattinesi, European Commission, Joint Research Centre |
| 1335-1345 | **Welcoming Remarks**   * Kari Peräjärvi, GICNT NDWG Chair * Willem JANSSENS, Nuclear Security & Safeguards, European Commission, Joint Research Centre |
| 1345-1415 | **Keynote Lecture**  This lecture will focus on crucial cross-cutting elements of a Nuclear Security Detection Architecture and will provide a comprehensive overview of nuclear security and technical reachback topics that will be discussed throughout the workshop.   * Harri Toivonen, HT Nuclear Ltd, ERNCIP RN Thematic Group Coordinator |
| **SESSION 1**  **Role of Scientific and Technical Expert Support**  *Chaired by Kari Peräjärvi, Finland, Radiation and Nuclear Safety Authority*  This session will help raise awareness and build commitment for best practices on roles and responsibilities of scientific and technical experts. | |
| 1415-1530 | **Technical and Scientific Expert Support, Roles, and Responsibilities**  This session will include presentations from:   * Thierry Pelletier, International Atomic Energy Agency * Laurent Olmedo, France, Atomic Energy and Alternative Energies Commission * Wei Jiang, Shanghai Customs, General Administration of China Customs |
| 1530-1545 | Coffee Break |
| 1545-1730 | **Case Studies on Technical and Scientific Expert Support**  This session will begin with national-level case studies focused on technical reachback in special environments:   * Mark James, United Kingdom, Atomic Weapons Establishment (AWE) * Khalil Boudjemline, Canada Border Services Agency * René de Goede, Netherlands, Tax and Customs Administration   **Panel and Group Discussion** *facilitated by Kari Peräjärvi, Finland, Radiation and Nuclear Safety Authority*  Panel and large group discussion and question and answer session focused on identifying best practices on roles and responsibilities of scientific and technical exert support to a nuclear security incident.   * Khalil Boudjemline, Canada Border Services Agency * René de Goede, Netherlands Tax and Customs Administration * Laurent Olmedo, France, Atomic Energy and Alternative Energies Commission * Mark James, United Kingdom, Atomic Weapons Establishment * Wei Jiang, Shanghai Customs, General Administration of China Customs |
| 1800 | Buses depart JRC for Hotels |
| 2000 | Bus departs Hilton For Grand Hotel in Varese |
| 2030-2230 | **Social Networking Event** for all workshop participants. Hosted by JRC at Palace Grand Hotel in Varese.  *Please note, return transportation from the Hilton will be provided.* |

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| **DAY TWO AGENDA | 29 March** | |
| **TIME** | **EVENT** |
| 0830 | Pick-up from hotel and travel to JRC |
| 0900-1000 | Arrival, entrance procedures, and coffee |
| **SESSION 2**  **Opportunities and Challenges of Technical Reachback**  *Chaired by Peter Gattinesi, European Commission, Joint Research Centre*  Through a series of presentations and facilitated group discussion, this session will build awareness of technical reachback challenges, examine potential responses to these challenges, and identify areas for future work. | |
| 1000-1100 | **Information Sharing** *facilitated by Mark Wittrock, United States, Department of Homeland Security*  Introductory presentation by:   * Willem Janssens, European Commission, Joint Research Centre   **Panel and Group Discussion**  The following panellists will convene for a facilitated discussion focused on identifying different types of information shared during technical reachback and the benefits and challenges related to different information sharing systems and processes.   * Willem Janssens, European Commission, Joint Research Centre * Dinara Neimontaite, Lithuania, State Border Guard Service’s Nuclear Security Center of Excellence * Thierry Pelletier, International Atomic Energy Agency |
| 1100-1130 | Coffee Break |
| 1130-1230 | **Alarm Adjudication** *facilitated by Andrei Apostol, Romania, "Horia Hulubei" National Institute for Physics and Nuclear Engineering*  Introductory presentation by:   * Christopher Baugues, United States, Department of Homeland Security   **Panel and Group Discussion**  The following panellists will convene for a facilitated discussion focused on challenges, opportunities, and future work regarding centralized alarm adjudication and technical support to Front Line Officers (FLO).   * Christopher Baugues, United States, Department of Homeland Security * Wilhelmus van Heeswijk, European Commission, DG Taxation and Customs Union * Jean Galy, European Commission, Joint Research Centre |
| 1230-1330 | Lunch |
| 1330-1430 | **State of the Art of Current Detection Technology** *facilitated by Stephen Anderson, United States, Los Alamos National Laboratory*  Introductory presentation by:   * Hamid Tagziria, European Commission, Joint Research Centre   **Panel and Group Discussion**  The following panellists will convene for a facilitated discussion focused on the challenges and opportunities of current technologies, and how it affects technical reachback and information sharing at the national, regional, and international-level.   * Hamid Tagziria, European Commission, Joint Research Centre * Karim Boudergui, France, Atomic Energy and Alternative Energies Commission * Vladimir Pertsev, Russian Federation, Techsin LLC |
| 1430-1500 | Coffee Break |
| 1500-1730 | **Demonstration by JRC and France** *chaired by Hamid Tagziria and Georgios Takoudis, European Commission, Joint Research Centre*  Real-time measurement in JRC premises (outside) and data communication to JRC auditorium and French technical reachback center in Paris where the detailed analysis takes place. One hour facilitated discussion on observations, best practices, and limitations. |
| 1800 | **Buses depart JRC for Hotels** |

| **DAY THREE AGENDA | 30 March** | |
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| **TIME** | **EVENT** |
| 0830 | Pick-up from hotel and travel to JRC |
| 0900-1000 | Arrival, entrance procedures, and coffee |
| **SESSION 3**  *Chaired by Georgios Takoudis, European Commission, Joint Research Centre*  **Building on Core Components of Technical Reachback**  Through a series of presentations and facilitated group discussions, this session will focus on state of the art models, themes, and frameworks of technical reachback. Discussions will identify priorities, options for scalability, and sustainability. | |
| 1000-1030 | **Case Study on Information Sharing**   * Mitica Dragusin, Romania, "Horia Hulubei" National Institute for R&D in Physics and Nuclear Engineering |
| 1030-1100 | **Case Study on Alarm Adjudication**   * Grigory SHEVCHENKO, Russian Federation, Ministry of Defense * Vladimir Pertsev, Russian Federation, Techsin LLC: |
| 1100-1130 | Coffee Break |
| 1130-1200 | **Case Study on Alarm Adjudication and Current Technology**   * Steven Buntman, United States, Department of Energy |
| 1200-1230 | **Group Discussion** *facilitated by Emily Kroeger, Germany, Federal Office for Radiation Protection*  The following presenters will participate in a question and answer session based on the previous presentations to review technical reachback priorities, as well as options of scalability and sustainability.   * Mitica Dragusin, Romania, "Horia Hulubei" National Institute for R&D in Physics and Nuclear Engineering * Grigory SHEVCHENKO, Russian Federation, Ministry of Defense * Steven Buntman, United States, Department of Energy |
| 1230-1330 | Lunch |
| **SESSION 4**  **Advanced Technologies**  Through a series of presentations and facilitated group discussion, this session will raise awareness on the impact of new technology on nuclear security detection architectures. | |
| 1330-1430 | **Advanced Technologies** *facilitated by Mark James, U.K., Atomic Weapons Establishment*  Introductory presentations by:   * Sakari Ihantola, Finland, Imperial College London * Jan Paepen, European Commission, Joint Research Centre * Mitsuo KOIZUMI, Japan Atomic Energy Agency   **Group discussion**  Facilitated large group discussion and question and answer session focused on the challenges and opportunities of new and emerging technologies, and how emerging technology influences technical reachback and national, regional, and international information sharing.   * Sakari Ihantola, Finland, Imperial College London * Jan Paepen, European Commission, Joint Research Centre * Mitsuo Koizumi, Japan Atomic Energy Agency |
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| 1430-1445 | **Key Takeaways Discussion** *facilitated by Kari Peräjärvi and Harri Toivonen* |
| 1445-1515 | **Closing Remarks**   * Dan CHIRONDOJAN, Director Space, Security & Migration, European Commission, Joint Research Centre * Anna Selezneva, Russian Federation, Co-chair of GICNT * Kevin Wickel, United States, Co-chair of GICNT |
| 1545 | Buses departs JRC for hotels and airport |

# Workshop Overview

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