

	Room A Conference Hall	Room B S I	Room C S III	Room D Red Room	
<b>May 23</b>	8:15 Departure to ICN (bus from Muntenia Hotel with a stop at Ramada Hotel)				
	08:30 - 09:30 Registration				
	09:30 - 10:45 Opening Ceremony, Key Notes				
	10:45 - 11:30 Poster Session 1 with Coffee & Tea				
	11:30 - 13:30 Plenary Session 1				
	13:30 - 14:20 Lunch				
	14:30 - 15:50		HLM Technology	Radioprotection & Air, Water and Soil Protection	Education Training and Knowledge Management
	15:50 - 16:10 Coffee break				
	16:10 - 17:10		HLM Technology	Radioprotection & Air, Water and Soil Protection	Panel Discussion: Capacity building for nuclear development
	17:30 Departure to Pitesti				
<b>May 24</b>	8:15 Departure to ICN (bus from Muntenia Hotel with a stop at Ramada Hotel)				
	09:30 - 11:00 Plenary Session 2				
	11:00 - 12:00 Poster Session 2 with Coffee & Tea				
	12:00 - 13:30 Plenary Session 2				
	13:30 - 14:20 Lunch				
	14:30 - 15:50		Radioactive Waste Management	Nuclear Technology and Materials	Nuclear Reactors, Nuclear Safety & Severe Accidents
	15:50 - 16:10 Coffee break				
	16:10 - 17:10		Radioactive Waste Management	Nuclear Technology and Materials	Nuclear Reactors, Nuclear Safety & Severe Accidents
	17:10 - 18:00		Nuclear 2018 Awards; Conference closure		
	18:00 Departure to Pitesti				
20:00 Conference Dinner at RAMADA Hotel					
<b>May 25</b>	8:30 Departure from Muntenia Hotel (with a stop at Ramada Hotel)				
	10:00 - 12:00 Technical visit: Vidraru Hydro Power Plant				
	13:00 - 15:00 Lunch in Valea cu Pesti				
	17:00 Arrival in Pitesti				

## Wednesday, May 23

**08:30 - 09:30 Registration**

**09:30 - 10:00 Opening Ceremony**

**Key notes**

**10:00 - 10:45** Roger Garbil – European Commission  
 Teodor Chirica – FORATOM  
 Ministry of Energy  
 Ministry of Research and Innovation

**10:45 - 11:30 Poster Session 1 with Coffee & Tea**

### PLENARY SESSION I

**Room A**

*Chair:* **Serban Valeca**

*Co-chair:* **Maria Roth**

**11:30 - 12:00 RATEN ICN Infrastructure for R&D and E&T in nuclear energy**  
 Alexandru Toma  
*RATEN ICN Pitesti, Romania*

**12:00 - 12:30 The new evolution of SNETP and its Strategic Research and Innovation Agenda**  
 Hamid Aït Abderrahim  
*SNETP, Belgium*

**12:30 - 13:00 The ALFRED Project: status, achievements and perspectives**  
 Alessandro Alemberti  
*ANSALDO NUCLEARE, Italy*

**13:00 - 13:30 Progress on the MYRRHA project: Status at the end of 2017 - Scientific case & new implementation plan**  
 Hamid Aït Abderrahim  
*SCK.CEN, Belgium*

**13:30 - 14:20 Lunch**

## Parallel Sessions

### Session 1.3

#### HLM Technology

Room B

Chair: **Alessandro Alemberti**

Co-Chair: **Ilie Turcu**

- 
- 14:30 - 14:50 Interaction of Np and Am Bearing Fuels with LBE Coolant**  
*Daniel Freis, A.Cambriani, S.Gardeur, A.Guiot, P Lajarge, J.-F. Vigier, R.J.M. Konings*  
 European Commission, Joint Research Centre Karlsruhe, Germany
- 
- 14:50 - 15:10 Reserved Title**  
*ANSALDO/ENEA, Italy*
- 
- 15:10 - 15:30 Performing transient tests on LFR type fuel—interim results**  
*Csaba Roth, B.Boer, R.Delville, M.Mladin, C.Dulama, M.Verwerft, G.Budriman, C.Truta, D.Barbos, I.Popa, A.Udrea, L.Aioanei, C.Gondac, L.Savu*  
 RATEN ICN, Pitesti, Romania
- 
- 15:30 - 15:50 Crack initiation in Heavy Liquid Metals, the KAMILE experience**  
*Fosca Di Gabriele, A.Hojna, M.Chocholousek, Z.Spirit, J.Lorincik, P.Halodova, J. Duchon*  
 CV Řež, Czech Republic
- 
- 15:50 - 16:10 Coffee break**
- 
- 16:10 - 16:30 Fe-Ni-Cr Superficial Structures Developed on Carbon Steels from Ionic Liquids by Electrodeposition**  
*Mariana Pătrașcu, E.Coacă, A.Marin, G.Oncioiu, L.Velciu, O.Rusu*  
 RATEN ICN Pitesti, Romania
- 
- 16:30 - 16:50 On Some Specifics in Defining the Postulated Initiators for Generation IV Reactors**  
*Dan Serbanescu*  
 Nuclearelectrica SA & Romanian Academy, Romania
- 
- 16.50 - 17:10 Requirements and Needs for ALFRED Environmental Impact Assessment**  
*Minodora Apostol, M.Constantin, I.Turcu, M.Nitoi, D.Gugiu*  
 RATEN ICN, Pitesti, Romania
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## Session 2.2 & 2.3

### Radioprotection & Air, Water and Soil Protection

Room C

Chair: **Radu Vasilache**

Co-Chair: **Cristian Dulama**

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- 14:30 - 14:50** **The Effect of Gamma Radiation on Mechanical Properties of Cement Mortar**  
*Y.Khmurovska, Petr Stemberk, S.Sikorin, Y.Kaladkevich, E.Pavalanski, V.Fatseyeu*  
 Czech Technical University in Prague, Prague, Czech Republic
- 
- 14:50 - 15:10** **Natural Radioactivity of Geothermal Waters from Herculane Area**  
*Ioan Zaharie, M. Goloşie*  
 Politehnica University Timișoara, Romania
- 
- 15:10 - 15:30** **A proposal for an extensive dose - response study involving the existing Romanian research infrastructure**  
*Radu A. Vasilache*  
 Canberra Packard, Romania
- 
- 15:30 - 15:50** **Methodology for evaluation of tritium degassing rate and removable contamination for metallic surfaces**  
*Cristian Dulama, R.Dobrin, Al.Toma, I. I.Popescu*  
 RATEN ICN Pitesti, Romania
- 
- 15:50 - 16:10** **Coffee break**
- 
- 16:10 - 16:30** **National Arrangements regarding International Assistance Convention in Case of Nuclear Accident or Radiological Emergency**  
*Petre Min*  
 CNCAN, Romania
- 
- 16:30 - 16:50** **Comparison of Different Methods for Analysis of Uranium Content in Secondary Raw Materials**  
*Katarzyna Kiegiel, D.Gajda, P.Kalbarczyk, G.Zakrzewska-KoŹtuniewicz*  
 Institute of Nuclear Chemistry and Technology, Warsaw, Poland
- 
- 16.50 - 17:10** **An Improved Method for Determination of Natural Uranium in Aqueous Samples by Alpha-LSC**  
*Silvia Stoica, R.Dobrin, V.Neculae, I.Prisecaru*  
 RATEN ICN Pitesti, Romania
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## Session 3

### Education, Training and Knowledge Management

Room D

Chair: **Serban Valeca**

Co-Chair: **Dumitru Chirlesan**

**14:30 - 14:40** **Title**  
Dumitru Chirlesan  
 University from Pitesti, Romania

**14:40 - 15:00** **Title 1**  
Student 1  
 University from Pitesti, Romania

**15:00 - 15:20** **Title 2**  
Student 2  
 University from Pitesti, Romania

**15:20 - 15:40** **Title 3**  
Student 3  
 University from Pitesti, Romania

**15:40 - 15:50** **Students awarding ceremony**  
 Serban Valeca/Ilie Turcu  
 University from Pitesti, Romania

**15:50 - 16:10** **Coffee break**

### Panel discussion:

### Capacity building for nuclear development

Room D

Moderator: **Dumitru Chirlesan**

**16.10 – 17:10** **The Role of Centers of Excellence in Ensuring National Safety, a Knowledge Management Approach**

*Ene Daniel Dumitru*

*National School for Public Administration and Political Science, Bucharest, Romania*

**Academic Involvement in Developing a Deep Geological Repository - Preparing the Future Generations of Experts as a Permanent Task**

*Mihaela Filip, Rodica Nicolae*

*RATEN CITON, Bucharest, Romania*

## Thursday, May 24

### PLENARY SESSION II

Room A

**Chair:** Roger Garbil

**Co-Chair:** Alexandru Toma

- |               |  |
|---------------|--|
| 09:30 - 10:00 | <b>The JRC Euratom Research and Training Programme</b><br><u>Said Abousal</u><br><i>EC DG JRC</i>  |
| 10:00 - 10:30 | <b>NUGENIA: An Association for Collaborative R&amp;D towards Safe and Efficient Nuclear Power Plants</b><br><u>Abdou Al Mazouzi</u><br><i>France</i>     |
| 10:30 - 11:00 | <b>Nuclear Development in the Context of New Energy Markets</b><br><u>Marin Constantin</u><br><i>RATEN ICN, Romania</i>                                  |
| 11:00 - 12:00 | <b>Poster Session 2 with Coffee &amp; Tea</b>  |
| 12:00 - 12:30 | <b>Canada's Progress in Meeting the Paris Agreement on Climate Change: One Year Later</b><br><u>John Saroudis</u><br><i>JIS Consultanta SRL, Romania</i> |
| 12:30 - 13:00 | <b>Experimental Program in support to ALFRED project</b><br><u>Giacomo Grasso, Mariano Tarantino</u><br><i>ENEA Italy</i>                                |
| 13:00 - 13:30 | <b>RATEN ICN opportunities as Technical Support Organisation</b><br><u>Mirela Nitoi, Ilie Turcu</u><br><i>RATEN ICN, Romania</i>                         |
| 13:30 - 14:20 | <b>Lunch</b>   |

## Parallel Sessions

### Session 1.1 & 1.2

#### Nuclear Reactors, Nuclear Safety & Severe Accidents

Room D

**Chair:** Marin Constantin

**Co-Chair:** Cristina Alice Margeanu

- |                      |  |
|----------------------|--|
| <b>14:30 - 14:50</b> | <p><b>Multicriteria Comparative Evaluation of Evolutionary and Innovative Nuclear Energy Systems using INPRO KIND Project Approach</b><br/> <i>Cristina Alice Margeanu, M.Constantin, M.Apostol, I.Prodea, C.A.Rizoiu</i><br/>                     RATEN ICN Pitesti, Romania</p>                      |
| <b>14:50 - 15:10</b> | <p><b>CANDU Nuclear Fuel Performance Improving by Using the Advanced 52-Element Bundle Design</b><br/> <i>Iosif Prodea, M.Șerbănel, D.Oproiu</i><br/>                     RATEN ICN Pitesti, Romania</p>   |
| <b>15:10 - 15:30</b> | <p><b>SERPENT Simulations for CANDU 6® Fuel Bundle Using LEU and Thorium Mixed Oxide</b><br/> <i>Iuliana Visan, A.Moise, G.Olteanu</i><br/>                     RATEN ICN Pitesti, Romania</p>   |
| <b>15:30 - 15:50</b> | <p><b>Evaluation of the ELESIM-TORIU Computer Code Capability to Simulate the Thorium Based CANDU Fuel Behavior in Normal Irradiation Conditions</b><br/> <i>Alina Cristina Răduț, D.F.Oproiu, S.Florea, G.Olteanu, M.R.Roman, D.V.Ionescu</i><br/>                     RATEN ICN Pitesti, Romania</p> |
| <b>15:50 - 16:10</b> | <p><b>Coffee break</b></p>   |
| <b>16:10 - 16:30</b> | <p><b>Reducing Void Effect in Thorium-Based Advanced CANDU Reactors by Using Burnable Absorbers</b><br/> <i>Roxana Bezdedeanu-Neacșa, A.Rizoiu, I.Prisecaru</i><br/>                     RATEN ICN Pitesti, Romania</p>  |
| <b>16:30 - 16:50</b> | <p><b>Sensitivity Analysis for Neutron Parameters Affected by Technological Tolerances in Typical CANDU Cells</b><br/> <i>Ana Maria Segarceanu, M.Constantin</i><br/>                     RATEN ICN Pitesti, Romania</p>   |
| <b>16.50 - 17:10</b> | <p><b>Human Performance Analysis in Socio-Technical System</b><br/> <i>Mita Farcasiu, C.Constantinescu, H.Iorga</i><br/>                     RATEN ICN Pitesti, Romania</p>  |

## Session 1.4

### Nuclear Technology and Materials

Room C

**Chair:** Fosca Di Gabriele

**Co-Chair:** Vasile Radu

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- 14:30 - 14:50**    **Comparison of Coatings Used for Heavy Liquid Metal Applications**  
*J. Prehradná, Fosca Di Gabriele, L.Rozumová, M.Chocholoušek, Z.Spirit, S.M.Deambrosis, E.Miorin, M.Utili*  
 CV Řež, Czech Republic
- 
- 14:50 - 15:10**    **Study of the Stress Relaxation Induced by Creep at Blunt Flaws in the CANDU Pressure Tubes**  
*Vasile Radu*  
 RATEN ICN Pitesti, Romania
- 
- 15:10 - 15:30**    **The Influence of Hydrogen Concentration on the Ramberg-Osgood Constitutive Equation for Zr-2.5%Nb Pressure Tube Alloy**  
*Alexandra Ion, V.Radu, Al.Nitu*  
 RATEN ICN Pitesti, Romania
- 
- 15:30 - 15:50**    **New Fracture Mechanics Method for the ODS Steel Testing**  
*Alexandru Nitu, M.Abrudeanu, V.Radu, V.Ionescu, A.Ion, V.Olaru*  
 RATEN ICN Pitesti, Romania
- 
- 15:50 - 16:10**    **Coffee break**
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- 16:10 - 16:30**    **Study about the configuration of the protection system in LabView - Virtual Security System for important modules from tritium separation plant**  
*Carmen Maria Moraru, Iulia Stefan, Ciprian Bucur, Ovidiu Balteanu, Nicolae Sofilca*  
 ICSI, Romania
- 
- 16:30 - 16:50**    **Influence of Temperature Level on the Properties of C25/30 Concrete used at Cernavoda NPP Containment**  
*Irina Paraschiv, I.Voica*  
 RATEN ICN Pitesti, Romania
- 
- 16.50 - 17:10**    **Advanced Complementary Techniques for the Investigation of Pure Copper Plates Friction Stir Welding**  
*Raluca Negrea, R.Budişteanu, A.Constantin, C.Ducu, A.G.Plăiasu, St.Tabacu, S.Moga, D.Negrea*  
 RATEN ICN Pitesti, Romania
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## Session 2.1

### Radioactive Waste Management

Room B

**Chair:** Viorel Fugaru

**Co-Chair:** Crina Bucur

**14:30 - 14:50 Safety of the Dry Spent Nuclear Fuel Storage. Thermal Regimes**

Svitlana Alyokhina, *D.Lunov*

V.N.Karazin Kharkiv National University, Kharkiv, Ukraine

**14:50 - 15:10 The Assessment of Selection and Application of Relevant Features, Events and Processes for Biosphere Model in Slovak Republic**

Dorota Flamíková, *V.Nečas*

Slovak University of Technology in Bratislava, Slovakia

**15:10 - 15:30 Release of C-14 and H-3 from Irradiated Graphite of the Thermal Column of VVR-S Reactor to Solution and Gas Phase**

Viorel Fugaru, *C.Postolache*, *G.Bubueanu*

IFIN-HH Bucharest, Romania

**15:30 - 15:50 Long-Term Corrosion Tests on Irradiated Zy-4 cladding and <sup>14</sup>C Release Assessment**

Crina Bucur, *M.Fulger*, *I.Florea*, *R.Dobrin*, *C.Diaconescu*,  
*ATudose*, *O.Uta*

RATEN ICN Pitesti, Romania

**15:50 - 16:10 Coffee break**

**16:10 - 16:30 Sensitivity analysis of C-14 radiological impact for a generic concept of spent fuel disposal in Romania**

Daniela Diaconu, *A.Constantin*

RATEN ICN Pitesti, Romania

**16:30 - 16:50 Study Regarding Safety Evaluation of Radioactive Liquid Waste Management System**

Iulian Nita

RATEN CITON Bucharest, Romania

**16:50 - 17:10 Characterization of Spent Ion-Exchange Resins by Alpha Spectrometry Technique**

Marina Petre, *D.Miriță*, *C.Lazăr*, *M.Mincu*, *I.Prisecaru*

RATEN ICN Pitesti, Romania

**Conference closure****Room A**

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**17:30**    **NUCLEAR 2018 Awards Ceremony**

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**17:50**    **Conference closure**

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**18:00**    **Departure**

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**20:00**    **Conference Dinner (Ramada Hotel)**

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*Friday, May 25*

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**8:30**    **Departure from Muntenia Hotel (with a stop at Ramada Hotel)**

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**10:00 - 12:00**    **Technical visit: Vidraru HydroPower Plant**

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**13:00 - 15:00**    **Lunch in Valea cu Pesti**

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**17:00**    **Arrival in Pitesti**

*Wednesday, May 23 (10:45 -11:30)*

## Poster Sessions 1

### Radioprotection & Air, Water and Soil Protection

<b>S1-P1</b>	C.Tuca, A.Zorliu <i>IFIN-HH, Romania</i>	<b>Key Aspects Regarding the Dismantling of the Reactor Block Biological Shielding and External Exposure of the Workers</b>
<b>S1-P2</b>	Diana Chiper, Cristian Postolache, Viorel Fugaru <i>IFIN-HH, Romania</i>	<b>Experimental Study Regarding New Methods of Radioactive Decontamination</b>
<b>S1-P3</b>	Diana Chiper, Cristian Postolache, Viorel Fugaru, George Bubueanu, Andrei Antohe, Catalin Tuta <i>IFIN-HH, Romania</i>	<b>Obtaining of Titanium Tritides for AMS Facilities Calibration</b>
<b>S1-P4</b>	Diana Chiper, Cristian Postolache, Viorel Fugaru, Catalin Tuta, George Bubueanu <i>IFIN-HH, Romania</i>	<b>Tritium Laboratory from National Institute for Physics and Nuclear Engineering, Romania</b>
<b>S1-P5</b>	Oana Popescu, D.Dobrea, A.Florea, G.Serbanescu, S. Balasoiu, M.Vitan <i>RATEN ICN, Romania</i>	<b>Analysis of BF<sub>3</sub> Neutron Field Measurement Results Obtained During a Long Time Interval</b>
<b>S1-P6</b>	Valentina Neculae, Relu Dobrin, Cristian Dulama <i>RATEN ICN, Romania</i>	<b>Quality Control of the Gamma Spectroscopy Systems used at the Radiation Protection Laboratory of the Institute for Nuclear Research</b>
<b>S1-P7</b>	Gina Zăvoianu, Ovidiu Hiriță, Relu Dobrin <i>RATEN ICN, Romania</i>	<b>Determination of Natural Uranium Content in Waste Water by Chemical and Radiological Methods</b>
<b>S1-P8</b>	Ion Zabet Ion, Gratiela Maria Tarlea <i>RATEN CITON, Romania</i>	<b>Modeling of Thermodynamic Processes for Cooling System with Digital Scroll Compressors</b>
<b>S1-P9</b>	M. Stefanescu, E.Diac <i>RATEN CITON, Romania</i>	<b>Nuclear Power Plants Land Management for Soil Protection</b>

### Education, Training and Knowledge Management

<b>E1-P1</b>	Raluca Boboc, Irina Paraschiv, Șerban Valeca <i>RATEN ICN, Romania</i>	<b>The Effects of a LOCA Accident on the Durability of the CANDU 600 Concrete Containment</b>
<b>E1-P2</b>	Ioana Toader, Șerban Valeca, Valentin Olaru, Gh. Olteanu <i>University from Pitesti, Romania</i>	<b>Microstructural Comparative Analysis of Tensile Tested SEU-43 Tube Samples</b>

<b>E1-P3</b>	Alexandru F.Florea, O.Popescu, G.Serbanescu, S.Balasoiu, M.Mocanasu <i>University from Pitesti, Romania</i>	<b>Neutron field monitoring system using PLC S7-300 platform</b>
<b>E1-P4</b>	Madalin Savu, Marina Petre, Serban Constantin Valeca <i>University from Pitesti, Romania</i>	<b>Characterization Methods for the Sodium Molybdate Solution Used in Nuclear Medicine</b>
<b>E1-P5</b>	M. Vitan, O.Popescu, M.Mocanasu, C.Costea, A.Florea, G.Serbanescu <i>University from Pitesti, Romania</i>	<b>Data Acquisition and Control of Nuclear Processes with Industrial PLC Equipments Educational Development Systems</b>
<b>E1-P6</b>	Mariana Tunaru, Doinita Bucșă, Alice Dinu, Lucian Velciu, Laurentiu Popa <i>RATEN ICN, Romania</i>	<b>The Involvement of Bacteria in the Failure of a Carbon Steel Pipe</b>
<b>E1-P7</b>	Silvia Mariana Vulpe, Serban Constantin Valeca, Adrian Florinel Bucșă <i>University from Pitesti, Romania</i>	<b>Determination of Arsenic Species in Water</b>
<b>E1-P8</b>	Raluca Elena Hăbudeanu, Monica Valeca, Doru Savu, <i>University from Pitesti, Romania</i>	<b>Quality Control of Solid Low Radioactive Waste Treatment Process</b>
<b>E1-P9</b>	Valentina Cristina Rosu, Elena Dumitru, Monica Valeca <i>University from Pitesti, Romania</i>	<b>Laboratory Experiments for Processing of Radioactive Sludge</b>
<b>E1-P10</b>	Maria Șerbuică, Alice Dinu, Șerban Constantin Valeca <i>University from Pitesti, Romania</i>	<b>Consideration on the Corrosion Process in CANDU Steam Generator Tubes</b>
<b>E1-P11</b>	M.C.Radulescu, G.Duna, V.Cojocar, S.C.Valeca <i>University from Pitesti, Romania</i>	<b>Equipment for Simulating the Loss of Working Agent Caused by the Appearance of Cracks in High Pressure Pipes</b>
<b>E1-P12</b>	Cristina M.Chivereanu, Monica Valeca, Carmen Arsene <i>University from Pitesti, Romania</i>	<b>Treatment of Irradiated Graphite from Thermal Columns of TRIGA Reactor</b>
<b>E1-P13</b>	Cosmin C.Din, Cristina Alice Mărgeanu, Serban Constantin Valeca <i>University from Pitesti, Romania</i>	<b>Preliminary Study on the Cost Competitiveness of an SMR using LFR Technology in Romanian Energy System</b>
<b>E1-P14</b>	Alina-Mihaela Udrea, Mihaela-Mirela Vitan <i>University from Pitesti, Romania</i>	<b>Intelligent Measuring System of Radioisotope Nuclear Activity for the Medical Field</b>
<b>E1-P15</b>	Laura Savu, Serban Constantin Valeca, Calin Stefan Truta <i>University from Pitesti, Romania</i>	<b>Some elements of Ageing Management at INR TRIGA Research Reactor</b>
<b>E1-P16</b>	Diana-Adriana Sîrbu, Șerban Constantin Valeca, Iosif Prodea <i>University from Pitesti, Romania</i>	<b>Implications on the Nuclear Safety at the using of a Mixed Uranium-Thorium Fuel Design in a CANDU Power Reactor</b>

<b>E1-P17</b>	Beatrice Ionela Nen, Serban Constantin Valeca, Liliana Bujoreanu <i>University from Pitesti, Romania</i>	<b>Methods for determination of beta radionuclides from liquid radioactive waste by scintillation fluid spectrometry</b>
<b>E1-P18</b>	Mihai Alexandru Nate, Monica Valeca, Daniela Diaconu <i>University from Pitesti, Romania</i>	<b>Temperature influence on the bentonite swelling properties at spent fuel disposal</b>

*Thursday, May 24 (11:00-12:00)*

## Poster Sessions 2

### Nuclear Safety and Severe Accidents

<b>S2-P1</b>	Ori Nissim Levi <i>ONDM, Ramle, Israel</i>	<b>The Likelihood of Nuclear War or a Large scale Nuclear Incident Around the World, Level of Preparedness and Challenging Accepted Reference Scenarios</b>
<b>S2-P2</b>	Mihaela Petra, Mita Farcasiu, Ileana Cretu, Eleonora Dragan <i>RATEN ICN, Romania</i>	<b>The Assessment of the Safety Culture at Institute for Nuclear Research Pitesti</b>
<b>S2-P3</b>	Luminita Nitulescu, Gabriel Ghita, Gheorghe Florescu <i>RATEN ICN, Romania</i>	<b>Loss of Feed Water Analysis to the CANDU 6 Steam Generators</b>
<b>S2-P4</b>	Marieta Șerbănel, Iosif Prodea <i>RATEN ICN, Romania</i>	<b>Thermalhydraulic Modelling of 100% ROH LBLOCA for CANDU 6 Reactor using RELAP5 Code</b>

### Nuclear Reactors

<b>S2-P5</b>	Raluca Gherasim, Doina Pantazi, Gh. Petre, S. Meglea <i>RATEN CITON, Romania</i>	<b>Obtaining Nuclear Data Libraries for Advanced CANDU Reactor (ACR) Fuel Configurations using SCALE 5 System Code Resources</b>
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### Generation IV

<b>S2-P6</b>	Andrei Vilcu, Masatoshi Kondo, Takahashi Minoru <i>RATEN ICN, Romania</i>	<b>Study about the Corrosion of Structural Materials in Pb-Bi Eutectic and Coolant Oxidation</b>
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## Nuclear Technology and Materials

<b>S2-P7</b>	Dumitra Lucan, Alice Dinu, Madalina Stanculescu, Maria Mihalache <i>RATEN ICN, Romania</i>	<b>Properties of Deposits Removed from the CANDU Steam Generator Secondary Side</b>
<b>S2-P8</b>	<u>Razvan Marinescu</u> , M.Mincu <i>ICSI, Romania</i> RATEN ICN Pitesti, Romania	<b>Establishing Optimal Parameters for Determination of the Hydrogen Concentration Using the Differential Scanning Calorimeter</b>
<b>S2-P9</b>	Lucian Velciu, Tiberiu Meleg, Marian Pantiru, Daniel Petrescu, Florea Voicu <i>RATEN ICN, Romania</i>	<b>Assessment of Inconel 617 Alloy Tested by Heat-Cycling</b>
<b>S2-P10</b>	Diana Diniasi, Dumitra Lucan, Manuela Fulger <i>RATEN ICN, Romania</i>	<b>Electrochemical Testing of SA 516 Carbon Steel Oxidized in Simulated Primary Circuit Conditions</b>
<b>S2-P11</b>	Mihai-Cătălin Arva, Mihai Stoica <i>RATEN ICN, Romania</i>	<b>Techniques and Methods of Signal Integrity Assessment at Neutron Detector Preamplifier Module DEPIN-01</b>
<b>S2-P12</b>	Viorel Ionescu, Vasile Radu, Alexandru Nitu, Viorel Cojocar, u, Alexandra Ion, V.Olaru <i>RATEN ICN, Romania</i>	<b>Study of Mechanical Fatigue under Various Load Spectra on the Zr-2.5%Nb Pressure Tube Specimens</b>
<b>S2-P13</b>	Maria Mihalache, Iulia Dumitrescu, Madalina Stanculescu <i>RATEN ICN, Romania</i>	<b>Evaluation Method of Chemical Composition for Metallic Powder by X- Ray Spectroscopy</b>
<b>S2-P14</b>	Laurentiu Popa, Mariana Tunaru, Lucian Velciu, M.Lazăr <i>RATEN ICN, Romania</i>	<b>Corrosion Behaviour of Dissimilar Welds Between Inconel 600 Alloy and Carbon Steel From Primary Circuit of CANDU NPP</b>
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