Workshop II- Nuclear Synergies: Uniting Nuclear Professionals through Interactive Learning and Collaboration

- **Date & Time:** 31 March 2026, 13:30 – 15:50 (140 minutes).
- **Venue:** HICO 300B (3F), Gyeongju, Republic of Korea.

Step into one of the most dynamic experiences of the conference—Workshop II: Nuclear Synergies. Whether you are a seasoned expert or new to the nuclear field, this workshop offers a rare opportunity to learn directly from five WiN Global Groups of Expertise, each bringing a unique perspective on innovation, regulation, safety, law, non-proliferation, and advanced technologies.
Through interactive learning, real-world case studies, and hands-on collaboration, you'll explore how multidisciplinary teams tackle the most relevant challenges in today's nuclear landscape. You will rotate across focused sessions—each guided by group leaders who are shaping global dialogue in their domains—and discover practical skills you can apply in your professional journey. If you want to deepen your knowledge, expand your professional network, and actively engage with the international WiN community, this workshop is for you.
Register now and be part of a collaborative experience designed to inspire, empower, and unite nuclear professionals from around the world.

Registration: Workshop of Groups of Expertise – "Nuclear Synergies"

More information: https://win-global.org/groups-of-expertise/

WOMEN IN NUCLEAR LAW

Enabling Innovation: Law, Policy and Responsibility for New Nuclear Deployment

This interactive workshop uses a practical SMR case study to explore how legal frameworks shape real-world nuclear decisions. Through short group and individual exercises, participants will grapple with issues such as licensing, siting, transport, and legal responsibility – without needing any legal background. The session highlights why understanding nuclear law is a core policy skill for anyone involved in deploying new nuclear technologies.

More information: https://win-global.org/groups-of-expertise/women-in-nuclear-law/

WOMEN IN NUCLEAR INNOVATION

Modernizing for the Future: Innovating Life-Extension Strategies in Nuclear Facilities

This interactive workshop challenges participants to address real-world issues of ageing equipment and digital modernization in nuclear installations. Through teamwork, you will identify root causes, explore innovative solutions, and design modernization or regulatory strategies that balance safety and efficiency. Ideal for professionals seeking practical innovation experience, cross-disciplinary collaboration, and insight into future-ready nuclear operations.

More information: https://win-global.org/groups-of-expertise/nuclear-innovation/

Reference Documents:

[1] IAEA – Management of Ageing & Obsolescence of I&C Systems (2022)
[2] U.S. DOE / INL – Light Water Reactor Sustainability Program: Plant Modernization
[3] International Nuclear Utility Obsolescence Group (INUOG) – Digital Modernization & I&C Guidance
[4] American Nuclear Society (ANS) – Digital I&C Systems Modernizing Nuclear
[5] Curtiss-Wright – Nuclear I&C Modernization: The Future is Digital
[6] Canadian Nuclear Safety Commission (CNSC) – Refurbishment & Life Extension Framework

WOMEN IN NUCLEAR FOR PEACE

Safeguards Debunked

Are you familiar with the Treaty on the Non-proliferation of Nuclear Weapons? Do you want to learn what provisions are in place to ensure the exclusively peaceful use of nuclear energy? Do you want to hear about international safeguards as implemented by the International Atomic Energy Agency? Are you interested in working as an IAEA Nuclear Safeguards Inspector or a national inspector at a nuclear regulatory authority? Then come and register for the WiN for Peace Group of Expertise during the workshop on.

More information: https://win-global.org/groups-of-expertise/win-for-peace/

Reference documents:

[1] Treaty on the Non-proliferation of Nuclear Weapons: https://www.iaea.org/sites/default/files/publications/documents/infcircs/1970/infcirc140.pdf
[2] IAEA Safeguards Overview: Comprehensive Safeguards Agreements and Additional Protocols: https://www.iaea.org/zh/node/10022
[3] Basics of IAEA Safeguards: https://www.iaea.org/topics/basics-of-iaea-safeguards
A Day in the Life of a Nuclear Safeguards Inspector: https://www.iaea.org/bulletin/a-day-in-the-life-of-a-nuclear-safeguards-inspector

WOMEN IN NUCLEAR SECURITY

Nuclear Security in Practice

Designed as a collaborative, discussion-based simulation, this session invites participants to step into realistic roles and examine their responsibilities during a credible nuclear security event. Rather than remaining at the level of theory, the exercise emphasizes practical leadership, institutional coordination, and structured decision-making — the elements that ensure nuclear security systems function effectively in real operational environments. Open to professionals at all career stages, this session invites you to think critically, engage actively, and explore how nuclear security principles translate into real-world.

More information: https://win-global.org/groups-of-expertise/4843-2/

Reference Documents:

[1] International Atomic Energy Agency. (2021). CPPNM and its 2005 Amendment: Five questions and answers. IAEA. https://www.iaea.org/sites/default/files/21/04/cppnm-and-its-2005-amendment-five-questions.pdf

[2] International Atomic Energy Agency. (2011). Nuclear Security Recommendations on Physical Protection of Nuclear Material and Nuclear Facilities (INFCIRC/225/Revision 5). IAEA Nuclear Security Series No. 13. IAEA. https://www.iaea.org/publications/8629/nuclear-security-recommendations-on-physical-protection-of-nuclear-material-and-nuclear-facilities-infcirc225revision-5

[3] World Institute for Nuclear Security. (n.d.). Nuclear Security Culture: A WINS Practical Guide. World Institute for Nuclear Security. https://www.wins.org/document/nuclear-security-culture/

[4] World Institute for Nuclear Security. (n.d.). Security of nuclear material in transport: WINS international best practice guide. World Institute for Nuclear Security. https://www.wins.org/document/security-of-nuclear-material-in-transport/

WOMEN IN NUCLEAR REACTORS

SMR 2030: Navigating the Value Chain to Commercialization

This interactive workshop challenges participants to navigate the complex path of SMR commercialization, aligning advanced reactor technology, standardized regulation, and market demands for 2030 deployment. Through a "value chain" card exercise, you will map the critical journey from technological development to market entry, followed by a plenary debrief to identify key commercialization risks. Ideal for professionals seeking to define their strategic role in the nuclear value chain and contribute to the successful, real-world deployment of advanced nuclear technologies.

More information: https://win-global.org/groups-of-expertise/win-reactors/

Reference Documents:

[1] IAEA – Advanced Reactors Information System (ARIS)
[2] NEA – SMR Digital Dashboard
[3] IAEA – Advances in Small Modular Reactor Technology Developments (2024 Edition)
[4] NEA – SMRs for Replacing Coal: A Case Study Approach (2025)
[5] IAEA – Technology Roadmap for Small Modular Reactor Deployment