

▶▶ PATRAM22

BRINGING TRANSPORT TOGETHER



CALL FOR PAPERS

ABOUT PATRAM 2022

PATRAM 2022 will be held at the Nice Acropolis, in the beautiful city of Nice on the French Riviera from 28 August - 1 September 2022.

The PATRAM Symposia is the only international event dedicated to the exchange of information for packaging and transportation of radioactive materials and therefore presents a unique opportunity for the entire professional community as Industrials and Authorities.

We host an average of 800 participants distributed between plenary conferences, technical sessions, posters sessions and a technical competition with awards to be granted. The purpose of event is to gather at international level, industry experts, representatives of the competent authorities, governments and research organizations for scientific and technical exchanges purposes, in connection with all aspects related to packaging and transport of radioactive materials.



OUR PARTNERS



QUESTIONS?

If you have any questions please get in touch via our website patram.org or email emily@patram.org

SUBMITTING AN ABSTRACT

Authors are invited to propose papers for inclusion in PATRAM 2022 focusing on a broad range of technical, institutional and operational topics and matters. All submissions received by 31 December 2021 will be considered. Selection for inclusion in the PATRAM 2022 Symposium will be made based on the merits of the paper as judged by review of abstracts.

Papers may include, but are not limited to, the following topics:

- **Package Design, Package Performance and Safety & Security Analysis**
- **Operational Matters**
- **Institutional and Regulatory Environment**
- **Training and Education**

FORMAT

- Authors should indicate whether they intend to present their papers verbally or as a poster.
- Each abstract submitted for consideration must be in English.
- The abstract should succinctly describe the premise, substance, central findings and results or expected results of the paper.
- Abstracts should not exceed 350 words.
- Authors should indicate the topic they believe best represents their paper.

HOW TO SUBMIT AN ABSTRACT

- Abstracts must be submitted via the online abstract submission platform accessible via patram.org, from 18 October 2021. This online database will allow authors flexibility in submitting their abstracts.
- Abstracts must be submitted electronically by December 31, 2021.
- Complete all sections of the electronic submittal form. This information is important so that the Paper Selection Committee can contact you regarding the disposition of your paper.
- Final Papers are required from all presenters. Final papers deadline will be confirmed shortly. Instructions for submitting your paper will be sent with your author notification.

PATRAM 2022 TOPICS



1

Package Design, Package Performance and Safety & Security Analysis

This track includes Materials and Testing as well as Structural, Thermal, Shielding, Criticality, and Security Assessment. Within this track, presentations on but not limited to the following topics will be particularly encouraged:

- Digital design and analysis of packages (digital model, artificial intelligence...)
- Physical testing
- Modelling issues such as stakes, code qualification, design criteria for numerical approaches
- Ageing issues (package, content behaviour...)
- Dual Purpose Casks
- Manufacturing (bolts, welding, vessel...)
- How does transport self-evaluate/peer-evaluate during the overall process of licensing?
- Uranium hexafluoride package and transport
- Content specific safety aspects (high burnup spent fuel as well as hydrogen generation...)
- Security aspects (interface between safety and security)
- and any new ideas on Package Design, Package Performance and Safety & Security Analysis

In particular, some sessions of this track could focus on aspects in connection with the context of spent fuel management and dismantling operations as well as emergent topics (small modular reactors (SMR), advanced reactor fuel, high-assay low-enriched uranium (HALEU), transportable reactors...).

Track leader: Dr Frank Wille (BAM, Germany)

Track co-leader: Dr Edward Ketusky (SRNL/INMM, USA)



2

Operational Matters

This track is about the implementation of, and compliance with, and application of the safety and security transport regulations. It encompasses Tracking, Routing, Emergency Preparedness, Radiation Protection, Delays and Denials of Shipments. The topics could explore among others:

- Application of regulations and operational issues (CSI and TI, LSA, tie-down, stowage, etc.)
- Impact of changing material classification (A values, LSA-III, large objects...)
- Incident and accident reporting and documentation
- Safety and security operational interface
- How to master the safety requirements from design to effective transport, and to manage their modification during the lifecycle of the package
- Public acceptance and dialogue with stakeholders (local authorities and communities...),
- Emergency Preparedness and Response: emergency drills, influence of media / social media, etc.
- Transport, Storage and Disposal Interactions Issues (including Ageing Management)

Track leader: Ms Lisa Nallet (ORANO NPS)

Track co-leader: Mr Rick Boyle (US DOT)

**3**

Regulatory & Institutional Environment

This track covers regulations, codes and standards, as well as the activities of relevant institutions such as competent authorities, technical service organizations, national and international standards organizations, and international organizations. Specific items that may be addressed include but are not limited to the following topics within the regulatory and institutional environment:

- Advanced reactor and high assay low enriched uranium (HALEU) fuels
- Floating and transportable nuclear power plants
- Decommissioning of nuclear facilities
- Security challenges including tracking and routing
- Ageing mechanisms
- Approval process of package designs (e.g. review of full-digital design and analysis, bounding parameters for the contents of packages).

Track leader: Mr Eric Reber (IAEA)

Track co-leader: Dr Takuji Fukudu (NRA, Japan)

**4**

Training and Education

This track covers education and training for technical, including safety and security, and management issues in the nuclear packaging and transportation industry. The track will encompass several objectives, including but not limited to:

- Enhance public involvement to ensure decisions reflect stakeholder and community perspectives
- Advance ideas for knowledge sharing among nations (including emergent nations), such as developing training program for emerging countries
- Highlight a) innovative approaches for information, communication, education b) knowledge management approaches that develop the next generation of nuclear leadership
- improve responsive and professional skills management system considering equality, diversity and inclusion aspects as well as considerations on experience, qualification, registration and continuing professional development (e.g. professional accreditation internationally recognised)
- improvement of training programs (domestic/international), transition to virtual platforms for training
- Any new ideas on training and education.

Track leader: Dr James SHULER (US DOE)

Track co-leader: Mr Tony Grange (UK RAMTUC)