

		Room A Conference Hall	Room B S I	Room C S III	Room D Red Room
May 27	8:30	Departure to ICN (bus from Muntenia Hotel with a stop to Ramada Hotel)			
	08:30 - 09:30	Registration			
	09:30 - 10:45	Opening Ceremony, Key Notes Ionel Purica Awards			
		Poster Session 1 with Coffee&Tea			
	10:45 - 11:30	Plenary Session 1			
	11:30 - 13:30	Lunch			
	13:30 - 14:30				
	14:40 - 16:00	Parallel Sessions	Sustainable Development	Radioactive Waste Management	Education Training and Knowledge Transfer
	16:00 - 16:10		Coffee break		
	16:10 - 17:30		Sustainable Development	Radioactive Waste Management	Education Training and Knowledge Transfer
17:40	Departure to Pitesti				

		Room A Conference Hall	Room B S I	Room C S III	Room D Red Room
May 28	8:30	Departure to ICN (bus from Muntenia Hotel with stop to Ramada Hotel)			
	09:00 - 10:30	Plenary Session 2			
	10:30 - 11:30	Poster Session 2, Coffee&Tea			
	11:30 - 13:30	Plenary Session 2			
	13:30 - 14:30	Lunch			
	14:40 - 16:00	Parallel Sessions	Nuclear Reactors and Nuclear Safety & Severe Accidents	Nuclear Technology and Materials	Radioprotection & Air, Water and Soil Protection
	16:00 - 16:10		Coffee break		
	16:10 - 17:30		Nuclear Reactors and Nuclear Safety & Severe Accidents	Nuclear Technology and Materials	Radioprotection
	17:30 - 17:50	Nuclear 2015 Awards; Conference closure			
	18:00	Departure to Pitesti			
20:00	Conference Dinner at RAMADA Hotel				

May 29	8:00	Departure to ICN (bus from Muntenia Hotel with stop to Ramada Hotel)			
	8.30 - 12:00	Technical visits: TRIGA Reactor, Hot Cells, Radioactive Waste Treatment Plant			
	13:30 - 15:00	Lunch in Horezu (transport provided)			
	17:00	Arrival in Pitesti			

Wednesday, May 27

08:30 - 09:30	Registration
09:30 - 10:00	Opening Ceremony;
10:00 - 10:45	Key notes
	Awards of Ionel Purica Prizes
10:45 - 11:30	Poster Session 1 with Coffee & Tea

PLENARY SESSION I

Room A

Chairman: Christophe Davies**Co-chairman:** Maria Roth

11:30 - 12:00	<u>Christophe Davies</u> European Commission DG RTD	EU Energy & Climate Change Policy and Nuclear Fission Research
12:00 - 12:30	<u>Alessandro Alemberti</u> , M.Frignani, G. Villabruna, P.Agostini, G. Grasso, M.Tarantino, I.Turcu, M. Constantin, D. Diaconu, F.Di Gabriele, N.Witzanyová, M. Kryková ANSALDO NUCLEARE - Italy	ALFRED and i-CRADLE: A Distributed Lead Technology Research Infrastructure
12:30 - 13:00	<u>Gerard Cognet</u> CEA France	French Nuclear Energy Program in a Sustainable Energy Mix
13:00 - 13:30	<u>Vasile Radu</u> RATEN ICN Romania	Probabilistic Fracture Mechanics Applied for LBB Case Study: International Benchmark
13:30 - 14:30	Lunch	

Parallel Sessions

Wednesday, May 27

Policies and Strategies & International Partnership

Room B

Chairman: Vasile Stanciu**Co-chairman:** Madalina Tronea**Session III.1 & III.4**

14:40 – 15:00	<u>Madalina Tronea</u> , C. Ciurea - Ercau, E. Dinca	CNCAN Romania	Progress in the Implementation of the National Strategy for Nuclear Safety and Security
15:00 – 15:20	<u>Petre Ghitescu</u> , G.L.Pavel	UPB Romania	Developing Criteria for Mutual Recognition
15:20 – 15:40	<u>Andrei Roth</u> , C.A. Margeanu	Babeş Bolyai University Romania	Nuclear Energy's Place in the EU Energy Policy
15:40 – 16:00	<u>Minodora Apostol</u> , M. Constantin, D. Diaconu	RATEN ICN, Romania	Public participation in decision making process on nuclear facilities
16:00 – 16:10	Coffee break		
16:10 – 16:30	<u>Cristina Alice Margeanu</u> , M.Apostol, I. Visan, I.Prodea	RATEN ICN Romania	Evaluation of Nuclear Power Development Scenarios in Romania Envisaging the Long-term National Energy Sustainability
16:30 – 16:50	<u>Mirela Nitoi</u> , M. Apostol, M. Farcasiu	RATEN ICN, Romania	Multi-Unit Site and its Challenges for Risk Assessment
16.50 – 17:10	<u>Dumitru Chirleşan</u> , G.Chirleşan, S.Valeca	University from Pitești, Romania	Curriculum Design for VET in Nuclear Domain. EQF, ECVET and other specific methodologies and tools
17:10 – 17:30	<u>Alexandru Adrian Voicu</u>	Cernavoda NPP Romania	Integrated Risk Management leads to performance of the nuclear near future

Wednesday, May 27

Radioactive Waste Management

Room C

Chairman: Steve Williams

Co-chairman: Crina Bucur

Session II.2

14:40 - 15:00	<u>C. Arsene, Camelia Ichim</u>	RATEN ICN Romania	Estimate of Cesium Transport From Aqueous Radioactive Waste Using Emulsions as Carrier
15:00 - 15:20	<u>Steve Williams, E. Scourse</u>	RWM United Kingdom	Carbon-14 Source Term in Geological Disposal: The EC Project CAST
15:20 - 15:40	<u>Anastasia Savidou</u>	National Centre for Scientific Research "Demokritos" Greece	Future prospects for the Management of Radioactive Waste in Greece
15:40 - 16:00	<u>Veronica Andrei, T.Chirica, F. Glodeanu, I. Prisecaru</u>	AREN Romania	Use of Experience from Previous National Nuclear Projects in Support of Planning a Sustainable Geological Disposal R&D Program
16:00 – 16:10	Coffee break		
16:10 - 16:30	<u>F Tatar, A.Dima, F.Glodeanu, B.Miller, Roxana Mosmonea</u>	AMEC Romania	The Management of Financial Resources Intended for Radioactive Waste and Decommissioning of the Nuclear Facilities in the European Union
16:30 – 16:50	<u>Raluca Fako, M. Filip, A.Ivan, D Icleanu</u>	RATEN CITON Romania	Visions about Future – Forecasting the Evolution of Long Term Radioactive Waste Disposal Systems Based on Archaeological Inventories
16:50 - 17:10	<u>Crina Bucur, D.Diaconu, M. Fulger, C Iorgulis, M.Dianu</u>	RATEN ICN Romania	C-14 In CANDU spent fuel and Long-Lived Radioactive Waste generated by Cernavoda NPP

Wednesday, May 27

Education, Training and Knowledge Transfer

Room D

Chairman: Serban Valeca

Co-chairman: Alexandru Toma

Session III.3

14:30 - 14:50	<u>Serban Valeca, D.Chirlesan, M.Valeca, G.Chirlesan</u>	University from Pitesti, Romania	NKM 'front end" : UPIT Educational offer
14:50 - 15:10	<u>Alexandru Toma</u>	RATEN ICN, Romania	Carrier opportunities at RATEN ICN
15:10 - 15:30	<u>Serban Valeca, Dumitru Chirlesan, G. Chirleşan</u>	University of Pitesti, Argeş, Romania	Sustainable Development Based on Nuclear Energy – Implications from HR Perspective
15:30 – 15:50	Coffee break		
15:50 - 16:10	<u>Irina Paraschiv, C.Bucur, M.Valeca</u>	University from Pitesti, Romania	Laboratory experiments for evaluation of Cs transport through geological environments for radioactive waste disposal
16:10 - 16:30	<u>Stefan Stoenescu, M.Ancuta, M. Valeca</u>	University from Pitesti, Romania	The development of irradiation testing technology for SEU 43 advanced nuclear fuel
16:30 - 16:50	<u>Alina Radut, M. Dulama, S. C. Valeca, M. Valeca</u>	University from Pitesti, Romania	Treatment of Liquid Radioactive Waste by Ion Exchange – Organic Ion Exchange Media vs. Inorganic Ion Exchange Media
16:50 – 17:10	<u>Cristina Dobrinoiu, D. Diaconu, S. Valeca</u>	University from Pitesti, Romania	Flow simulation using FEHM computer code for an extreme dry conditions

Thursday, May 28

PLENARY SESSION II**Room A****Chairman: Jacques Delay****Co-Chairman: Marin Constantin**

09:00 - 09:30	<u>John Saroudis</u> <i>CANDU Energy, Canada</i>	Advancing the CANDU Technology Option for Europe
09:30 - 10:00	<u>Anne MacIntosh</u> <i>COG Canada</i>	Fuel Channel Life Management
10:00 - 10:30	<u>Jacques Delay</u> <i>ANDRA France</i>	The Implementing Geological Disposal of Radioactive Waste Technology Platform. Main achievements in 2015
10:30 - 11:30	Poster Session 2 with Coffee&Tea	
11:30 - 12:00	<u>Raymond Kowe</u> , T. Beattie, G. Buckau, C. McCombie <i>RWM UK</i>	Overview of the IGD-TP's Planning Geological Disposal of Radioactive Waste in Europe (PLANDIS) workshop
12:00 - 12:30	<u>Ioan Ursu</u> <i>IFIN -HH Romania</i>	Shedding Light on ELI-NP
12:30 - 13:00	<u>Serban Constantin Valeca</u> , D.Diaconu, I.Turcu <i>RATEN ICN Romania</i>	Strengthening ICN International Cooperation
13:00 - 13:30	Marin Constantin, <u>Daniela Diaconu</u> , I.Turcu, M.Nitoi, M.Apostol, D.Gugiu <i>RATEN ICN Romania</i>	ARCADIA Project - Support for ALFRED Demonstrator Implementation
13:30 - 14:30	Lunch	

Parallel Sessions

Thursday, May 28

Nuclear Reactors and Nuclear Safety & Severe Accidents**Room B****Chairman: Cantemir Ciurea-Ercau****Co-chairman: Mohammed Sallah****Session I.1 & I.2**

14:40 - 15:00	<u>Karin Popa</u> , O.Beneş, P. E. Raison, P. Pöml, J.C. Griveau, E. Colineau, D. Freis, J. F. Vigier, R. J.M. Konings, J. Somers	ITU Germany	Reaction products in the U-Bi-O and U-Pb-O systems: synthesis and characterization
15:00 - 15:20	<u>Mohammed Sallah</u>	Mansoura University Egypt	Fractional Neutron Transport in Finite Clumpy Reactors with Higher-order Scattering
15:20 - 15:40	<u>Gholamreza Jahanfarnia</u> , M. Salehi	Islamic Azad University Iran	The In-Vessel Melt Retention Strategy Using the RELAP5/SCDAP Code for VVER-1000 reactor
15:40 - 16:00	<u>Cantemir Ciurea - Ercau</u> , M. Tronea, E. Dinca	CNCAN Romania	Regulatory Approach to Design Extension Conditions
16:00 - 16:10	Coffee break		
16:10 - 16:30	M. Tronea, C. Ciurea-Ercau, <u>Elena Dinca</u>	CNCAN Romania	Progress with the Implementation of Lessons Learned from the Fukushima Daiichi Accident
16:30 - 16:50	<u>Iulian Pavel Nita</u> , R. Pancef	RATEN CITON Romania	Cernavoda Unit2 Recirculated Cooling Water System Transient Analysis
16.50 - 17:10	<u>Iuliana Visan</u> , G. Giubega, A. Tudora	RATEN ICN Romania	Preliminary Results of Total Kinetic Energy Modelling for Neutron-Induced Fission
17:10 - 17:30	<u>Georgiana Giubega</u> , A. Tudora, F.-J. Hamsch, I. Visan	University of Bucharest Romania	Preliminary Results in Even-Odd Effects in Prompt Emission for $^{234}\text{U}(n,f)$ at 14 Incident Energies

Thursday, May 28

Nuclear Technology and Materials**Room C****Chairman: Daniel Freis****Co-chairman: Dumitra Lucan****Session I.3**

14:40 - 15:00	<u>Daniel Freis</u> , <u>K. Popa</u> , <u>J. Somers</u>	ITU Germany	Fuel Safety Investigations at the Institute of Transuranium Elements
15:00 - 15:20	<u>B. Gonzalez</u> , <u>J. Lim</u> , <u>G. Manfredi</u> , <u>A. Marino</u> , <u>K. Rijpstra</u> , <u>K. Rosseel</u> , <u>Alexander Aerts</u>	SCK.CEN Belgium	Current Status of the Chemistry and Conditioning Programme for MYRRHA
15:20 - 15:40	<u>Dumitra Lucan</u> , <u>L. Velciu</u>	RATEN ICN Romania	Experimental Research Concerning the Degradations of CANDU Steam Generator
15:40 - 16:00	<u>Maria Mihalache</u> , <u>I.Dumitrescu</u> , <u>M. Fulger</u>	RATEN ICN Romania	Characterisation of Oxides Developed in Supercritical Water on 18Cr-20Mn ODS Steel
16:00 - 16:10	Coffee break		
16:10 - 16:30	<u>Tiberiu Meleg</u>	RATEN-ICN Romania	Cool-Down Oxidation in Steam and Air of Preoxidized ZY-4 Cladding
16:30 - 16:50	<u>Marin Mincu</u> , <u>O. Uta</u>	RATEN-ICN Romania	Analysis of Fission Gases Released in The Void Volume of Irradiated Fuel Rods
16.50 - 17:10	<u>Madalina Stanciulescu</u> , <u>P.Carlan</u> , <u>M. Abrudeanu</u> , <u>A. Galateanu</u> , <u>M. Mihalache</u> , <u>G. Bucsa</u>	RATEN-ICN Romania	Investigation on Mechanical Alloying Process for V-Cr-Ti Alloys

Thursday, May 28

Radioprotection & Air, Water and Soil Protection**Room D****Chairman: Radu Vasilache****Co-chairman: Cristian Dulama****Session II.1 & II.3**

14:40 – 15:00	<u>Sami A. Hamdan</u> , <u>Fawzi A. Ikraïem</u> , <u>N.A.Abdulhussein</u>	Omer AL-Muhktar University Libya	Investigation of Optical Properties of Zn _x Cd _{1-x} O Semiconductor Oxides Fired at Different Temperature Ranges
15:00 – 15:20	<u>Radu Vasilache</u>	Canberra Packard Romania	Considerations on the dose – response relationships and their implications on the radiological protection regulations
15:20 – 15:40	<u>Alexandru Toma</u> , <u>C. Dulama</u> , <u>O. Hiriță</u> , <u>R. Dobrin</u> , <u>M. Valeca</u>	RATEN ICN Romania	Rapid Methods for Radiological Monitoring in Emergency Situations
15:40 – 15:50	Coffee break		
15:50 – 16:10	<u>Cristian Dulama</u> , <u>A. Toma</u> , <u>R. Dobrin</u>	RATEN ICN Romania	Methodology for Radiological Characterization of Large Items Contaminated with Gamma Emitting Radionuclides
16:10 – 16:30	<u>Relu Dobrin</u> , <u>C.N. Dulama</u> , <u>C. Ciocirlan</u> , <u>A. Toma</u>	RATEN ICN Romania	Measurement of ⁹⁰ Sr- ⁹⁰ Y in Aqueous Samples using Exclusive Cherenkov Counting and Combining Cherenkov Counting with LSC
16.30 – 16:50	<u>M. Constantin</u> , <u>Daniela Diaconu</u>	RATEN ICN Romania	Investigation of the Mental Models on Ionizing Radiation in Romania

17:30 **NUCLEAR 2015 Awards****20:00** **Conference Dinner (Ramada Hotel)**

Friday, May 29	8:00	Depart from Muntenia Hotel
	8.30 - 12:00	Technical visits: TRIGA Reactor, Hot Cells, Radioactive Waste Treatment Plant
	13:30 - 15:00	Lunch in Horezu

Poster Session 1 - Wednesday, May 27 (10:30 - 11:30)

Nuclear Reactors, Safety & Severe accidents

S1-P1	G. Jahanfarnia, M. H. Rahimi <i>Islamic Azad University Tehran -Iran</i>	Porous Media Approach In Thermal-hydraulic Core Analysis of Pressurized Water Reactors
S1-P2	I. P. Nita <i>RATEN CITON, Romania</i>	The influence of River Water Temperature Annual Variation on the Moderator Heat Exchangers Heat Flux
S1-P3	D. L. Icleanu, I. Prisecaru, R. Costin Secareanu, A. I. Ivan <i>RATEN CITON, Romania</i>	Cladding Corrosion Rate of the Spent Fuel Elements Stored in the Spent Fuel Bay
S1-P4	M. Popescu, F. Vacariu, M. Vlad, R. Popovici, I. Patrascu, I. Zarif <i>RATEN CITON, Romania</i>	A Technical Approach for Automated Testing of Safety Systems in Cernavoda Nuclear Power Plant
S1-P5	A. Rizoiu, G. Olteanu <i>RATEN ICN, Romania</i>	Preliminary Cell Calculations to Support T43 Fuel Design
S1-P6	M. Serbanel <i>RATEN ICN, Romania</i>	Evaluation of Thermalhydraulic Parametres for some Important Accident Transients of CANDU Reactor using RELAP5 Code
S1-P7	I. Prodea <i>RATEN ICN, Romania</i>	A Neutronic Modeling Approach of LOCAs in a CANDU Core Fed with Thorium-based Fuel Bundles
S1-P8	R.M. Roman, D.V. Ionescu, G. Olteanu, A. Paraschiv <i>RATEN ICN, Romania</i>	Analysis of CANDU Fuel Element Behaviour in LOCA Test
S1-P9	C. Constantinescu <i>RATEN ICN, Romania</i>	Considerations on assessment of different time depending models adequacy
S1-P10	M. Farcașiu, M. Nitoi <i>RATEN ICN, Romania</i>	Requirements to Amend the Main Influence Factors of the Safety Culture after Fukushima Accident
S1-P11	Gh. Florescu, L. Nitulescu, V. N. Panaitescu, I. B. Florescu <i>RATEN ICN, Romania</i>	Safety and Reliability of the Nuclear Power Plants that use Different Thermal Cycles in order to Increase their Global Efficiency
S1-P12	S.I. Spiridon, M. Vacaru, I. Nuta, L. Grigore, O. Orban <i>ICSI Rm. Valcea, Romania</i>	Shielding Design Proposal for Mobile Firefighting Robot used in Fire Prevention and Explosion Situations
S1-P13	C. M. Moraru, I. Stefan, C. Bucur, O. Balteanu, N. Sofilca <i>ICSI Rm. Valcea, Romania</i>	Simulation of the Nitrogen Liquefaction Installation Behavior and the Yield Mapping Turbodetentor from Tritium Separation Plant

Radioactive Waste Management

S1-P14	F. Sociu, G. Barariu <i>RATEN CITON, Romania</i>	The CITON Contribution on the Improvement of Technologies to Radioactive Waste Facilities, a Responsible and Ethic Activity
S1-P15	C. Ichim, I. Florea, L. Bujoreanu, C. Bucur <i>RATEN ICN, Romania</i>	Laboratory Experiments to Measure Cs-137 Transport Parameters in Porous Media
S1-P16	L. Bujoreanu, D. Bujoreanu <i>RATEN ICN, Romania</i>	Comparative Study of Solid Waste Combustion and Microwave Digestion Methods for C-14 Measurement by LSC
S1-P17	M. Dianu, C. Bucur <i>RATEN ICN, Romania</i>	Sequential Separation of Cs, Ca and Ba for 90Sr Assessment
S1-P18	M. Dulama, C. Dulama, N. Deneanu, A. Piscureanu <i>RATEN ICN, Romania</i>	Efficiency evaluation of nuclear grade resins selected for improvement of the aqueous radioactive waste treatment technology
S1-P19	N. Deneanu, M. Dulama, C. N. Dulama, M. Iordache, S. Stanciu, A. Piscureanu <i>RATEN ICN, Romania</i>	Performances of Solidification Agents used for Treatment of Tritiated Organic Liquid Waste
S1-P20	V. Fugaru, C. Postolache, M.R. Ioan, M. Dragusin <i>IFIN HH Romania</i>	¹⁴ C Determination in Irradiated Graphite from the Thermal Column of the VVR-S Reactor
S1-P21	M. Olteanu, C. Bucur	A Destructive Sample Preparation Method for

	<i>RATEN ICN, Romania</i>	Radioactive Waste Characterization
Sustainable Development		
S1-P22	C. Ciurea - Ercau, M. Tronea, E. Dinca <i>CNCAN Romania</i>	Regional Excellence Project on Regulatory Capacity Building in Nuclear and Radiological Safety, Emergency Preparedness and Response in Romania 2013-2016
S1-P23	I. Iordache, D. Schitea, M. Buga <i>ICSI Romania</i>	Perspectives for Nuclear Hydrogen in Romania
Education, Training and Knowledge Management		
E1-P1	A. Gheorghe, I. Dumitrescu <i>University from Pitesti, Romania</i>	Determination of Trace Elements Content from Steam Generator Deposits by TOF ICP MS
E1-P2	M. Japalau, T. Meleg <i>University from Pitesti, Romania</i>	Thermophysical Properties of UO ₂ at High Temperatures
E1-P3	M. R. Vlădescu, N.Deneanu, M.Dulama, M.Olteanu, L.Bujoreanu, S.Valeca <i>University from Pitesti, Romania</i>	Determination of the Tritium Activity Concentration in the Molecular Sieve Resulted from the Normal Operation of CANDU Nuclear Power Plants
E1-P4	A. Brumar, M.Dianu, M.Iordache, S.Valeca <i>University from Pitesti, Romania</i>	Separation and Activity Evaluation of ³ H and ¹⁴ C in Graphite Samples
E1-P5	P. Grosu, V. Ionescu <i>University from Pitesti, Romania</i>	The Elastic Characterization of Zr-2.5%Nb Alloy Pressure Tube by Ultrasonic Methods
E1-P6	G. N. Călin, S. C. Valeca, V. Pitigoi <i>University from Pitesti, Romania</i>	Characterization of mechanical properties of Zircaloy-4 cladding by burst tests
E1-P7	M. Martinescu, I. Prodea, S. C. Valeca <i>University from Pitesti, Romania</i>	A Study Regarding the CANDU Fuel Bundle Geometry Influence on Lattice Parameters of Interest for Nuclear Fuels with Natural and Slightly Enriched Uranium
E1-P8	G. Gulescu, M. Apostol, S. C. Valeca <i>University from Pitesti, Romania</i>	Implementation of Defence in Depth for Lead Fast Reactors
E1-P9	A. Răduț, M. Dulama, S. C. Valeca, M. Valeca <i>University from Pitesti, Romania</i>	Treatment of Liquid Radioactive Waste by Ion Exchange – Organic Ion Exchange Media vs. Inorganic Ion Exchange Media
E1-P10	A. Iacob, S. Valeca, Gh. Florescu <i>University from Pitesti, Romania</i>	Increasing the Performance and the Efficiency of the New Generation of Nuclear Power Plants
E1-P11	A. Stan, A. Dinu, L. Velciu <i>University from Pitesti, Romania</i>	The Behavior of Steam Generator Tubing of a CANDU NPP on Stress Corrosion Cracking in Caustic Environment
E1-P12	L.Safta, S. C. Valeca, A. Nitu <i>University from Pitesti, Romania</i>	Failure analysis on CANDU structural materials by DHC mechanism
E1-P13	I. M. Paraschiv, C. Bucur, M. Valeca <i>University from Pitesti, Romania</i>	Laboratory Experiments for Evaluation of Cs Transport Parameters through Geologic Environments for Radioactive Waste Disposal
E1-P14	S.Stoenescu, M. Ancuta, S. C.Valeca <i>University from Pitesti, Romania</i>	The Development of Irradiation Testing Technology for SEU-43 Advanced Nuclear Fuel
E1-P15	D. Stefanescu, M. Gheordunescu <i>University from Pitesti, Romania</i>	Investigation of Reinforcement Corrosion from the Reactor Concrete Containment
E1-P16	C. Dobrinouiu, D. Diaconu <i>University from Pitesti, Romania</i>	Flow simulation using FEHM computer code for an extreme dry conditions
E1-P17	Bogdan Turcitu, I. Priscearu, Șt. Nicolici <i>University Politehnica Bucharest, Romania</i>	Study of the applicability of CFD codes for thermohydraulic analyses specific for Gen IV Nuclear Reactors
E1-P18	Amalia Fica, S. Valeca, G. Androne <i>University from Pitesti, Romania</i>	Determination of the concentration of actinides by mass spectrometry inductively coupled plasma
E1-P19	M. Pătrașcu, E. Coacă, G. Oncioiu, M.Mihalache, L. Velciu, V. Andrei, C. Dincă, D. Dinică, V. Malinovschi <i>RATEN ICN, Romania</i>	Plasma Electrolysis Processing for the Deposition of a Ceramic-like protecting Aluminium containing Layer on the AISI 304L and 316L Stainless Steels

Poster Session 2 - Thursday, May 28 (10:30 – 11:30)

Nuclear Technology and Materials

S2-P1	M. Filip, R. M. Fako <i>RATEN CITON, Romania</i>	Research for the Evaluation of the Chemical Decontamination Processes Effect on Metallic Surfaces Using ASME and API Standardized Technologies
S2-P2	C. Doca, C. Paunoiu <i>RATEN ICN, Romania</i>	Some Calculation Formulae for the CANDU 6 Hypoid Gearing. A Physical Point of View
S2-P3	L. Velciu, T. Meleg, A. Nițu, L. Popa <i>RATEN ICN, Romania</i>	Analysis of Incoloy 800HT Alloy Tested in Thermal Transient Conditions
S2-P4	I. Dumitrescu, M. Mihalache <i>RATEN ICN, Romania</i>	The Assessment of Temperature Influence on UO ₂ Fuel Pellets Fragmentation in Air Containing Atmospheres
S2-P5	D. Puiu, T. Gyongyosi, E. Dinu, P. Cristi <i>RATEN ICN, Romania</i>	Development of the Qualitative Techniques for Monitoring of the Power Cables Condition Using Infrared Analysis
S2-P6	M. Ioncescu, O. Uță <i>RATEN ICN, Romania</i>	Metallographic Examination of (UTH) O ₂ and UO ₂ Fuel Tested in Power Ramp Conditions in TRIGA Reactor
S2-P7	L. Popa, M. Fulger, L. Velciu, M. Lazăr <i>RATEN ICN, Romania</i>	Corrosion of Dissimilar Welds between Martensitic Stainless Steel and Carbon Steel from Secondary Circuit of CANDU NPP
S2-P8	M. Fulger, M. Mihalache, L. Velciu, M. Pantaru <i>RATEN ICN, Romania</i>	General corrosion properties of austenitic alloys in supercritical water
S2-P9	I. Ionita, G. Torok, G. Bokuchava, V. Andrei, E. Coaca, M. Minca, V. Malinovsky, L. Mitrea <i>RATEN ICN, Romania</i>	Neutron Scattering, X Ray Diffraction and Electron Spectroscopy Characterization of Microstructures Developed on 316L And 304-L Steels by Plasma Electrolysis Processing
S2-P10	R. Marinescu, M. Mincu <i>RATEN ICN, Romania</i>	Hydrogen Concentration Determination In Pressure Tube Samples Using Differential Scanning Calorimetry (DSC)
S2-P11	G. Gheorghhe, M. Mincu, I. Man <i>RATEN ICN, Romania</i>	Dimensional Measurements and Eddy Currents Control of the Sheath Integrity for a Set of Irradiated CANDU Fuel Elements
S2-P12	S. Ionescu, O. Uta, M. Mincu, D. Anghel, I. Prisecaru <i>RATEN ICN, Romania</i>	Study of CANDU Fuel Elements Irradiated in a Nuclear Power Plant
S2-P13	M. Dinca, A. D. Dinu, M. Gabriela Stanciulescu, D. Mandescu <i>RATEN ICN, Romania</i>	Study of Archaeological Objects by Neutron Imaging, XRD and XRF
S2-P14	M. Deaconu, I. Ciuca, T. Meleg, M. Abrudeanu, A. Dinu, M. Mihalache, I. Furtuna <i>RATEN ICN, Romania</i>	Hydrogen Absorption Properties of U-Zr Alloy
S2-P15	M. Tunaru, L. Velciu, M. Stancu <i>RATEN ICN, Romania</i>	Microbiologically Influenced Corrosion of SA106gr.B Carbon Steel in Raw Water
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S2-P18	T. Gyongyosi, G. Deloreanu, D. Puiu, B. Corbescu, N. Anghel, E. Dinu <i>RATEN ICN, Romania</i>	The Influence of the Preliminary Clamping Force in Garter Spring Simulator Behaviour after First Six Years of Operation
S2-P19	I. Mircea, F. Magugliani, A. Alemberti, I. Turcu, M. Constantin <i>RATEN ICN, Romania</i>	Preliminary parametric analysis of the primary pump of the lead-cooled nuclear reactor ALFRED

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S2-P23	A.Soare, I. Csaki, C.Oprea, S.Soare, C.Predescu <i>ICSI Rm. Valcea, Romania</i>	Improved RU based bond coats as part of thermal barrier coating systems

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