

		<b>Room A</b> Conference Hall	<b>Room B</b> S I	<b>Room C</b> S III	<b>Room D</b> Red Room
<b>May 28</b>	<b>8:30</b>	Departure to ICN (bus from Muntenia Hotel with stop to Ramada Hotel)			
	<b>08:30 - 09:30</b>	Registration			
	<b>09:30 - 10:30</b>	Opening Ceremony			
	<b>10:30 - 11:30</b>	Poster Session 1, Coffee&Tea			
	<b>11:30 - 13:30</b>	Plenary Session			
	<b>13:30 - 14:30</b>	Lunch			
	<b>14:40 - 15:40</b>	<i>Parallel Sessions</i>	Nuclear Safety and Severe Accidents	Nuclear Technology and Materials	Radioprotection & Air, Water, Soil Protection
	<b>15:40 - 15:50</b>		Coffee break		
	<b>15:50 - 17:10</b>		Nuclear Safety and Severe Accidents	Nuclear Technology and Materials	Radioprotection & Air, Water, Soil Protection
	<b>17:20</b>	Departure to Pitesti			

		<b>Room A</b> Conference Hall	<b>Room B</b> S I	<b>Room C</b> S III	<b>Room D</b> Red Room
<b>May 29</b>	<b>8:30</b>	Departure to ICN (bus from Muntenia Hotel with stop to Ramada Hotel)			
	<b>09:00 - 10:30</b>	Plenary Session			
	<b>10:30 - 11:30</b>	Poster Session 2, Coffee&Tea			
	<b>11:30 - 13:30</b>	Plenary Session			
	<b>13:30 - 14:30</b>	Lunch			
	<b>14:40 - 15:40</b>	<i>Parallel Sessions</i>	Nuclear Reactors and Gen IV	Nuclear Technology and Materials	Radioactive Waste Management
	<b>15:40 - 15:50</b>		Coffee break		
	<b>15:50 - 17:10</b>		Nuclear Reactors and Gen IV	Nuclear Technology and Materials	Radioactive Waste Management
	<b>17:10 - 17:30</b>	Nuclear 2014 Awards; Conference closure			
	<b>17:30</b>	Departure to Pitesti			
<b>20:00</b>	Conference Dinner at RAMADA Hotel				

<b>May 30</b>	<b>8:00</b>	Departure to ICN (bus from Muntenia Hotel with stop to Ramada Hotel)			
	<b>8.30 - 12:00</b>	Technical visits: TRIGA Reactor, Hot Cells, Radioactive Waste Treatment Plant			
	<b>13:30 - 15:00</b>	Lunch in Bucharest, Village Museum			

Wednesday, May 28

08:30 - 09:30	Registration
09:30 - 10:30	Welcome and Opening Ceremony
10:30 - 11:30	Poster Session 1 with Coffee & Tea

**PLENARY SESSION I**

Room A

*Chairman: Prof.dr. Șerban Constantin Valeca**Co-chairman: Ilie Turcu*

11:30 - 12:00	<u>Serban Valeca</u> <i>ICN Romania</i>	Non-proliferation Actions: the Romanian Experience
12:00 - 12:30	<u>John Saroudis</u> <i>CANDU EnergyCanada</i>	An Overview of the Enhanced CANDU-6 Capabilities for Plutonium Stockpile Disposition and Advanced Fuel Cycles
12:30 - 13:00	<u>Raymond Kowe,</u> T. Beattie, J.Delay <i>NDA UK</i>	The Implementing Geological Disposal of Radioactive Waste Technology Platform (IGD-TP) Working Group on RD&D Dissemination
13:00 - 13:30	<u>Thomas Carlsson,</u> S. Freel <i>GSE Power System - Sweden</i>	The Use of Dynamic Simulation for the Design, Validation and Training for New and Existing Nuclear Reactors
13:15 - 14:30	<b>Lunch</b>	

**Parallel Sessions**

Wednesday, May 28

**Session I.1**

Room B

*Chairman: Gholamreza Jahanfarnia**Co-chairman: Cantemir Ciurea-Ercau***Nuclear Safety and Severe Accidents**

14:40 - 15:00	<u>Sunil Nijhawan</u>	Prolet Inc. Canada	Requirements and Challenges in Development of a New Integrated Severe Accident Simulations Code ROSHNI for PHWR Level 2 PSA Applications
15:00 - 15:20	<u>Gholamreza Jahanfarnia,</u> S. M. Hoseyni, F. Yousefpour, K. Karimi	Islamic Azad University Tehran Iran	Methodology for Time Window Analysis to Resolve HRA Issues
15:20 - 15:40	<u>Cantemir Ciurea - Ercau,</u> M. Tronea	CNCAN Romania	Regulatory Review of Emergency Operating Procedures and Severe Accident Management Guidelines
15:40 - 16:00	<b>Coffee break</b>		
16:00 - 16:20	<u>Elena Dinca,</u> D. Dupleac, I. Prisecaru	CNCAN Romania	Thermo-Chemical Behavior of Disassembled CANDU Fuel Channels and Debris during a Severe Accident
15.20 - 16:40	<u>Veronica Andrei,</u> N. Balas, T. Chirica, M. Gheorghe, A. Giura	ENERGONUCLEAR Romania	Technical and Nuclear Safety Management during Cernavoda Units 3&4 Pre-Project Activities
16:40 - 17:00	<u>Madalina Tronea,</u> Cantemir Ciurea-Ercau	CNCAN Romania	Nuclear Safety Culture - Lessons Learned from Past Accidents

Wednesday, May 28

**Session I.3****Room C***Chairman: Gheorghe Ionita**Co-chairman: Manuela Fulger***Nuclear Technology and Materials**

14:40 - 15:00	<u>Fosca Di Gabriele</u> , A. Hojna, J. Klecka	CVR Czeck Republic	Heavy Liquid Metals: Experience and Lessons Learnt
15:00 - 15:20	B. Gonzalez Prieto, J. Lim, K. Rosseel, J. Van den Bosch, E. A. Maugeri, J. Neuhausen, <u>Alexander Aerts</u>	SCK.CEN Belgium	Current Understanding of Polonium Evaporation from Irradiated Lead-Bismuth Eutectic
15:20 - 15:40	<u>Viorel Ionescu</u> , M. Dierckx, V. Cojocaru	RATEN-ICN Romania	Wetting Parameter Determination for Ultrasonic Sensors in Heavy Liquid Metals
<b>15:40 - 15:50</b>	<b>Coffee break</b>		
15:50 - 16:10	<u>Florea Scarlat</u> , A. Scarisoreanu, N. Verga	INLPRF Romania	Therapy Proton Beam Generation by RPA Mechanism
16:10 - 16:30	<u>Manuela Fulger</u> , M. Mihalache, L. Velciu, M. Pantaru, S. Valeca, R. Venescu	RATEN-ICN Romania	Assessment of Oxidation in Supercritical Water of Alloys with Different Chromium Content
16.30 - 16:50	<u>Maria Mihalache</u> , I. Dumitrescu, Z. Zhou	RATEN-ICN Romania	Mechanical Properties of Two Austenitic and Ferritic/Martensitic Steels Strengthened with Dispersed Oxides
16:50 - 17:10	<u>Gheorghe Ionita</u> , C. Bucur, I. Spiridon, I. Stefanescu	ICSI – Rm. Valcea, Romania	Detritiation of Heavy Water by Catalysed Isotopic Exchange in Liquid Phase

Wednesday, May 28

**Session II.2 & II.3****Room D***Chairman: Vasile Stanciu**Co-chairman: Alexandru Toma***Radioprotection & Air, Water and Soil Protection**

14:40 - 15:00	<u>Simona Popoaca</u> , C. Bucur, V. Simionov	SNN – CNE Cernavoda, Romania	Determination of 3H and 14C in Organic Samples after Separation through Combustion Method
15:00 - 15:20	<u>Cristian Dulama</u> , R. Dobrin, A. Toma, M. Valeca	RATEN-ICN Romania	Simultaneous Determination of Total Alpha and Beta Activity by Liquid Scintillation Spectrometry
15:20 - 15:40	<u>Elena Bobric</u> , C. Chitu, I. Popescu, V. Simionov	SNN – CNE Cernavoda, Romania	Management of Tritium Exposures at Cernavoda NPP
<b>15:40 - 15:50</b>	<b>Coffee break</b>		
15:50 - 16:10	<u>Cristina Ciocirlan</u> , C. Dulama, M. Valeca, A. Toma, R. Dobrin, S. Stroe	RATEN-ICN Romania	Experimental Tests for Determination of Po-210 in Aqueous Samples
16:10 - 16:30	<u>Mirela Dulama</u> , C. Dulama, N. Deneanu	RATEN-ICN Romania	Sequential Leaching of Cobalt-60 and Cesium-137 to Clean Up Contaminated Soils
16.30 - 16:50	<u>Radu Vasilache</u>	Canberra Packard Romania	Communicating Radiological Risks to the General Public: How to Get Properly Understood
16:50 - 17:10	<u>Gabriel Pavel</u> , D. Diaconu, M. Constantin T. Perko	RATEN-ICN Romania	EAGLE – Public Perception on Ionizing Radiation Communication in Europe

Thursday, May 29

**PLENARY SESSION II**

Room A

*Chairman: Alessandro Alemberti**Co-Chairman: Ilie Turcu*

09:00 - 09:30	<u>Stefano Monti</u> <i>AIEA Austria</i>	Recent IAEA initiatives in support of the development and deployment of innovative fast neutron systems
09:30 - 10:00	<u>Manuel Martin-Ramos</u> <i>JRC Belgium</i>	JRC Activities in Nuclear Safety, Security and Safeguards
10:00 - 10:30	<u>Sunil Nijhawan</u> <i>Prolet Inc. Canada</i>	Unfinished Upgrades to CANDU Reactors that can Reduce Risk From Severe Accidents
<b>10:30 - 11:30</b>	<b>Poster Session 2 with Coffee&amp;Tea</b>	
11:30 - 12:00	<u>Pietro Agostini,</u> A. Alemberti, M. Ciotti, G. Grasso, M. Tarantino, I. Turcu, M. Constantin <i>ENEA Italy</i>	The ALFRED Project: Opportunities for Romania
12:00 - 12:30	<u>Alessandro Alemberti,</u> G. Villabruna, P. Agostini, I. Turcu, M. Constantin <i>ANSALDO Italy</i>	The FALCON Consortium: Continuing the Successful Italian Romanian International Collaboration
12:30 - 13:00	<u>Daniela Diaconu</u> Marin Constantin <i>RATEN - ICN Romania</i>	ARCADIA Project in Support to ALFRED
13:00 - 13:30	<u>Csaba Roth</u> B. Boer, M. Mladin, A. Datcu, G. Budriman, C. Truta <i>RATEN - ICN Romania</i>	MYRRHA Fuel Transient Tests Project at the TRIGA-ACPR Reactor
<b>13:30 - 14:30</b>	<b>Lunch</b>	

**Parallel Sessions**

Thursday, May 29

**Session I.2**

Room B

*Chairman: Mohammed Sallah**Co-chairman: Cristina Alice Margeanu***Nuclear Reactors and Generation IV**

14:40 - 15:00	<u>Boqumila Myslek-Laurikainen,</u> A. Golaþ	NCBJ <b>Poland</b>	Reactor MARIA in Poland, its History and Future
15:00 - 15:20	<u>Mohammed Sallah</u>	Mansoura University <b>Egypt</b>	Stochastic Neutron Transport in Fluctuating Reactors with Pure-Triplet Scattering using RVT Technique
15:20 - 15:40	<u>Georgiana Giubega,</u> I. Visan, A. Tudora, F.-J.Hambsch	University of Bucharest <b>Romania</b>	Even-Odd Effects in Prompt Emission in Fission
<b>15:40 - 15:50</b>	<b>Coffee break</b>		
15:50 - 16:10	<u>Daniela Gugiu,</u> S. Negru, A. Woltz	RATEN-ICN <i>Romania</i>	Preliminary Neutronic Analysis of Some Alloys if used in Lead Cooled Fast Reactors
16:10 - 16:30	<u>Cristina Alice Margeanu,</u> G. Olteanu	RATEN-ICN <i>Romania</i>	Estimation of Spent Fuel Parameters Evolution during Thorium-Based Fuels Irradiation in CANDU Reactors
16:30 - 16:50	<u>Mihaela-Roxana Roman,</u> D. Ionescu, A. Paraschiv, G.Olteanu	RATEN-ICN <i>Romania</i>	The Relationship between Experimental Data and Fuel Modeling in the Fuel Behaviour Analysis
16:50 - 17:10	<u>Iosif Prodea</u>	RATEN-ICN <i>Romania</i>	The Influence of CANDU Fuel Bundle Central Element Size on Lattice and Core Reactor Physics Parameters
17:10 - 17:25	<u>Fosca Di Gabriele,</u> R. Rezac, E. Novak, J.Milcak <i>CVR Czech Republic</i>	CVR Czech Republic	Trainings in support of the development of Generation IV nuclear reactors

Thursday, May 29

### Session I.3

Room C

Chairman: Stuart L. Medway

Co-chairman: Radu Vasile

#### Nuclear Technology and Materials

14:40 – 15:00	<u>Stuart L. Medway</u> , A.G. McLennan, T. Hill, M.D. Wright, S. Jaffer, T.P. Brown, J. W Stairmand	AMEC UK	Measurements of Fatigue Initiation of Carbon Steel in High Temperature Water Using Blunt Notch Compact Tension Specimens
15:00 – 15:20	<u>Vasile Radu</u>	RATEN-ICN Romania	Application of Neural Network Model for in-reactor deformation of CANDU Zr-2.5Nb pressure tubes
15:20 – 15:40	<u>Marica Deaconu</u> , T. Meleg, I. Ciuca, M. Abrudeanu	RATEN-ICN Romania	Non-Isothermal Decomposition of Titanium Hydride Powder in Air
<b>15:40 – 15:50 Coffee break</b>			
15:50 – 16:10	<u>Tiberiu Meleg</u> , M. Deaconu	RATEN-ICN Romania	Average Diffusion Coefficient Measurement of the Oxygen in Zy-4 Cladding, at Temperatures between 873 and 1673 K
16:10 – 16:30	<u>Razvan Marinescu</u> , M. Mincu	RATEN-ICN Romania	Influence of the Samples Preparation on Hydrogen Concentration Determination Using the Differential Scanning Calorimetry Method. (DSC)
16.30 – 16:50	<u>Mădălina Stănculescu</u> , A. Dinu, I. Dumitrescu, D. Benga, M. Mincu	RATEN-ICN Romania	Fabrication of Metallic Mo Targets for Technetium Generator
16:50 – 17:10	<u>Ana M. Ivan</u> , D. Mirita, L. C. Dinu, M. Tatarascu, P. Busuioc	RATEN-ICN Romania	Production of 99Mo using LEU Targets at INR Pitesti

Thursday, May 29

### Session II.1

Room D

Chairman: Raymond Kowe

Co-chairman: Crina Bucur

#### Radioactive Waste Management

14:40 – 15:00	<u>Stela Diaconu</u> O. Niculae	AN&DR Romania	Romania's Radioactive Waste Management Overview
15:00 – 15:20	<u>Veronica Andrei</u> , I. Prisecaru	AREN Romania	How Important is the National Context in Planning Romanian Geological Disposal?
15:20 – 15:40	<u>Daniela Dogaru</u> , C. Virtopeanu	CNCAN Romania	Safety Requirements on the Radioactive Waste Pre-disposal Activities and Facilities
<b>15:40 – 15:50 Coffee break</b>			
15:50 – 16:10	<u>Raluca Fako</u> , M. Filip	RATEN-CITON, Romania	Development of In-Situ, Long-term, Inspection and Monitoring Programs for Metallic Components
16:10 – 16:30	<u>Crina Bucur</u> , Cristina Alice Margeanu	RATEN-ICN Romania	Assessment of the Long-Lived Radioactive Waste generated from Cernavoda NPP Operation and Decommission for Geological Disposal
16.30 – 16:50	<u>Mirela Olteanu</u>	RATEN-ICN Romania	Method of I-129 Separation by Extraction Chromatography
16:50 – 17:10	<u>Alice Ionescu</u>	RATEN-ICN Romania	Estimation of the Flow and Transport Parameter for Column Experiments in Limestone

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

Friday, May 30

<b>8:00</b>	Depart from Muntenia Hotel with stop to Ramada Hotel
<b>8.30 - 12:00</b>	Technical visits: TRIGA Reactor, Hot Cells, Radioactive Waste Treatment Plant
<b>13:30 - 15:00</b>	Lunch in Bucharest, Village Museum



## Poster Session 1

### Nuclear Technology and Materials

<b>S1-P1</b>	Aurică Barbu, A. Băilescu, M. O. Cojocaru <i>Nuclear Fuel Plant Pitesti Romania</i>	Experimental Study on the Sintering Behavior of Powder Mixtures of Triuranium Octoxide in Hyperstoichiometric Uranium Dioxide
<b>S1-P2</b>	Anca Gheorghe, Bogdan Negulici <i>SNN – CNE Cernavoda, Romania</i>	Cernavoda Nuclear Power Plant Assessment Techniques for Pressure Tubes Degradation Mechanisms
<b>S1-P3</b>	Dumitru Puiu, T. Gyongyosi, T. Meleg, E. Dinu <i>RATEN-ICN Pitesti Romania</i>	Development of Practical Techniques to Estimate the Power Cable Ageing by Thermal Methods
<b>S1-P4</b>	Lidia Doca, C. Doca <i>RATEN-ICN Pitesti Romania</i>	The CANDU Outlet Feeder's Wall Thinning by Flow Accelerated Corrosion – A Minimal Predictor Model
<b>S1-P5</b>	Cezar Doca, C.Paunoiu <i>RATEN-ICN Pitesti Romania</i>	A Practical Tool for the Common and Not Common Frequencies Detection in Two or More Congruent Spectra
<b>S1-P6</b>	Simona Mogosan, D. Lucan, M. Fulger, M.Tunaru <i>RATEN-ICN Pitesti Romania</i>	The Influence Of Hydrazine as Oxygen Scavenger on Incoloy 800 Tubing of Nuclear Steam Generators during the Wet Lay-Up
<b>S1-P7</b>	E. Coacă, S. Florea, M. Mihalache, M. Mincă, L. Velciu, D. Dinica, M. Tacica, V. Andrei <i>RATEN-ICN Pitesti Romania</i>	Microstructure and Properties of Thin Films Formed by Plasma Electrolysis Processing of Iron Based Structural Materials
<b>S1-P8</b>	Lucian Velciu, T. Meleg, A. Nițu, L. Popa, D. Diniăși <i>RATEN-ICN Pitesti Romania</i>	Assessment of some Nickel-Based Alloys after Thermal Transient Tests
<b>S1-P9</b>	Silviu Ionescu, M. Mincu, I. Man, O. Uta , I. Prisecaru <i>RATEN-ICN Pitesti Romania</i>	Mechanical Tests on CANDU Pressure Tubes Performed at INR Pitesti
<b>S1-P10</b>	Laurentiu Popa, M. Fulger, L. Velciu, M. Lazăr <i>RATEN-ICN Pitesti Romania</i>	Localized Corrosion of Dissimilar Welds between Austenitic Stainless Steel and Carbon Steel Components from Secondary Circuit of Nuclear Power Plant
<b>S1-P11</b>	Iulia Dumitrescu, M. Mihalache, M. Abrudeanu <i>RATEN-ICN Pitesti Romania</i>	Impurities Determination on Nuclear Fuel Pellets using ICP-aaTOFMS
<b>S1-P12</b>	Gabriela Gheorghe, I. Man, M. Mincu <i>RATEN-ICN Pitesti Romania</i>	Nondestructive Post-Irradiation Examination of a CANDU Fuel Bundle from Cernavoda Nuclear Power Plant
<b>S1-P13</b>	Raluca Florentina Negrea, D. Negrea <i>RATEN-ICN Pitesti Romania</i>	Structural characterization of New Intermetallic Compounds used as Targets for Iridium and Cobalt Gamma Radiation Sources
<b>S1-P14</b>	E. Coacă, M. Mincă, S Florea, M. Mihalache, L.Velciu, M. Tacica, V. Andrei <i>RATEN-ICN Pitesti Romania</i>	Surface Modification/ Alloying using Plasma Electrolysis Processing as a Tool for Improving the Corrosion Behavior of Austenitic Stainless Steels used as Nuclear Structural Materials
<b>S1-P15</b>	Ion Ionita, M. Balasoiu, G.D. Bokuchava, A.I. Kuklin, G. Torok, D. Soloviev, M. Fulger, P. Beran <i>RATEN-ICN Pitesti Romania</i>	Study of the Aging Behavior of Materials Important in Nuclear Energy Field - Incoloy 800 HT and 304L Steel- using Neutron Scattering Techniques
<b>S1-P16</b>	Mariana Tunaru, S. Mogosan, L. Popa <i>RATEN-ICN Pitesti Romania</i>	The Kinetics of Carbon Steel Corrosion in the Presence of Iron Oxidizing Bacteria
<b>S1-P17</b>	Marin Dinca <i>RATEN-ICN Pitesti Romania</i>	Thermal Neutron Tomography at Institute for Nuclear Research Pitesti

Wednesday, May 28 (10:30 - 11:30)

<b>S1-P18</b>	Gheorghe Florescu, V. N. Panaitescu, I.B. Florescu, V. Gheorghe <i>RATEN-ICN Pitesti Romania</i>	Increase of Power Units Efficiency Based on Thermal Energy Conversion
<b>S1-P19</b>	Gabriel Ghita <i>RATEN-ICN Pitesti Romania</i>	Improving Electromagnetic Flow Meter Sensibility
<b>S1-P20</b>	Tiberiu Gyongyosi, S. Valeca, V. N. Panaitescu, I. Prisecaru <i>RATEN-ICN Pitesti Romania</i>	Plugging Tests For Stopping of the Industrial / Service Water Flow Through Horizontal High Diameter Tube (200 Mm Nominal Diameter) with Artificial Ice Plug
<b>S1-P21</b>	Tiberiu Gyongyosi, I. Prisecaru, V. N. Panaitescu, S. Nicolici <i>RATEN-ICN Pitesti Romania</i>	The First Experimental Tests to Isolate the Steam Generator Tube by Plugging of the Inlet into Tube Sheet
<b>S1-P22</b>	Doina Stefanescu, M. Mihalache, D.Petrescu <i>RATEN-ICN Pitesti Romania</i>	Effective use of Corrosion Inhibitors in Concrete Reinforcement
<b>S1-P23</b>	Carmen Maria Moraru, I. Stefan, C.Bucur, O. Balteanu, N. Sofilca <i>ICSI - Rm.Valcea, Romania</i>	Contributions to the Optimization and Simulation of the Processes from the Installation for Tritium Separation in LABVIEW and POWERVIEW Software
<b>S1-P24</b>	Claudiu Costeanu <i>ICSI - Rm. Valcea, Romania</i>	Tritium gas handling/storage system proposal for the TRF at ICIT Ramnicu Valcea
<b>S1-P25</b>	Sorin Gherghinescu, G. Popescu, I. Spiridon <i>ICSI - Rm. Valcea, Romania</i>	Proposal of a Dynamic Hydro-Gas Redistribution Pan for Isotopic Exchange Process Optimization in Columns with Catalytic Mixt Packings

## Poster Session 2

### Nuclear Safety and Severe Accidents

<b>S2-P1</b>	Kaveh Karimi, F. Yousefpour, A.A. Tehranifard, M. Pourgol-Mohammad, G. Jahanfarnia <i>Islamic Azad University Tehran -Iran</i>	Optimizing Maintenance Crediting Maintenance Rule: A Case Study on Safety Injection System
<b>S2-P2</b>	Seyed Mohsen Hoseyni, F. Yousefpour, M. Pourgol-Mohammad, K. Karimi, G. Jahanfarnia <i>Islamic Azad University Tehran -Iran</i>	A Commentary on Success Criteria Analysis in Support of PSA
<b>S2-P3</b>	Ramona-Maria Voiculescu, V.M. Nistor, M. C. Olteanu <i>RATEN - ICN Pitesti Romania</i>	Relationship between Security Culture and Safety Culture
<b>S2-P4</b>	Gabriela Radu, I. Prisecaru <i>RATEN - ICN Pitesti Romania</i>	Simulation of Molten Corium Concrete Interaction for the Reactor Case in Initial Wet Conditions
<b>S2-P5</b>	Marieta Serbanel <i>RATEN - ICN Pitesti Romania</i>	A Parametric Study of CANDU Fuel Channel Using RELAP5 Code
<b>S2-P6</b>	Minodora Apostol, M. Nitoi, A.Popa, M. Farcasiu <i>RATEN - ICN Pitesti Romania</i>	INR Preliminary Activities for ALFRED Demonstrator PSA Level 1
<b>S2-P7</b>	Alis Musa,I. Prisecaru, S.Nicolici <i>University Politehnica Bucharest Romania</i>	Numerical Investigation of Natural Circulation Flow in AP 1000 Passive Heat Removal System Using ACSLXtreme

### Nuclear Reactors and Generation IV

<b>S2-P8</b>	Doina Pantazi, R. Dinca, A. Musa <i>RATEN - CITON Romania</i>	Application of Computer Code KENO to the Assessment of Nuclear Fuels Criticality
<b>S2-P9</b>	Iulian Nita, I. Jianu, D. Icleanu <i>RATEN - CITON Romania</i>	FireWater Pumping Station from NPP Cernavoda - Transient Analysis
<b>S2-P10</b>	Catalina Cimpeanu, C. Barna <i>IFIN-HH, Romania</i>	99mTc obtaining at IFIN-HH-DRMR

## Radioactive Waste Management

<b>S2-P11</b>	Magdalena Dianu <i>RATEN - ICN Pitesti Romania</i>	Chlorine Separation by Extraction Chromatography for <sup>36</sup> Cl Evaluation
<b>S2-P12</b>	Constantin-Marius Olteanu, R.M. Voiculescu, V.M. Nistor <i>RATEN - ICN Pitesti Romania</i>	Scale Models Package Use for Demonstrating Compliance with Requirements of the Transport Regulations
<b>S2-P13</b>	Liliana Bujoreanu, D. Bujoreanu <i>RATEN - ICN Pitesti Romania</i>	LSC Method For C-14 Measurement in Solid Radioactive Waste
<b>S2-P14</b>	Carmen Arsene <i>RATEN - ICN Pitesti Romania</i>	Conditioning Tests of used Cartridges Containing Active Charcoal
<b>S2-P15</b>	Cristina Diaconescu, C. Ichim, I. Florea <i>RATEN - ICN Pitesti Romania</i>	Method for Gamma Emitters Measurement in Spent Ion Exchange Resins

## Radioprotection & Air, Water and Soil Protection

<b>S2-P16</b>	Relu Dobrin, C. Dulama, A. Toma, C.Ciocirlan,G. Zavoianu <i>RATEN - ICN Pitesti Romania</i>	Cherenkov Counting of <sup>90</sup> Sr- <sup>90</sup> Y in a Liquid Scintillation Counter — Instrument Performance Data
<b>S2-P17</b>	Marius Miricioiu, C. Ciucure, D. Neamtu, G. Saros <i>ICSI Rm Valcea Romania</i>	Advances in Gas Purity Investigation by Chromatographic Techniques
<b>S2-P18</b>	Felicia Bucura, A. Zaharioiu, M. Constantinescu <i>ICSI Rm Valcea Romania</i>	Environmental Protection by monitorisation of impact factors
<b>S2-P20</b>	Corina Ciucure, R. E. Ionete, D. Neamtu, M. Miricioiu, M. Constantinescu <i>ICSI Rm Valcea Romania</i>	Application of polymeric membranes to reduce flue gases

## Research Infrastructure

<b>S2-P21</b>	Valeriu Florescu <i>RATEN - ICN Pitesti Romania</i>	Modelling a Linear Ironless PMSM and the Control Structure
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## International Partnership for a Sustainable Development

<b>S2-P22</b>	Mirela Nitoi, M. Apostol, M. Farcasiu <i>RATEN - ICN Pitesti Romania</i>	INR Activities Regarding ASAMPSA_E Project
<b>S2-P23</b>	Victoria Balaceanu, L. M. Georgescu, C. Valache, E. Dragan <i>RATEN - ICN Pitesti Romania</i>	The Achievements of the "Study Case: the Development and Implementation of the Knowledge Transfer and Preservation Process at Cernavoda NPP" Project
<b>S2- 24</b>	Ioan Iordache, Gh.Ionita <i>ICSI - Rm. Valcea, Romania</i>	Upgrading Capacity to Develop and Implement the Technology for Tritium Removal from Heavy Water at the Cernavoda Nuclear Power Plant