Preliminary

Programme

IRIS – RRFM – SMaRRt

20 - 24 April 2026

Leiden, The Netherlands

EUROPEAN NUCLEAR SOCIETY

The International Radioisotopes Supply Chain Meeting

IRIS

Monday 20 April 2026

9am – 11am **Opening Session: From Innovation to Implementation**

Chair: J.B. Zonneveld, NRG Pallas, The Netherlands

Welcome Address and Introductory notes by P. Luijten, NRG Pallas, The Netherlands

Interdependencies and challenges along the radioisotope supply chain
N. Mario, NucAdvisor, France

From PRISMAP to PRISMAP+: introducing emerging radionuclides for medical applications
U. Koester, ILL, France

Radionuclide production from bench to bedside – the example of Terbium 161
N. van der Meulen, PSI, Switzerland

The challenges of developing a radioisotope supply chain - Actinium-225
S. Van den Berghe, PanTera, Belgium

Establishing a reliable supply chain for Lutetium 177
N. Quigley, ITM Radiopharma, Germany

11am – 11.30am **Coffee Break**

11.30am – 1.00pm **Expanding Horizons**

Chair: **R. Eloirdi, JRC**
Introductory notes by the Chair

Radionuclides in industrial, agricultural, civil society and environmental applications
T. Bjornstad, University of Oslo, Norway

Radioisotope Use for Space Exploration and Developing a European Capability
S. Barron, ESA

Extraction of isotopes from waste – turning by-products into valuable resources
M. Poupinel-Descambres, ORANO, France

1.00pm – 2.00pm Lunch Break

2.00pm – 3.40pm Stable Isotope Separation Technology & Innovation in Infrastructure

Chair: S. Van den Berghe, PanTera, Belgium

Advancing Stable Isotope Separation - Technologies and Applications
L. Ashton, Urenco, UK
Building a Reliable Stable Isotopes Supply Chain for Quantum and Healthcare
L. Bigot, ORANO, France

- **Combined Q & A -**

Development and Characterisation of the ISOLPHARM Radionuclide Implantation Station at SPES	Serafini, D. (1); Chen, D. (2); Martello, M. G. (3); Corradetti, S. (3); Leso, A. (4); Li, Z. (5); Valli, G. S. (1); Arzenton, A. (2); Ballan, M. (3); Donzella, A. (6); Monetti, A. (3); Lunardon, M. (2); Moretto, S. (2); Mariotti, E. (1); Margotti, A. (7); Andrighetto, A. (3) 1 - University of Siena, Department of Physical Sciences, Earth and Environment, Italy 2 - University of Padua, Department of Physics and Astronomy, Italy 4 - University of Ferrara, Department of Physics and Earth Science, Italy 5 - INFN Padua, Italy 6 - University of Brescia, Department of Mechanical and Industrial Engineering, Italy 7 - INFN Bologna, Italy
Current and Planned Improvements to Radioisotope Production at Oak Ridge National Laboratory	Bryan, C. (1) 1 - Oak Ridge National Laboratory, United States
Isotope Harvesting at FRIB: Unique Infrastructure for Radionuclide Production	Vyas, C. (1); Severin, G. (1); Severin, G. (2) 1 - Facility for Rare Isotope Beams, Michigan State University, United States 2 - Department of Chemistry, Michigan State University, East Lansing, United States

3.40pm – 4.10pm Coffee Break

4.10pm – 5.50pm Target Production

Chair: B. Stepnik, Framatome, France

Target Preparation, Cross Section Reactions, and Side Products - Implications for the Supply Chain

F. Haddad, Arronax, France

Radiometal production with hybrid targets	Szikra, D. (1) 1 - Syniq Ltd, Hungary
Development of a process for recovering Ra 226 from legacy sources : a matter of sustainability and sovereignty for a European production of Ac225, a very promising radioisotope for cancer treatment	Moreau, C. (1); Feydi, P. (1); Brillon, A. (1); Celier, M. (1); Wagner, C. (1); Morlaes, I. (1); Morel, B. (1) 1 - ORANO, France
Separation and purification of Ag-111 from neutron-irradiated Pd targets	Karantoumanis, F. (1); Rovan Stiplošek, L. (1); Jaćimović, R. (1); Štrok, M. (1) 1 - Jožef Stefan Institute, Slovenia
Neutronic Evaluation of Ir-192 in SAFARI-1 research reactor	Chinaka, E. (1); Bonnanye, G. (1); Tchonang Pokaha, M. (1); Jacobs, C. (1) 1 - The South African Nuclear Energy Corporation (Necsa) SOC Ltd, South Africa

6.30pm – 9.00pm Evening Reception

Joint IRIS/RRFM Walking Dinner

A registration desk for arriving RRFM participants will be open from 5.00pm

Tuesday 21 April 2026

9am – 10.30am Opening Session RRFM 2026

Host Country Presentation: Newbuilt in the Netherlands - on the brink of a new nuclear era
G.J.L.M. de Haas, Chairman of the Netherlands Nuclear Society

ERVI: European Radioisotope Valley Initiative to secure the supply of medical radioisotopes in the European Union
G. Simeonov, European Commission

The DOE Isotope Programme
C. Landers, DOE (tbc)

10.30am – 11.00 am Coffee Break

11.00am – 12.40pm Irradiation (IRIS)

Chair : S. Van Dyck, SCK-CEN, Belgium

Particle Accelerator for Radioisotope Production - Building Global Supply Chains for a Growing Demand
J.M. Geets, IBA, Belgium

Simulation of Concrete Activation by a Cyclotron Source and the Economic Impact on Waste Disposal	Storms, J. (1); Vangansbeke, E. (1) 1 - Tractebel Engineering S.A., Belgium
Design of Research Reactors and Radioisotope Processing Facilities from a Radioisotope Supply Chain Perspective	Menbribe, M. E. (1); Cruz, M. L. (1); Wilkinson, M. V. (1) 1 - INVAP, Argentina
Moderator Assembly Design for Multi-isotope Production using high-yield D-T Neutron Generator	Saxena, A. (1); Swami, H. L. (1); Abhangi, M. (1); Vashi, V. (1); Vala, S. (1); Kumar, R. (1) 1 - Institute for Plasma Research, India
Establishing a Reactor-Based Radioisotope Program in Korea: Opportunities with the New Research Reactor	Lee, S.-K. (1) 1 - KAERI, Korea, Republic of

11.00am – 12.40pm Fuel Cycle I (RRFM)

Chair: K. Dunn, IAEA

Preliminary prediction of fuel thermal conductivity evolution in high-density silicide fuels	Ye, B. (1); Puig, F. (1); Mei, Z. (1); Kim, Y. S. (1); Park, G. (1); Shu, S. (1); Licht, J. (1); Wilson, E. (1); Yacout, A. (1); Leenaers, A. (2); Wight, J. (2) 1 - Argonne National Laboratory, United States 2 - SCK CEN, Belgium

STUDY OF ALUMINIUM OXIDATION MECHANISM OF MTR FUEL PLATES IN REACTOR CONDITIONS	Valdez Tordoya, D. (1); Haddad Andalaf, R. E. (1) 1 - Comisión Nacional de Energia Atómica, Argentina
3D printing innovative fuel manufacturing – HFIR and DISCOVARY fuel examples	Stepnik, B. (1); Clemencon, J. (1); Rontard, C. (1) 1 - FRAMATOME , France
Present status of regulatory compliance procedure in Japan for the Kindai University Reactor LEU Conversion Project	Hohara, S.-Y. (1); Shiga, H. (1); Sakon, A. (1); Sugiyama, W. (1); Yamada, T. (1); Wakabayashi, G. (1); Tabuchi, M. (1); Sugiura, N. (1); Nishimura, T. (1); Yamanishi, H. (1); Heltemes, T. A. (2); Stevens, J. G. (2); Stratton, C. D. (2); Kalimullah, M. (2); Lell, R. M. (2) 1 - Kindai University, Japan 2 - Argonne National Laboratory, United States
PreP-HALEU: Preparation works for establishing an HALEU production capacity in Europe	Gathmann, R. (1); Stepnik, B. (1); Termeau, L. (1); Prigniau, M. (2); Cochet, S. (2); Dion, F. (2); Geboes, B. (3); Wouters, A. (3); Whight, J. (3); Petry, W. (4); Hoermannsdorfer, M. (4); Klaasen, F. (5); Eriks-Sarkis, S. (5); De Boer-l'Istelle, A. (5); Migdal, M. (6); Nowakowski, P. (6); Gajewski, J. (6); Milcak, J. (7); Calzavara, Y. (8); Johnson, M. (8); Dupre, J. (8); Lacroix, J.-N. (9); Magimel, N. (9); Guillaut, E. (9); Syed, S. (10); Raekers, J. (10); White, P. (10); Host, V. (11); Kollegger, E. (11); Bonnet, J. (11); Hegeman, H. (12); De Lange, F. (12) 1 - Framatome, France 2 - CEA, France 3 - SCK CEN, Belgium 4 - TUM, Germany 5 – NRG Pallas, Netherlands 6 - NCBJ, Poland 7 - CV-REZ, Czech republic 8 - ILL, France 9 - Orano, France 10 - UNRENCO, Netherlands 11 - IRE, Belgium 12 - Mallinckrodt, Netherlands

12.40pm – 1.40pm Lunch Break

1.40pm – 3.00pm Target Processing and infrastructure (IRIS)

Chair : C. Vyas, Michigan State University, US

Enabling Efficient Radioisotope Production and Supply – Field Lab

M. Bogert, NRGPallas, The Netherlands

Industrial Manufacturing Process of AmO2 Powder from a Pu Solution: Separation, Conversion and Calcination	Prevost, T. (1); Kauric, G. (1); Bahri, M. (1); Brachon, C. (1) 1 - Orano Recycling, France
Parcoval project: Pd recovery from Spent Nuclear Fuels	Berenguer-Besnard, P. (1); Ropp, A. (2); Bahri, M. (3); Rougeaux, I. (4) 1 - Orano Recyclage, France 2 - Orano Support DRD, France 3 - Orano Recyclage, France 4 - CEA LITEN, France
Downstream Pb-212 purification for radiolabeling of Targeted Alpha Therapy (TAT) compounds	Marshall, S. (1); Villas Boas, C. (1); Henk, T. (1); Bushman, G. (1); Schmitz, J. (1); Verma, S. (1) 1 - TAG1, United States

1.40pm – 3.00pm Utilisation of Research Reactors I (RRFM)

Chair:

The subcritical reactor VR-2 and its experimental program	Rataj, J. (1); Fejt, F. (1); Hercik, M. (1) 1 - Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague, Czech Republic
First year of user-operation with a cold source for the Delft research reactor	Plomp, J. (1) 1 - Delft University of Technology, Netherlands
Experimental measurement of nuclear heating rate using a dual-sample CALORRE calorimeter prototype in the JSI TRIGA reactor	Volte, A. (1); Carette, M. (1); Slaoui, A. (1); Radulovic, V. (2); Snoj, L. (2); Lyoussi, A. (3); Reynard-Carette, C. (1) 1 - Aix Marseille Univ, Université de Toulon, CNRS, IM2NP, Marseille, France, France 2 - Reactor Physics Division, Jožef Stefan Institute, Ljubljana, Slovenia, Slovenia 3 - CEA, DES, IRESNE, DER, France
The Day as a Reactor Physicist at VR-1 reactor for High school students	Novak, O. (1); Frybortova, L. (1); Rataj, J. (1) 1 - Czech Technical University in Prague, Czech Republic

3.00pm – 3.30pm Coffee Break

3.30pm – 4.30pm Reduction of the A2 value in the transportation of radioisotopes (IRIS)

Chair: R. Baranczyk, Euratom Supply Agency

The Scientific Background

N.N., IAEA

An Industry View

R.W. Brown, Nuclear Medicine Europe (NMEU)

Combined Q & A and Discussion -

3.30pm – 4.30pm Student Competition (RRFM) & PhD Award of the ENS High Scientific Council

Chair: S. van Dyck, SCK-CEN, Belgium; E. Proust, ENS High Scientific Council

On the Physics of a Core Disruptive Accident in a Heavy Liquid Metal Fast Reactor | Case Study: MYRRHA

Đ. Petrović, University of Leuven, Belgium

Following the presentation, the ENS High Scientific Council PhD Award will be formally conferred.

Student Competition

Improving Reactivity Insertion Accident Simulations of the VR-1 Research Reactor: Control System Response and SCRAM Delay in RELAP5	Mátl, J. (1) 1 - Department of Nuclear Reactors, Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prag, Czech Republic
Molybdenum disulfides (MoS2) materials for a low-specific activity Mo-99/Tc-99m generator	Gauri, G. (1); Denkova, A. (1); De Kruijff, R. (1) 1 - Delft University of Technology, Netherlands
Increasing 166Ho Specific Activity through the Szilard-Chalmers Effect in 165Ho-Loaded Zeolites A and Y	Spruit, E. (1); Djanashvili, K. (1); De Kruijff, R. (1) 1 - Applied Radiation and Isotopes, Delft University of Technology, Netherlands
Design and Proof-of-Concept Development of a Precision Measurement System for Fuel Plate Inspection	Sperry, E. (1); Fuentes Rodriguez, D. (2); Maier, A. (3); Lansing, C. (4); Koralewski, A. (5); Mcneff, P. (6); Catalan, M. (6) 1 - University of Washington, United States 2 - Florida International University, United States 3 - The Ohio State University, United States 4 - Washington State University Tri-Cities, United States 5 - Carroll College, United States 6 - National Security Directorate, Pacific Northwest National Laboratory, United States
Thermo-Mechanical Characterisation of a Uranium Alloy for Nuclear Research Reactors	Guyot, B. (1); Touzin, M. (2); Béclin, F. (2); Stepnik, B. (3); Medyk, L. (3) 1 - Framatome / Univ. Lille, UMR 8207 - UMET - Unité Matériaux et Transformations, France 2 - Univ. Lille, UMR 8207 - UMET - Unité Matériaux et Transformations, France 3 - Framatome, France
Implementation of the Cooling Circuits of FissionIST	Lourenço, A. (1); Marques, J. (1) 1 - Centro de Ciências e Tecnologias Nucleares, Instituto Superior Técnico, Portugal
Assessment of Pool Activation in the Portuguese Research Reactor (RPI) for Decommissioning Using Monte Carlo Simulations	Vítor, C. M. (1); Marques, J. G. (1) 1 - Centro de Ciências e Tecnologias Nucleares, Instituto Superior Técnico, Portugal

Development of a new data processing tool dedicated to the calibration of calorimeter prototypes using a LabVIEW environment	Preite, R. (1); Volte, A. (1); Carette, M. (1); Radulovic, V. (2); Snoj, L. (2); Lyoussi, A. (3); Reynard-Carette, C. (1) 1 - Aix Marseille Univ, Université de Toulon, CNRS, IM2NP, France 2 - Reactor Physics Division, Jožef Stefan Institute, Slovenia 3 - CEA, DES, IRESNE, DER, France
First nuclear heating measurements in stainless steel and tungsten at a fixed axial position in the JSI TRIGA reactor thanks to a dual-sample CALORRE calorimeter	Slaoui, A. (1); Volte, A. (1); Carette, M. (1); Radulovic, V. (2); Snoj, L. (2); Lyoussi, A. (3); Reynard-Carette, C. (1) 1 - Aix Marseille Univ, Université de Toulon, CNRS, IM2NP, France 2 - Jožef Stefan Institute, Slovenia 3 - CEA, DES, IRESNE, DER, France
Thermally Driven Corrosion and Its Oxide–Acoustic Fingerprints as Diagnostic Indicators of Ageing in TRIGA Research Reactor Tank Liners	Trisnawan, V. (1); Basuki, P. (2); Wafda, H. (3); Himawan, R. (2); Kurniadi, D. (1) 1 - Faculty of Industrial Technology, Bandung Institute of Technology, Indonesia 2 - Directorate of Nuclear Facility Management, National Research and Innovation Agency, Indonesia 3 - Research Organization for Nuclear Energy, National Research and Innovation Agency, Indonesia

4.30pm – 5.10pm Poster Session

IRIS

Multi-Location Chemical Characterization of Argan Kernel in Morocco by Neutron Activation Analysis: Application and Calibration of HPGe Detector via MCNP Simulation	Badague, A. (1); Bounouira, H. (2); Aarab, I. (1); Elmahjoub, C. (1); Amsil, H. (2) 1 - ibn Tofail University, Morocco 2 - CNESTEN, Morocco
Toward Isotope Sovereignty: Transforming Jordan's JRTR into a Premier Regional Hub for I-131, Ir-192, and Ho-166 Production and Distribution to Europe	Harahshah, K. (1) 1 - Jordan Nuclear Reactor for Research and Training, Jordan
On Proton irradiation and transmutation implementation on PyNE-Python library.	Natali, G. (1); Velazquez, D. (2); Plata, C. (2); Pille, G. (1) 1 - Apollo Generators, France 2 - Salomea Solutions, United States

RRFM

Safety Analysis and Licensing of the Low Power Research Reactor (LPRR)	Alshehri, S. (1); Alzahrani, S. (1); Aldawood, S. (1) 1 - King Abdulaziz City for Science and Technology , Saudi Arabia
Building a robust safety culture for construction research reactor in an emerging nuclear country	Alshehri, S. (1); Alzahrani, S. (1); Almathami, A. (1) 1 - King Abdulaziz City for Science and Technology , Saudi Arabia
AI-Driven Hydrogen Risk Diagnosis in Severe Accidents of Pressurised Water Reactor Nuclear Power Plants.	Okonkwo, I. J. (1); Yang , X. (1); Yuan , Y. (2) 1 - Tsinghua University, China 2 - China Nuclear Power Engineering Co., Ltd , China

On a High-Resolution Neutron Scattering Studies of Substructure of TiAl Polycrystalline Alloys	Mikula, P. (1); Michalcová, A. (2); Ryukhtin, V. (1) 1 - Nuclear Physics Institute CAS, Czech Republic 2 - Dept. of Metals and Corrosion Engineering, Uni. of Chemistry and Technology, Czech Republic
A Deep Learning Framework for Breeding Ratio Optimization of IMR-13	Sumarno, A. (1) 1 - Tsinghua University, China
The Educational Impact of Research Reactor Experiences on Students' Perception of Nuclear: The INSPIR Project	Canziani, L. (1); Grosso, G. (1); Fabiano, M. (1); Gandini, A. (2); Pepe, G. (3); Salvini, A. (2) 1 - Department of Chemistry, University of Pavia, Italy 2 - Laboratorio Energia Nucleare Applicata (L.E.N.A.), University of Pavia, Italy 3 - Fondazione IRCCS Policlinico San Matteo, Pavia, Italy
A Study on Irradiation Test of Innovative Research Reactor Fuel in HANARO and its PIE Results	Park, D. J. (1); Cho, T. W. (1); Jeong, G. Y. (1); Tahk, Y. W. (1); Park, J. M. (1); Kim, H. M. (1); Jeong, Y. J. (1) 1 - Korea Atomic Energy Research Institute, Korea, Republic of
Presentation of PLEIADES/MAIA MTR fuel performance code	Marois, G. (1); Lorenzo, D. (1) 1 - CEA (Commissariat à l'énergie atomique et aux énergies alternatives), France
THE INFLUENCE OF NEUTRON POPULATION SETTINGS IN DEPLETION CALCULATIONS FOR THE 'HOR' WITH SERPENT 2	Winkelman, A. (1); Hut, T. (1); Kaaijk, C. (1) 1 - Hoger Onderwijs Reactor, Delft University of Technology, Netherlands
The role of an owner engineer in a new-build research reactor project	Ivanovic, S. (1) 1 - Tractebel, Belgium
REGULATORY GUIDANCE IN REACTOR OPERATOR TRAINING AND LICENSING	Moreno Cuahquentzi, N. (1) 1 - Organismo Internacional de Energía Atómica (OIEA), Mexico
The Synthesis and Characterization of U-6%Nb Alloy	Freire, G. (1); Riella, H. (2) 1 - Instituto de Pesquisas Energéticas e Nucleares - IPEN, Brazil 2 - Universidade Federal de Santa Catarina - UFSC, Brazil
Design and Safety Assessment of Irradiation Test for i-SMR Control Rod in HANARO	Park, J. (1); Yang, S. W. (1); Sung Jae, P. (1); Jong Woo, K. (1); Ye Eun, N. (1); Yeonsoo, N. (2); Daewoon, C. (2) 1 - Korea Atomic Energy Research Institute, Korea, Republic of 2 - KEPCO Nuclear Fuel, Korea, Republic of
Plan and Current Status of Thermal-Hydraulic Safety Analysis of the New Research Reactor to be Installed at the Monju Site in Japan	Nagatake, T. (1); Tsumura, T. (1); Izawa, K. (1); Arai, M. (1) 1 - Japan Atomic Energy Agency, Japan
Benchmarking the LPRR Licensing Approach with Global Research Reactor Approaches	Natto, O. (1); Al Harbi, T. (1); Watson, D. (1) 1 - King Abdullah City for Atomic and Renewable Energy - KACARE, Saudi Arabia
Preliminary Study on Water Radiolysis of High-Flux Research Reactor	Huang, Y. (1); Qu, X. (1); Li, J. (1) 1 - Tsinghua University, China
Ageing Management applied from design stage	Cocco, R. (1); Rossi, G. (1); Petriw, S. (1) 1 - INVAP S.A.U., Argentina
Feasibility to Increase the Excess Reactivity of the BME Training Reactor	Horváth, A. (1) 1 - Budapest University of Technology and Economics, Hungary

Budapest Neutron Centre	Dudás, Z. (1); Baranyai, R. (1); Fehér, Á. (1); Gméling, K. (1); Kasztovszky, Z. (1); Len, A. (1); Markó, M. (1); Maróti, B. (1) 1 - Budapest Neutron Centre, Institute for Energy Security and Environmental Safety, HUN-REN Centre for Energy Research, Hungary
Irradiation optimisation of Ir-192 sealed sources in the MARIA research reactor, with particular focus on obtaining low-activity sources.	Prokopowicz, R. (1); Konior, M. (2); Kuczkowska, A. (2); Biała, E. (2); Cybowska, J. (1); Madejowski, G. (1); Ziemba, M. (1) 1 - The MARIA Reactor Operations Department, NCBJ, Poland 2 - Production Department, NCBJ OR Polatom, Poland
Supporting countries implementing their Research Reactor program - Feedback from four projects, three vendors over the past decade	Girard, J. P. (1); Vallée, A. (1); Buisson, M. (1) 1 - NucAdvisor, France
Localization of Peak Fuel Temperatures in the Multi-Layer Tubular Fuel Assemblies of the Budapest Research Reactor	Sebó, P. L. (1) 1 - HUN-REN EK, Hungary
APPLICATION OF PLTEMP/ANL V4.4 FOR CYCLE-SPECIFIC SAFETY PARAMETER EVALUATION OF THE SAFARI-1 RESEARCH REACTOR	Tshipuke, R. (1); Prinsloo, R. (1); Khoza, S. (1); Nkoenyane, I. (2) 1 - Necsa, South Africa 2 - North West University, South Africa
Deploying molten salt reactors to combat the global stratification of infrastructure and advanced medicine	Shoultz, J. (1); Czerwinski, K. (1) 1 - University of Nevada, Las Vegas, United States
FROM NEUTRONS TO THERAPY: CONCEPTUAL DESIGN FOR THE PRODUCTION OF NCA 177LU AT THE MARIA RESEARCH REACTOR	Konior, M. (1); Biała, E. (1); Kuczkowska, A. (1) 1 - Production Department, NCBJ OR Polatom, Poland
Advances in STAT7 v2.0 – Steady-State Thermal Hydraulics Software for Research Reactors With Uncertainty Propagation Using Monte Carlo	Wilson, G. (1); Yang, S. (1); Yoon, D. (1); Wang, G. (1); Hu, L.-W. (2); Thomas, J. (1); Wilson, E. (1) 1 - Argonne National Laboratory, United States 2 - Massachusetts Institute of Technology, United States
Advances in PLTEMP/ANL Code and Application for Design and Safety Analysis of Research Reactors	Kalimullah, M. (1); Son, H. M. (1); Olson, A. (1); Feldman, E. (1); Thomas, J. (1); Licht, J. (1) 1 - Argonne National Laboratory, United States
Structural Analysis of HFIR HEU Plate in Reactor Conditions	Ross, M. (1); Shehu, K. (2); Sitek, M. (3) 1 - Oak Ridge National Laboratory, United States 2 - Technical University of Munich, Germany 3 - Argonne National Laboratory, United States
Irradiation Behavior of High-density Atomized U3Si2 Fuel Assembly in BR2	Cho, T. W. (1); Jeong, Y. J. (1); Park, D. J. (1); Park, J. M. (1); Wight, J. (2); Acevedo, B. (2); Ann, L. (2) 1 - Korea Atomic Energy Research Institute (KAERI), Korea, Republic of 2 - Belgian Nuclear Research Centre (SCK CEN), Belgium

5.10pm – 6.30pm Transport (IRIS)

Chair :

Connecting the Dots - Transportation as the Backbone of the Radioisotope Supply Chain
H. Van De Maele, PHSE International, Belgium

Challenges and Opportunities for Automation and Data Analytics in the Radioisotope Supply Chain.	Alcala, C. L. (1); Massera, J. R. (1) 1 - INVAP, Argentina
COMPARATIVE EVALUATION OF DEPLETED URANIUM CASKS FOR THE TRANSPORT OF LUTETIUM-177	Jacobs, C. (1); Bedhesi, L. (1); Chinaka, E. (1); Setlhare, A. (2) 1 - South African Nuclear Energy Corporation (Necsa), South Africa 2 - North West University, Potchefstroom Campus, South Africa
Optimal Production Scheduling and Distribution of a Medical Radioisotope Under Uncertainty	Nguyen, T. (1); Arts, J. (2); Seranillla, B. K. (2) 1 - SCK CEN, Belgium 2 - University of Luxembourg, Luxembourg

5.10pm – 6.30pm Advancing PALLAS (RRFM)

Chair:

DETERMINISTIC SAFETY METHODOLOGY FOR THE PALLAS-REACTOR	Franssen, S. (1); Vega, C. (1) 1 - NRG PALLAS, Netherlands
Research Rigs design for the PALLAS reactor	Knol, S. (1); Boomstra, D. (1); Beck, R. (1); Grismanovs, V. (1) 1 - NRG PALLAS, Netherlands
Modelling the consequences of atmospheric radiological releases from the PALLAS reactor	Van Oudenaren, G. (1); Soubourou, P. (1) 1 - NRG PALLAS, Netherlands
PVISOR - A PYTHON LIBRARY FOR PROCESSING NUCLEAR SAFETY CODE OUTPUT	Franssen, S. (1); Verdonschot, B. (1); Breijder, P. (1) 1 - NRG PALLAS, Netherlands

Wednesday 22 April 2026

SMR-AMR and R&D: Innovating Together
-SMaRRt –

9am – 10.30am **Opening Session - Clearing the hurdles: Safety, Licensing, and Support Frameworks for SMR Deployment**

Chair: S. Monti, European Nuclear Society

European Commission SMR IA: Present Status and Key Issues
B. Salha, SNETP

Critical Challenges for Innovative Reactor Technologies
F. Reitsma, IAEA

Rolls-Royce – Towards reactor licensing: progress and challenges
S. McFarlane Smith (tbc)

Advancing U.S. Reactor Demonstrations: An Overview of the 2025–2026 Pilot Program
N.N. , DOE (tbc)

10.30am – 11.00am **Coffee Break**

11.00am – 12.30pm **Joining Competences to Overcome Critical Challenges in Fuel Development (SMaRRt)**

Chair:

Overview on developments for advanced fuel, with a specific focus on HTR project development
O. Tougait, Framatome

Progress and timeline for Molten salt fuel manufacturing and reprocessing
E. CAPELLI, ORANO

Thorizon's developments related to fuel development
S. de Groot, Thorizon

Eagle 300: recent advances in fuel development
M. Frignani, Ansaldo

Each presenter will give a presentation of 10 minutes, followed by a Panel Discussion with all presenters.

11.00am – 12.30pm Research Reactor Safety and Security I (RRFM)

Chair:

Functional Tests on Reactor Systems as the "Avant-Première" of Commissioning in Research Reactors	Masriera, N. (1); Doval, A. (1); Drexler, J. (1) 1 - INVAP S.A.U., Argentina
Research on Thermodynamic Characteristics in Flow Blockage Accidents of Tsinghua High-Flux Reactor	Zhang, J. (1); Xie, H. (1); Shi, L. (1) 1 - Institute of Nuclear and New Energy Technology, Tsinghua University, China
Cybersecurity and Functional Safety in Research Reactor I&C Systems and Functional Safety in Research Reactor I&C Systems	Edeh, N. (1); Waedt, K. (1) 1 - Framatome GmbH, Germany
APPROACH FOR A UNIFIED LIST OF INITIATING EVENTS FOR RR	Du, Z. (1); Kowalik, M. (1); Mateos Canals, I. (1); Parente, G. (1); Steinrötter, T. (1); Wenke, R. (1) 1 - GRS gGmbH, Germany

12.30pm – 1.30pm Lunch

1.30pm – 2.50pm Addressing Reactor Design and Technology Challenges (SMaRRt)

Chair:

Industrializing sodium-cooled fast reactors for a carbon-free future
C. Bisor, HEXANA, France

Licensing of a novel nuclear test facility for the safe testing of new reactor concepts - A project by Copenhagen Atomics and PSI
M. Streit, PSI, Switzerland

LEANDREA - Advancing the design for timely realization
M. Greco, SCK-CEN, Belgium

Advances in Lead Cooled Reactor Safety, Materials, and Instrumentation (tbc)
N.N. Newcleo

1.30pm – 2.50pm RRFM Parallel Session I: Decommissioning and dismantling of research reactors and waste management

Chair: I. Vidovszky, HUN-REN-CER, Hungary

FIR 1 RESEARCH REACTOR DECOMMISSIONING: FINAL DISPOSAL OF THE WASTE	Kaisanlahti, M. (1); Oinonen, V. (1) 1 - Fortum Power and Heat Oy, Finland
FIR 1 RESEARCH REACTOR DECOMMISSIONING LESSONS LEARNED	Oinonen, V. (1) 1 - Fortum, Finland

Low-Level Waste Classification with Convolutional Neural Networks	Li, T. (1); Li, Z. (1) 1 - Department of Civil Engineering, McMaster University, Canada
Long-term tests on metal seals in the compressed state and numerical simulation of thermomechanical behaviour	Sagradov, I. (1); Jaunich, M. (1); Kandemir, T. (2); Drobniewski, C. (2); Wolff, D. (1) 1 - Bundesanstalt für Materialforschung und -prüfung (BAM), Germany 2 - Bundesamt für die Sicherheit der nuklearen Entsorgung (BASE), Germany

1.30pm – 2.50pm **RRFM Parallel Session II: : Research reactor operation & maintenance and ageing management I**

Chair:

Asset Management features for a Research Reactor	Petriw, S. (1); Rossi, G. (1); Roxana, C. (1) 1 - INVAP S.A.U., Argentina
Investigation of Irradiated Aluminium Alloys for Research Reactors: Insights from the first year of the Horizon Europe MAGIC-RR Project	Kolluri, M. (1); Naziris, F. (1); Francois, P. (2); Szenthe, I. (3); Dommelen, J. A. W. V. (4); Gonzalez-Garcia, Y. (5); Radiguet, B. (6); Bagot, P. (7); London, A. (8); Namburi, H. (9); Mostert, J. (10) 1 - NRG PALLAS, Netherlands 2 - CEA, France 3 - HUN-REN-CER, Hungary 4 - Eindhoven University of Technology, Netherlands 5 - TU Delft, Netherlands 6 - University of Rouen, France 7 - University of Oxford, United Kingdom 8 - UKAEA, United Kingdom 9 - CNL, Canada 10 - NECSA, South Africa
Ageing Management Strategies for Long-Term Operation of the PARR-1 Research Reactor Civil Structures	Nasir, U. (1); Mustafa, T. (1) 1 - Pakistan Atomic Energy Commission, Pakistan
Enhancing PARR-1 & PARR-2 Operations and Maintenance with Artificial Intelligence and Machine Learning Approach	Ali, M. (1) 1 - Pakistan Institute of Nuclear Science and Technology (PINSTECH), Pakistan

2.50pm – 3.20pm **Coffee Break**

3:20pm –5.20pm **R&D Support for Testing and Safety Assessment (SMaRRt)**

Chair:

Advancing MSR Technology: The Copenhagen Atomics-PSI Molten Salt Experiment - Progress Since RRFM 2025	Pavel, P. (1); Streit, M. (1); Stubsgaard, A. (2); Swalwell, G. (2); Chierici, L. (2); Pautz, A. (1) 1 - Paul Scherrer Institut, Switzerland 2 - Copenhagen Atomics A/S, Switzerland

HITEC – In-pile Creep evaluation for materials of advanced reactors	Laot, M. (1); Hania, R. (1); Naziris, K. (1); Fedorov, S. (1); Elenbaas, J. (1); Rossouw, D. (1); Kronenberg, T. (1) 1 - NRG PALLAS, Netherlands
Fuel Irradiation Testing Capabilities at BR2 for Small Modular Reactors	Boer, B. (1); Bosch, R.-W. (1); Bonny, G. (1); Verwerft, M. (1) 1 - SCK CEN (Belgian Nuclear Research Centre), Belgium
Impact of Corrosion and Estimation of Effective Corrosion Depth in 15-15Ti Cladding Tubes Using the Small Punch Test Technique	Holmstrom, S. (1); Simonovski, I. (2); Nindiyasari, F. (3) 1 - SCKCEN, Belgium 2 - JRC, Joint Research Centre, Netherlands 3 - NRG PALLAS, Netherlands
Analysis and preparation of the methodology for assessing the placement of small and medium reactors in the Czech Republic conditions	Novak, O. (1); Kozic, J. (1); Frantova, M. (1); Stemberk, P. (1); Rastislav, M. (1); Zemanova, A. (1); Vojackova, J. (2); Hroch, T. (3); Jelínek, J. (3) 1 - Czech Technical University in Prague, Czech Republic 2 - Brno University of Technology, Czech Republic 3 - Czech Geological Survey, Czech Republic
A Comparative Analysis of Thermal Design Predictions and In-Pile Temperature Measurements for High-Temperature Neutron Irradiation Testing of Materials in HANARO	Kim, J. W. (1); Yang, S. W. (1); Park, J. (1); Choo, K. N. (1) 1 - Korea Atomic Energy Research Institute, Korea, Republic of

SMaRRt - Poster

Irradiation Performance of Ni-base Structural Alloys for Applications in Molten Salt Nuclear Reactors	Naziris, K. (1); Marques Pereira, V. (1); Hania, R. (1); Rossouw, D. (1) 1 - NRG PALLAS, Netherlands
Pre-Feasibility Study of Uranium Silicide-Aluminium Dispersion Fuel as an Alternative Fuel in WWR-K Research Reactor	Sairanbayev, D. (1); Shaimerdenov, A. (1); Gizatulin, S. (1) 1 - Institute of Nuclear Physics, Kazakhstan

3:20pm –5.20pm RRFM Parallel Session I: Research reactor safety and Security II

Chair:

SAFARI-1 PSR and SALTO Approach to justify Long Term Operation beyond 65 years	Malaka, S. (1) 1 - Necsa-SAFARI-1 , South Africa
FRM II RELAP5 MODEL DEVELOPMENT	Ozar, B. (1); Puig, F. (1); Licht, J. (1); Bergeron, A. (1); Reiter, C. (2); Shehu, K. (2); Bonete-Wiese, D. (2); Schonecker, R. (2); Schlitt , T. (2); Mercz, J. (2) 1 - Argonne National Laboratory, United States 2 - Forschungs-Neutronenquelle Heinz Maier-Leibnitz (FRM II), Technische Universitat Munchen, Germany

FLUIDIC VORTEX DIODES: THE DESIGN TO SAFETY ASSESSMENT	Bellino, F. (1); Petrini, T. (1); Lazarte, A. (1); Doval, A. (1); Carlevaris, R. (1); Franzé, B. (1) 1 - INVAP, Argentina
Periodic Safety Review of HANARO Research Reactor	Doo, S. (1); Hong, S. (1); Shin, J. (1) 1 - Korea Atomic Energy Research Institute, Korea, Republic of
HOT or NOT: Decay Heat Assessment in MARIA Reactor - Computer Simulations Versus Experimental Measurements	Cybowska, J. (1); Machtyl, T. (1); Marcinkowska, Z. (1); Warszakowski, A. (2) 1 - National Centre for Nuclear Research, Poland 2 - Gdańsk University of Technology, Poland
Safety Assessment of TRIGA Fuel Integrity During Full Coolant Loss Using CFD Simulations	Kutbay, F. (1); Şentürk Lüle, S. (1) 1 - İstanbul Technical University, Turkey

3:20pm –4.40pm RRFM Parallel Session II: Utilisation of Research Reactors II

Chair:

Validation of MCNP6 and FISPACT-II calculations to predict the activation of selected beta emitters produced in the Budapest Research Reactor	Maróti, B. (1); Kis, Z. (1); Buczkó, N. A. (1); Buczkó, N. A. (2); Gméling, K. (1); Szentmiklósi, L. (1) 1 - Budapest Neutron Centre, Institute for Energy Security and Environmental Safety, HUN-REN Centre for Energy Research, Hungary 2 - Hevesy György PhD School of Chemistry, ELTE Eötvös Loránd University, Hungary
Analysis of the Neutronic and Thermal–Hydraulic Characteristics of Radioisotope Irradiation Targets in High-Flux Research Reactors	Boyi, Y. (1); Lei, S. (1); Jian, L. (1) 1 - Institute of Nuclear and New Energy Technology, Tsinghua University, China
The Role of Low-Power Reactors in Radionuclide Production: Advancements and Educational Impact at LENA	Canziani, L. (1); Grosso, G. (2); Gandini, A. (2); Alloni, D. (2); Pepe, G. (1); Salvini, A. (2) 1 - Fondazione IRCCS Policlinico San Matteo, Pavia, Italy 2 - Laboratorio Energia Nucleare Applicata (L.E.N.A.), University of Pavia, Italy
NEUTRONIC OPTIMIZATION OF MEDICAL RADIOISOTOPES PRODUCTION IN MULTIPURPOSE RESEACH REACTOR	Sarabia, H. G. (1); Bastidas, A. (2); Cruz, M. L. (1); Hergenreder, D. (1) 1 - INVAP SAU, Argentina 2 - INSTITUTO BALSEIRO, Argentina

7.30pm – 0.00am Conference Dinner

Thursday 23 April 2026

8.40am-10.40am RRFM Parallel Session I: Fuel Cycle II

Chair: B. Stepnik, Framatome, France

New Experiment Device for Full-Size Research Reactor Fuel Configurations for irradiation in BR2 under Tailored Thermal Hydraulic and Neutronic Conditions	Rossaert, B. (1); Wight, J. (1); Capriotti, L. (1) 1 - SCK CEN, Belgium
IAEA Support for Research Reactor Fuel Cycle Programmes – Achieving Safe, Secure, and Sustainable Fuel Cycle Solutions	Dunn, K. (1); Chakrov, P. (1); Martin, J.-F. (1) 1 - International Atomic Energy Agency, Austria
HIGH FLUX ISOTOPE REACTOR LOW-ENRICHED URANIUM CONVERSION PROGRESS	Sizemore, C. (1); Chandler, D. (2); Hartanto, D. (2); Robert, Y. (2); Burg, K. (1); Holzaepfel, A. (1); Bae, J. W. (2) 1 - Oak Ridge National Laboratory - Research Reactors Division, United States 2 - Oak Ridge National Laboratory - Nuclear Energy and Fuel Cycle Division, United States
Neutron performance of U-Mo fuel using isotopically modified molybdenum	Blanchet, D. (1) 1 - CEA Cadarache, DES/IRESNE/DER, France
Safety assessment overview for BR2 LEU conversion	Wols, F. (1); Wight, J. (1); Van den Branden, G. (1); Van Dyck, S. (1) 1 - SCK CEN, Belgium
FUTURE-MONO 1 U-10Mo monolithic fresh fuel characterization	Medyk, L. (1); Monier, L. (1); Buniazet, Z. (1); Stepnik, B. (1); Rontard, C. (1); Rodriguez Doring, A. (1); Gathmann, R. (1); Wight, J. (2); Holmström, S. (2); Baumeister, B. (3); Reiter, C. (3); Petry, W. (3); Calzavara, Y. (4); Rodier, M. (5); Federici, E. (5) 1 - Framatome, France 2 - Nuclear Material Science Institute, SCK-CEN, Belgium 3 - Forschungs-Neutronenquelle Heinz Maier-Leibnitz (FRM II) Technische Universität München, Germany 4 - Institut Laue-Langevin (ILL), France 5 - CEA, DEN, DEC, France

9.00am-10.40am RRFM Parallel Session II: Utilisation of Research Reactors III

Chair: P. Chakrov, IAEA

Design and Characterization of an Enriched Molten Salt Fuel Capsule Irradiation Experiment	Downey, C. (1); Karlsson, T. (1); Abou-Jaoude, A. (1); Kropp, M. (1); Wamann, S. (1) 1 - Idaho National Laboratory, United States
Design and Computational Analysis of a Fusion-Relevant Tritium Breeding Experiment Using Lithium Pebbles at the OSU Research Reactor	Altamimi, R. (1) 1 - Oak Ridge National Laboratory, United States

Conceptual Design of Fuel Testing Oriented Irradiation Loop for MARIA Reactor	Prokopowicz, R. (1); Migdal, M. (1) 1 - National Centre for Nuclear Research, Poland
Comparison of MCNP and Serpent calculations of radiation heatings	Belko, B. (1); Pinta, J. (1) 1 - Research Centre Řež, Czech Republic

10.40pm – 11.00am Coffee Break

11.00am-12.40am RRFM Parallel Session II: Fuel Cycle III

Chair:

Design studies of the IGR reactor conversion	Irkimbekov, R. (1); Surayev, A. (1); Zhanbolatov, O. (1); Gnyrya, V. (1) 1 - Branch Institute of Atomic Energy RSE NNC RK, Kazakhstan
Advancing LEU Fuel Systems for High-Power Research Reactor Conversion: Insights from the EU-QUALIFY Project	Holmstrom, S. (1) 1 - SCKCEN, Belgium
UMo monolithic fuel plates manufacturing for TUM reactor conversion	Monier, L. (1); Lemetais, M. (1); Medyk, L. (1); Allenou, J. (1); Reiter, C. (2); Schwarz, C. (3); Lomp, N. (2); Shehu, K. (2); Shi, J. (2); Baumeister, B. (3); Merle, J. (1); Grasse, M. (1); Dardinier, J. (1); Teppe, A.-L. (1); Stepnik, B. (1) 1 - Framatome CERCA, France 2 - Chair of Applied Nuclear Technologies, School of Engineering and Desing, Technische Universität München, Germany 3 - Forschungs-Neutronenquelle Heinz Maier-Leibnitz (FRM II), Technische Universität München, Germany
Structural Design and Analysis of the MITR-III for HALEU Conversion	Foxen, M. (1) 1 - Massachusetts Institute of Technology, United States
Operational Experience in a Wet Storage Facility for Research Reactor Spent Nuclear Fuel	Ferrero, V. C. (1); Flores, M. G. (1) 1 - CNEA, Argentina

11.00am-12.40am RRFM Parallel Session II: Utilisation of Research Reactors IV

Chair:

Expanding Neutron Beam Capabilities at Low- and Medium-Flux Neutron Sources	Semkova, V. (1); Vargas, E. (1); Ridikas, D. (1) 1 - International Atomic Energy Agency, Austria
Research Reactor Outreach Program - A Collaboration between the International Atomic Energy Agency and the University of Texas	Landsberger, S. (1); Charlton, W. (1); Egozi, T. (2); Vargas, E. (3); Khalaileh, L. (4) 1 - University of Texas at Austin, United States 2 - Educational Consultant, United States 3 - International Atomic Energy Agency, Austria 4 - Jordan Atomic Energy Commission, Jordan

The effect of high-temperature neutron irradiation on the corrosion resistance of beryllium and chromium beryllide	Shaimerdenov, A. (1); Kulsartov, T. (2); Askerbekov, S. (1); Akhanov, A. (1); Aitkulov, M. (1); Sairanbayev, D. (1); Podoinikov, M. (3) 1 - The Institute of Nuclear Physics, Kazakhstan 2 - Satpayev University, Kazakhstan 3 - Ulba metallurgical plant, Kazakhstan
Experience in Minimization of Sample Heating During Neutron Irradiation in the Research Reactor	Prokopowicz, R. (1); Madejowski, G. (1); Bąk, Ł. (1); Murawski, Ł. (1); Tuszyński, R. (1); Ziemba, M. (1); Wojtania, G. (1); Wielgosz, M. (1); Furnańczyk, D. (1); Gryc, A. (1); Knake, N. (1); Lechniak, J. (1) 1 - National Centre for Nuclear Research, Poland

12.40pm – 1.40pm Lunch Break

1.40pm-3.00pm RRFM Parallel Session I: New Research Reactor Projects I

Chair:

Utilization and Human Capital Building for the Saudi Low Power Research Reactor (LPRR)	Alshehri, S. (1); Alzahrani, S. (1) 1 - King Abdulaziz City for Science and Technology , Saudi Arabia
New Research Reactor Program at the “Monju” Site, Japan	Sasa, T. (1) 1 - Japan Atomic Energy Agency, Japan
Experimental validation studies for the Kijang Research Reactor	Kim, S. H. (1); Park, K.-J. (1) 1 - Korea Atomic Energy Research Institute, Korea, Republic of
Key considerations in project scoping and procurement strategy for new build research reactors aimed at isotope production and nuclear technology research	Narasimhamurthy, D. (1) 1 - Tractebel Engineering B.V., Netherlands

1.40pm-3.00pm RRFM Parallel Session II: Research reactor operation & maintenance and ageing management II

Chair:

ILL’S BRIGHT FUTURE	Estrade, J. (1) 1 - INSTITUT LAUE LANGEVIN, France
HFR Beryllium Management Program	Van Loggerenberg, P. (1); Silva Pinto Wahnon, S. (1); Davis, L. (1) 1 - NRG PALLAS, Netherlands
Update on the status of HANARO Operation	Shin, J. (1); Kim, M. (1); In, W. (1); Kim, C. (1) 1 - Korea Atomic Energy Research Institute, Korea, Republic of
A Practical Underwater Gamma-Spectrometric Method for TRIGA Fuel Burnup Assessment Using a NaI(Tl) Detector	Lepore, L. (1); Fabrizio, V. (2); Falconi, L. (2); Formenton, D. (2); Roberti, A. (2)

	1 - ENEA, NUC-IRAD-CRGR, Nuclear Material Characterization Laboratory and Nuclear Waste Management, Casaccia Research Centre, Italy 2 - ENEA, NUC-IRAD-RNR, Research Nuclear Reactor Laboratory, Casaccia Research Centre, Italy

1.40pm-3.00pm RRFM Parallel Session II: Innovative methods in reactor physics and thermo-hydraulics I

Chair: L. Chabert, TechnicAtome, France

Neutronic Analysis of MTR Fuel with Cd Burnable Poisons Using MCNP and TRITON Codes	Kim, K.-O. (1); Yoo, H. J. (1) 1 - Korea Atomic Energy Research Institute, Korea, Republic of
Numerical Investigation of Natural Convection and Corrosion Particle Transport in a Pool-Type Tsinghua High-flux Reactor	Xu, H. (1); Ding, H. (1); Peng, W. (1); Yang, X. (1); Zhao, G. (1); Sun, Q. (1) 1 - Tsinghua University, China
VALIDATION OF THE MONTE-CARLO CODE SERPENT 2 FOR CORE FOLLOW AND DESIGN OF THE 'HOR'	Hut, T. (1); Winkelman, A. (1); Kaaijk, C. (1) 1 - Hoger Onderwijs Reactor, Delft University of Technology, Netherlands
Impact of Burnup-Driven Isotopic Uncertainties on Power Density and Gamma Heating Distributions in Fuel and Structural Materials of a High-Flux Research Reactor	Alhassan, E. (1); Hernandez-Solis , A. (1); Newman, G. (1); Sikik , E. (1) 1 - Belgian Nuclear Research Centre, Belgium

3.00pm – 3.30pm Coffee Break

3.30pm-4.30pm RRFM Parallel Session I: New Research Reactor Projects

Chair:

The concept of new Impulse Graphite Reactor	Zhanbolatov, O. (1); Irkimbekov, R. (1); Surayev, A. (1) 1 - Branch Institute of Atomic Energy RSE NNC RK, Kazakhstan
NA² - A COLLABORATIVE NORDIC APPROACH TO ESTABLISHING A NEW RESEARCH REACTOR: MOTIVATION AND STATUS 2026	Bergdahl, A. (1); Olsson, P. (2); Jakelius, S. (1); Wiese, T. (1) 1 - Nordics Association for Nuclear Acceleration AB, Sweden 2 - KTH Stockholm, Sweden
Multi-Objective Optimization of a new MIT Research Reactor Core Design using a Non-dominated Sorting Genetic Algorithm	Hauptman, S. (1); Buongiorno, J. (1); Craft, A. (2); Hu, L.-W. (1); Kohse, G. (1); Snead, L. (1); Shirvan, K. (1); Forget, B. (1); Crawford, D. (2) 1 - Massachusetts Institute of Technology, United States 2 - Idaho National Laboratory, United States

3.30pm-4.30pm RRFM Parallel Session II: Research reactor operation & maintenance and ageing management III

Chair: C. Kaaijk, TU Delft, The Netherlands

Manufacturing of spare control rods for the Hoger Onderwijs Reactor	Tjeertes, D. (1); Van Wijk, N. (1); Kaaijk, C. (1) 1 - Hoger Onderwijs Reactor, Delft University of Technology, Netherlands
DEVELOPMENT OF A SEMI-DIGITAL DASHBOARD FOR AGEING MTR RESEARCH REACTOR : IMPROVING DATA MANAGEMENT AND OPERATIONAL RELIABILITY	Prasetyani, T. (1); Ruskandar, I. (1) 1 - National Research and Innovation Agency, Indonesia
Preliminary Performance Assessment of the Innovative Control Fuel Assembly for the LVR-15 Reactor	Romanello, V. (1); Dambrosio, A. (1); Hrehor, M. (2); Huet, F. (3); Boyard, M. (3) 1 - CVR - Research Centre Rez Nuclear safety department , Czech Republic 2 - SURO - Nuclear safety department - National Radiation Protection Institute, Czech Republic 3 - TechnicAtome, France

3.30pm-4.30pm RRFM Parallel Session II: Innovative methods in reactor physics and thermo-hydraulics II

Chair:

MODELLING OF SELECTED VALIDATION EXPERIMENTS IN SUPPORT OF SAFARI-1 SAFETY ANALYSIS	Prinsloo, R. (1); Khoza, S. (1); Martinez-Quiroga, V. (2); Vlok, W. (1); Groenewald, S. (1) 1 - Necsa, South Africa 2 - Energy Software Ltd, Spain
TRAD_SN: Development of an SN Interface to Generate a Problem-Dependent Adjoint Source for Accelerating Monte Carlo Radiation Transport Calculations	Meier, H. (1); Cuello, E. (1); Gray, B. (1) 1 - INVAP S.A.U., Argentina
MIT REACTOR SIMULATOR DIGITAL TWIN DEVELOPMENT AND DEMONSTRATION	Hu, L.-W. (1) 1 - Massachusetts Institute of Technology, United States

4.30pm-5.00pm Closing Session

Friday 24 April 2026

Technical Tours

EUROPEAN NUCLEAR SOCIETY