

		Room A Conference Hall	Room D Red Room
May 24	8:15	Departure to ICN (bus from Muntenia Hotel with a stop at Ramada Hotel)	
	08:30 - 09:30	Registration	
	09:30 - 11:00	Opening Ceremony Key Notes	
	11:00 - 12:00	Poster Session I with Coffee&Tea	
	12:00 - 13:20	Plenary Session I	
	13:20 - 14:20	Lunch	
	14:30 - 15:30	Plenary Session II	Round Table: ALFRED: opportunities for industry
	15:30 - 16:00	Poster Session II with Coffee & Tea	
	16:00 - 18:00	Plenary Session II	
18:15	Departure to Pitesti		

		Room A Conference Hall	Room B S I	Room C S III
May 25	8:15	Departure to ICN (bus from Muntenia Hotel with a stop at Ramada Hotel)		
	09:30 - 10:50	ALFRED and Lead/Lead-bismuth Technology	Radioactive Waste Management	
	10:50 - 12:00	Poster Session III with Coffee&Tea		
	12:00 - 13:20	ALFRED and Lead/Lead-bismuth Technology	Radioactive Waste Management	
	13:20 - 14:20	Lunch		
	14:30 - 15:50	Nuclear Reactors, Nuclear Safety & Severe Accidents	Radioprotection & Air, Water and Soil Protection	Nuclear Technology and Materials
	15:50 - 16:10	Coffee break		
	16:10 - 17:30	Nuclear Reactors, Nuclear Safety & Severe Accidents	Radioprotection & Air, Water and Soil Protection	Nuclear Technology and Materials
	17:40 - 17:55	Nuclear 2017 Awards; Conference closure		
	18:00	Departure to Pitesti		
20:00	Conference Dinner at RAMADA Hotel			

May 26	8:00	Depart to Bucharest from Muntenia Hotel (with a stop at Ramada Hotel)		
	10:30 - 12:30	Technical visit: ELI-NP Magurele - Bucharest		
	13:30 - 15:00	Lunch in Bucharest (transport provided)		
	17:00	Arrival in Pitesti		

Wednesday, May 24	08:30 - 09:30	Registration	
	09:30 - 11:00	Opening Ceremony and Key notes	
	11:00 - 12:00	Poster Session I with Coffee & Tea	
	PLENARY SESSION I		Room A
	<i>Chairman: Didier De Bruyn</i>		<i>Co-chairman: Leon Cizelj</i>
	12:00 - 12:20	<u>Roger GARBIL</u> <i>DG RTD, EC</i>	Euratom success stories in facilitating pan-European collaborative research activities
12:20 - 12:40	<u>Manuel Martin Ramos</u> <i>EC, DG JRC</i>	JRC activities in nuclear safety, security and safeguards	
12:40 - 13:00	<u>Ilie Turcu</u> <i>RATEN ICN, Romania</i>	ALFRED Project - National perspective	
13:00 - 13:20	<u>Didier De Bruyn, H. Ait Abderrahim, P. Baeten & J. Verpoorten</u> <i>SCK.CEN, Belgium</i>	The Belgian MYRRHA ADS project: recent developments and future perspectives	
13:20 - 14:20	Lunch		

Wednesday, May 24	PLENARY SESSION II		Room A
	<i>Chairman: Roger Garbil</i>		<i>Co-chairman: Maria Roth</i>
	14:30 - 14:50	<u>Daniel Freis</u> <i>EC JRC, Germany</i>	The Joint Programme on Nuclear Materials of the European Energy Research Alliance
	14:50 - 15:10	<u>Benoit De Boeck</u> <i>BELV Belgium</i>	ETSON: Objectives and Activities
	15:10 - 15:30	<u>Leon Cizelj</u> <i>JSI Slovenia</i>	The role of ENEN in attracting, developing and retaining nuclear talents
	15:30 - 16:00	Poster Session II with Coffee & Tea	
<i>Chairman: Serban Constantin Valeca</i>			
16:00 - 16:15	<u>Constantin Paunoiu</u> <i>RATEN ICN, Romania</i>	RATEN ICN: achievements and perspectives	
16:15 - 16:30	<u>Alessandro Alemberti</u> <i>ANSALDO NUCLEARE, Italy</i>	The Lead Fast Reactor in Generation IV	
16:30 - 16:45	<u>Charlina Vitcheva</u> <i>DG JRC, EC</i>	Science and knowledge for EU policy	
16:45 - 17:00	<u>Official Ceremonies</u>	CESINA partnership signature CESINA – ROMATOM MoU signature Students awards	
17:00 - 17:30	<u>Michael Brett</u> <i>COG, Canada</i>	CANDU Owners Group R&D Solutions for Today – Innovation for the future	
17:30 - 18:00	<u>John Saroudis</u> <i>JIS Consultanta SRL, Romania</i>	Meeting the Challenges of the Paris Agreement on Climate Change: The Role of Nuclear (a Case Study - Canada)	

May 24	ALFRED: Opportunities for Industry		Room D
	<i>Chairman: Alessandro Alemberti</i>		<i>Co-chairman: Teodor Chirica</i>
14:30 - 16:00	Round Table with participation of ROMATAOM and non-nuclear industry		

Parallel Sessions

ALFRED and Heavy Liquid Metal Technology			Room A
Chairman: Alessandro Alemberti			Co-chairman: Ilie Turcu
Session I.4			
Thursday, May 25	09:30 - 09:50	<u>Michele Frignani</u>	ANSALDO Nucleare Italy ALFRED: Strategic Vision
	09:50 - 10:10	<u>Marin Constantin</u>	RATEN ICN Romania ALFRED Demonstrator in the Context of SMR Development
	10:10 - 10:30	<u>Mariano Tarantino</u>	ENEA Italy Experimental program on LFR development
	10:30 - 10:50	<u>Giacomo Grasso</u>	ENEA Italy ALFRED Core design and Safety aspects
	10:50 - 12:00	Poster Session III with Coffee & Tea	
	12:00 - 12:20	<u>Csaba Roth, B.Boer, R.Delville, M. Mladin, G.Budriman, C.Truta, D.Barbos, I.Popa, A.Udrea, P.Dries, K.Vanaken, L.Aioanei, C.Gondac, M.Verwerft, M.Ciocanescu, A.Tudor, A.Datcu, V.Tencu, G.Militaru, L.Savu</u>	RATEN ICN Romania Fast Reactor Fuel Transient Tests at the TRIGA-ACPR Reactor
	12:20 - 12:40	<u>J. Lim, Kristof Gladinez, G.Manfredi, B.Gonzalez, A.Marino, K.Rosseel, A.Aerts</u>	SCK.CEN Belgium LBE Coolant Chemistry Control for MYRRHA
	12.40 - 13:00	<u>Daniela Guşiu</u>	RATEN ICN Romania National Programme in Support of ALFRED Development and Implementation
	13:00 - 13:20	<u>Alexandru Nitu, V.Radu, M.Abrudeanu, V.Pitigoi, V.Ionescu, G.Bucsa</u>	RATEN ICN Romania Overview on the RATEN ICN achievements on the mechanical testing in liquid lead
	13:30 - 14:20	Lunch	

Radioactive Waste Management			Room B
Chairman: Anthony Wickham			Co-chairman: Crina Bucur
Session II.1			
Thursday, May 25	09:30 - 09:50	<u>Anthony .J. Wickham, M.Ojovan, P.O'Sullivan</u>	Nuclear Technology Consultancy UK Moving Forward with the Management of Irradiated Graphite Wastes: Addressing the Challenges through International Collaboration with Project 'GRAPA'
	09:50 - 10:10	<u>Crina Bucur, I.Florea, R.Dobrin, C.Diaconescu</u>	RATEN ICN, Romania C-14 in CANDU Spent Ion Exchange Resins and Its Release in Chemical Conditions Specific to the Geologic Disposal
	10:10 - 10:30	<u>Alina Constantin, D.Diaconu, C.Bucur</u>	RATEN ICN, Romania Modeling C-14 Impact Assessment for a Conceptual Geological Repository
	10:30 - 10:50	<u>Ionut Florea, C. Diaconescu, M.Mihalache, N.Deneanu, C.Bucur</u>	RATEN ICN, Romania Effect of Various Environment on Mechanical Strength of Mortars
	10:50 - 12:00	Poster Session III with Coffee & Tea (Room A)	

12:00 - 12:20	<u>Daniela Gurau</u> , <i>D.Stanga</i>	IFIN-HH Romania	Challenges of Gamma-ray Waste Assay during Decommissioning of the VVR-S Reactor from IFIN-HH
12:20 - 12:40	<u>Ioan Iorja</u> , <i>A.O.Pavelescu, R.Deju, M.Dragusin</i>	RATEN CITON Romania	Integrated Approach Using SAFRAN Code for Safety Assessment Framework of the Radioactive Wastes Resulted from the IFIN-HH
12.40 -13:00	<u>Florin Sociu</u> , <i>R.C.Georgescu, G.Lungescu-Kulava</i>	RATEN CITON Romania	The International Experience In Management Of Radioactive Waste Generated By Refurbishment, A Good Feedback For Cernavoda NPP Unit 1 Refurbishment Outage
13:30 – 14:20	Lunch		

Nuclear Reactors, Nuclear Safety & Severe Accidents

Room A

Chairman: Benoit De Boeck

Co-chairman: Alain Genty

Session I.1 & I.2

Thursday, May 25

14:30 - 14:50	<u>Manuela Profir</u> , <i>G.Kennedy, V.Moreau</i>	Centre for Advanced Studies, Research and Development in Sardinia (CRS4), Italy	Proof-of-Principle of the Control Rod Emergency Insertion in the MYRRHA Nuclear Facility from a Combined Numerical-Experimental Campaign
14:50 - 15:10	<u>Volodymyr V. Gann</u> , <i>Y. Y. Leleko, A.V.Gann</i>	National Scientific Centre Kharkov -Institute of Physics and Technology Ukraine	Computer simulation of nuclear reactor on cylindrical standing burning wave
15:10 - 15:30	<u>Alain Genty</u>	CEA, France	Liquid metallic sodium flow computation with TrioCFD
15:30 - 15:50	<u>Filip Osuský</u> , <i>Š.Čerba, J.Haščík, J.Lúley, B.Vrban</i>	Institute of Nuclear and Physical Engineering, Slovakia	Definition of the Thermal-hydraulic Model of the Gas-cooled Fast Reactor
15:50 - 16:10	Coffee break		
16:10 - 16:30	<u>Mihaela-Roxana Roman</u> , <i>D.V.Ionescu, Gh.Olteanu, D.F.Oproiu</i>	RATEN ICN, Romania	Study of Thermal Conductivity Influence on MOX Fuel Behaviour
16:30 - 16:50	<u>Deepika Choudhury</u> , <i>A.Gatera, A.Göök, M.Lebois, A.Oberstedt, S.Oberstedt, L.Qi, J.Wilson</i>	Extreme Light Infrastructure, Bucharest, Romania	High-Precision Prompt Fission Gamma-Ray Studies for Nuclear Reactor Safety
16.50 - 17:10	<u>Roxana Neacsu</u> , <i>A.Rizoiu, I.Prisecaru</i>	RATEN ICN, Romania	Using LEU+Th Mixed Oxide Fuel in CANDU Reactors
17:10 - 17:30	<u>Mădălina Tronea</u> , <i>C.Ciurea, E.Dincă</i>	CNCAN, Romania	Regulatory Developments in Nuclear Safety

Nuclear Technology and Materials

Room C

Chairman: Daniel Freis

Co-chairman: Vasile Radu

Session I.3

Thursday, May 25

14:30 - 14:50	<i>L.Balice, O.Walter, Ph.E.Raison, M.Ernstberger, M.Cologna, Karin Popa</i>	European CommissionJRC Karlsruhe, Germany	A new route towards nano-AnO2 and associate solid solutions: hydrothermal synthesis, thermal behaviour, and SPS densification.
14:50 - 15:10	<u>Daniel Freis</u> , <i>K.Popu, J.F. Vigier, T. Wiss, J.-C.Griveau, E.D'Agata R.Konings</i>	European CommissionJRC Karlsruhe, Germany	Development of a Radioisotope Heater Unit for Space Exploration Based on Am-241

15:10 - 15:30	<u>Liviu Stefan, S.Brad</u>	ICSI Rm. Valcea, Romania	New Research Infrastructures – Support for R&D of ICSI Rm. Valcea
15:30 - 15:50	<u>Katarzyna Kiegiel, D.Gajda, G.Zakrzewska-Koltuniewicz</u>	INCT Warsaw, Poland	Secondary raw materials as a potential source of uranium
15:50 - 16:10	Coffee break		
16:10 - 16:30	<u>Vasile Radu</u>	RATEN ICN Romania	Comparative Study on the In-service Creep of CANDU Pressure-Tubes with Parametric Equations and Artificial Neural Network
16:30 - 16:50	<u>Nikolay Djourelov</u>	ELI-NP, Bucharest-Magurele, Romania	Studies of Nuclear Reactor Core Materials by Positron Spectroscopy
16:50 - 17:10	<u>Madalina Stanculescu, M.Abrudeanu, T.Meleg, M.Mihalache, M.Deaconu</u>	RATEN ICN Romania	Thermal analysis of Fe-Cr ODS powders prepared by mechanical alloying
17:10 - 17:30	<u>Magdalena Galatanu, G.Ruiu, M.Enculescu, A.Galatanu</u>	IFTM Romania	“FAST brazing” technology for multi-layered composite materials processing

Radioprotection & Air, Water and Soil Protection

Room B

Chairman: Radu Vasilache

Co-chairman: Alexandru Toma

Session II.2 & II.3

Thursday, May 25

14:30 - 14:50	<u>Radu A. Vasilache</u>	Canberra Packard Romania	CLYC Based Spectroscopy Personal Electronic Dosimeters: a Possible Way for Going Beyond the Classical Hp(10) Approach
14:50 - 15:10	<u>Cristian Dulama, R.Dobrin, Al.Toma, O.Hiricã</u>	RATEN ICN Romania	Development of improved LSC methods for measurement of radon concentration in groundwater
15:10 - 15:30	<u>Irina Vagner, C.Varlam, I.Faurescu, D.Bogdan, D.Faurescu, D.Costinel, V.Niculescu</u>	ICSI Romania	Comparative Study of Wine Sample Preparation for Tritium Determination Using Liquid Scintillation Counting
15:30 - 15:50	<u>D.Aranghel, Doina Stanciu, C.R.Badita, A.Stochioiu, I.Tudor</u>	IFIN-HH Romania	The Quality Management System for Radiation Dosimetry Laboratory of the ELI-NP Facility
15:50 - 16:10	Coffee break		
16:10 - 16:30	<u>Elena Bobric, I.Zaharov, I.F.Marin</u>	CNE Cernavoda Romania	Cernavoda NPP Environmental Management System EMAS Registration Strategy
16:30 - 16:50	<u>Carmen Tuca, M.Dragusin, R.Deju</u>	IFIN-HH Romania	The Analysis of the Gaseous Effluents Inventory Released as a result of the VVR-S Nuclear Research Reactor Decommissioning, Magurele, Romania
16:50 - 17:10	<u>Raluca Fako, V.Ionescu, G.Lungescu, R.Aranghel, N.C.Madgalin</u>	RATEN CITON Romania	International Experience on Evaluation of Airborne Concentration in Case of a Tritiated Heavy Water Spill

17:40 NUCLEAR 2017 Awards

20:00 Conference Dinner (Ramada Hotel)

May 26

8:00	Depart to Bucharest from Muntenia Hotel (with a stop at Ramada Hotel)
10:30 - 12:30	Technical visit: ELI-NP Extreme Light Infrastructure – Nuclear Physics (Bucharest)
13:30 - 15:00	Lunch in Bucharest (transport provided)
17:00	Arrival in Pitesti



Poster Session 1

Nuclear Technology and Materials

Wednesday, May 24 (9:30 - 12:00)

S1-P1	K.Gladinez, K.Rosseel, J.Lim, A.Marino, G.Manfredi, B.Gonzalez, G.Heynderickx, A.Aerts <i>SCK.CEN, Belgium</i>	Nucleation, Growth and Dissolution of Lead Oxide in LBE Nuclear Coolant
S1-P2	<i>Petr Stemberk, Y.Khmurovska, M.Vaitova</i> Czech Technical University in Prague Czech Republic	Effect of Neutron Irradiation on Structural Performance of Concrete Wall
S1-P3	I.Iordache, I.Stefanescu, D.Schitea <i>ICSI Rm.Valcea, Romania</i>	IAHE Nuclear Hydrogen Division – Perspectives at ICSI Rm. Valcea
S1-P4	C.Maria Moraru, I.Stefan, C.Bucur, O.Balteanu, N.Sofilca <i>ICSI Rm.Valcea, Romania</i>	A Review on Software Testing Approaches for Data Acquisition Systems for Experimental Pilot Plant in Tritium Separation
S1-P5	F.Vasut, A.Oubraham, C.David, N.Sofalca <i>ICSI Rm.Valcea, Romania</i>	Hydrogen Isotopes and Titanium (Sponge and Powder). Tritium Storage as Metallic Hydride
S1-P6	A.Niculescu, T.Constantin, G.Ana <i>ICSI Rm.Valcea, Romania</i>	Mathematical Modeling of a Multicomponent Cryogenic Distillation Column for Hydrogen Isotope Present Status and Perspectives
S1-P7	A.Bornea, M.Zamfirache, I.Stefanescu <i>ICSI Rm.Valcea, Romania</i>	Study on the Catalyst/Hydrophilic Package Ratio Effect on the Mixed Catalytic Packing Performance
S1-P8	Ş.I.Spiridon, E.I.Ionete, G.Ionita, B.F.Monea, C.Costeanu <i>ICSI Rm.Valcea, Romania</i>	Study of sorption/desorption processes of protium and deuterium for different types of titanium beds
S1-P9	L.Velciu, T.Meleg, M.Pantiru, D.Petrescu, F.Voicu <i>RATEN ICN, Romania</i>	Study of Haynes 230 alloy tested by heat-cycling
S1-P10	M.Mihalache, I.Dumitrescu, M.Fulger <i>RATEN ICN, Romania</i>	Protectiveness Assessment of Oxides Grown in Supercritical Water on Aluminized 316L Steel
S1-P11	I.Dumitrescu, T.Meleg, M.Mihalache <i>RATEN ICN, Romania</i>	Kinetic Aspects of Uranium Hydriding at Temperatures Ranging from 200 to 3000C
S1-P12	M.Tunaru, A.Dinu, L.Velciu, L.Popa <i>RATEN ICN, Romania</i>	The Use of Biocides in the Prevention of the Microbiologically Induced Corrosion of Carbon Steel Pipes
S1-P13	I.Paraschiv, I.Voica <i>RATEN ICN, Romania</i>	Influence of Thermal Degradation on the Physical Properties of C 32/40 Concrete used for Cernavoda NPP Containment
S1-P14	I.Paraschiv, D.Benga <i>RATEN ICN, Romania</i>	Technology for Obtaining PbO Mass Exchangers with Different Geometries Designed for Oxygen Control in Pb or LBE Systems
S1-P15	A.Dinu, I.Chicinas, L.Velciu, G.Bucsa <i>RATEN ICN, Romania</i>	Influence of Chloride Anions on Caustic Stress Corrosion Cracking of CANDU Steam Generators Tubes
S1-P16	A.Ion, V.Radu, A.Nitu <i>RATEN ICN, Romania</i>	Study of the fatigue crack initiation from volumetric flaws on the CANDU pressure tube - Zr-2.5% Nb alloy
S1-P17	V.Ionescu, V.Radu, A.Nitu <i>RATEN ICN, Romania</i>	Study of cracking in the pressure tube specimens (Zr-2.5%Nb) with flaws and hydrides by overload tests
S1-P18	D.Diniaşi, A.Dinu, L.Velciu <i>RATEN ICN, Romania</i>	Corrosion tests on SA 516 carbon steel at the specific parameters of the steam generator primary circuit
S1-P19	L.Popa, M.Tunaru, L.Velciu <i>RATEN ICN, Romania</i>	Influence of chloride concentration on corrosion susceptibility of container materials
S1-P20	S.Ionescu, R.Marinescu, M.Mincu, G.Ghita <i>RATEN ICN, Romania</i>	Remote Device for Pressure Tube Sampling for Hydrogen Concentration Measuring in Post Irradiation Laboratory
S1-P21	D.Petrescu, L.Velciu, C.Bucur <i>RATEN ICN, Romania</i>	Experimental study of antimony adsorption on magnetite in aqueous solutions
S1-P22	G.Gheorghe, I.Man <i>RATEN ICN, Romania</i>	Compact Tension Specimen Preparation of out CANDU Pressure Tube using the Numerical Controlled Milling



		Machine
S1-P23	O.Uță, C.Gentea, I.Man, S.Ionescu, C.Cioabă <i>RATEN ICN, Romania</i>	Techniques used in the Post Irradiation Laboratory for investigation of failure mechanism of the CANDU fuel elements
S1-P24	V.Cojocaru, I.Prisecaru, M.Ungureanu <i>RATEN ICN, Romania</i>	LECOTELO - Loop for the Flow Study of the Lead in the Thermal-Hydraulic Circuit
S1-P25	G.Ghita, I.Prisecaru, S.Ionescu <i>RATEN ICN, Romania</i>	Power Losses Experiments for Permanent Magnets Electromagnetic Pump
S1-P26	P.Dumitru, T.Gyongyosi, B.Corbescu, G.Deloreanu, E.Dinu, C.Cepisca <i>RATEN ICN, Romania</i>	Mathematical Model for Heat Transfer through Power Air-Laid Cable Insulation
S1-P27	R.Negrea, A.Nitu, A.H.Marin, V.Malinovschi, D.Negrea <i>RATEN ICN, Romania</i>	Complementary Investigation Methods of Zircaloy 4 CANDU Nuclear Fuel Cladding Tubes with Low Hydride Content
S1-P28	B.Corbescu, T.Gyongyosi, P.Dumitru, V.N.Panaitescu <i>RATEN ICN, Romania</i>	Comparative Analysis Between Two Processes of Isolating High Diameter Pipelines (≤ 300 mm Nominal Diameter) by Ice Plugs in Stationary Water
S1-P29	T.Gyongyosi, B.Corbescu, P.Dumitru, V.N.Panaitescu <i>RATEN ICN, Romania</i>	The Influence of the Flow Regime Over the Ice Plug Isolation of a Horizontal 200 Mm Nominal Diameter Pipeline
S1-P30	T.Gyongyosi, G.Deloreanu, P.Dumitru, B.Corbescu, N.Anghel, R.Nastase, E.Dinu <i>RATEN ICN, Romania</i>	Tests Conducted at the aging limit of the Pressure Tube – Spacer – Calandria Tube Hook-up simulator

Poster Session 2

Nuclear Technology and Materials (continuation)

S2-P1	M.Mincu, O.Uta, R.Marinescu <i>RATEN ICN, Romania</i>	Design and testing of a device for calibration of the SRS QMS 200 residual gas analyzer used for fission gases composition measurement
S2-P2	D.Lucan, L.Velciu, A.Dinu, D.Petrescu <i>RATEN ICN, Romania</i>	Experimental Research Regarding the Steam Generator's Corrosion Processes
S2-P3	M.Fulger, M.Mihalache, L.Velciu, D.Petrescu <i>RATEN ICN, Romania</i>	SCWR Candidate Materials and their Corrosion Behavior
S2-P4	D.Stefanescu, M.Olteanu, G.Bucsa <i>RATEN ICN, Romania</i>	Thermal Aspects of Steel Corrosion in Concrete

International Partnership for Sustainable Development

S2-P6	M.Apostol, M.Constantin, D.Diaconu, A.Paunoiu, I.Ivanov, N.Zeleznik <i>RATEN ICN, Romania</i>	Results of the Investigation on the Legal Entity for ALFRED Implementation in Romania
S2-P7	M.Nitoi, M.Apostol, M.Farcasiu <i>RATEN ICN, Romania</i>	RATEN ICN Contributions to ASAMPESA_E Project
S2-P8	I.Prodea, A.M.Segărceanu, M.R.Roman, D.Oproiu <i>RATEN ICN, Romania</i>	An Assessment of Romanian National Determined Contribution to Climate Change Mitigation

Education, Training and Knowledge Management

E1-P1	A.Klepáková <i>Research Centre Řež, Czech Republic</i>	CORONA II – Educational Platform for VVER
E1-P2	C.M.Olteanu, R.M.Voiculescu, R.Baibarac <i>RATEN ICN, Romania</i>	Education in Safety Evaluation of Radioactive Material Transport Packages
E1-P3	G.R.Dumitru, M.Valeca, L.Velciu <i>University from Pitesti, Romania</i>	Study of inconel 617 alloy after some thermal transient tests
E1-P4	A.E.Tudose, M.Valeca, M.Fulger, A.Dinu, L.Velciu, Gr.Bucșă <i>RATEN ICN, Romania</i>	Characterization of the oxide films formed on carbon steel components of the secondary circuit of CANDU NPP
E1-P5	M.Postelnicu, M.Valeca, L.Dumitrache <i>RATEN ICN, Romania</i>	Uranium recovery from the solid wastes generated by fabrication of LEU experimental fuel
E1-P6	E.Soare, M.Valeca, A.Nitu <i>University from Pitesti, Romania</i>	Assessment of the Material Properties of Nuclear Structural Components by Non-Standard Mechanical Tests
E1-P7	V.Dragomir, I.Paraschiv, D.Benga, M.Valeca <i>University from Pitesti, Romania</i>	Technological Studies for Obtaining PbO Compacts for Oxygen Content Control in LFR Coolant
E1-P8	L.Niacsu, M.Valeca, A.Ion <i>University from Pitesti, Romania</i>	Investigation of some thermo-mechanical properties for Generation IV candidate materials
E1-P9	M.Chiran, M.Valeca, V.Ionescu <i>University from Pitesti, Romania</i>	Ultrasonic Methods for Heavy Liquid Metal Measurements
E1-P10	C.Dobrinou, M.Mladin, S.Valeca <i>RATEN ICN, Romania</i>	Safety analysis of postulated accidents at loop-A TRIGA irradiation device using SCDAP/RELAP5
E1-P11	A.Brumar, M.Constantin, S.Valeca <i>RATEN ICN, Romania</i>	A Comparison of Some Performances of the Nitride and Oxide Natural Uranium Fuels in CANDU Type Reactors
E1-P12	I.Ceausu, M.Valeca, C.Ciocirlan <i>University from Pitesti, Romania</i>	Monitoring of Uranium Atmospheric Releases Using Alpha-Spectrometry in Nuclear Facilities
E1-P13	A.Bumbes, M.Valeca, A.Marin <i>University from Pitesti, Romania</i>	X-ray Photoelectron Spectroscopy Investigations on Hydrided Zy-4 Fuel Cladding

Wednesday, May 24 (12:00 - 17:30)

E1-P14	A.Udrea, C.Roth, F.Bortosu, S.Valeca <i>University from Pitesti, Romania</i>	Bonner Spheres Neutron Spectrometer Calibration
E1-P15	A.C.Răduț, S.Valeca, S.Florea, D.F.Oproiu, G.Olteanu <i>RATEN ICN, Romania</i>	Assessments of NUE Fuel Element Performance in Normal Operating Conditions
E1-P16	F.C.Bortosu, E.D.Gugiu, S.Valeca <i>RATEN ICN, Romania</i>	Isotopic Inventory Evaluations in Lead-Cooled Fast Reactors
E1-P17	R.Iliescu, S.C.Valeca, G.Matei <i>University from Pitesti, Romania</i>	Detection of the failed nuclear fuel at a CANDU PHWR nuclear reactor
E1-P18	A.Popescu, M.Valeca, M.Dianu, M.Iordache <i>University from Pitesti, Romania</i>	³⁶ Cl Separation on Ion Exchange Resins
E1-P19	F.Chiriță, M.Dulama, M.Valeca, C.Diaconescu <i>University from Pitesti, Romania</i>	Processing of Spent Radioactive Ion Exchange Resins: Treatment vs. Direct Conditioning
E1-P20	M.C.Petreanu, Ș.Valeca, I.Prodea <i>University from Pitesti, Romania</i>	Burning Thorium-based Nuclear Fuels in CANDU Reactors - a Way to The Improvement of Burnup and Nuclear Safety
E1-P21	A.D.Simion, N.Deneanu, M.Valeca <i>University from Pitesti, Romania</i>	Laboratory Experiments for Decontamination of the Waste Oil
E1-P22	M.Ungureanu, V.Cojocaru, S.Valeca <i>RATEN ICN, Romania</i>	Filtration system for molten lead installation LECOTELO

Thursday, May 25 (9:30 – 17:00)

Poster Session 3

Radioprotection & Air, Water and Soil Protection

S3-P1	A.O.Pavelescu, I.Iorga, R.Deju, M.Dragusin <i>IFIN-HH, Romania</i>	Total Effective Dose Equivalent Assessment using RESRAD Code for the VVR - S Reactor Block Concrete Shielding Dismantling from IFIN-HH Magurele Bucharest
S3-P2	M.Miricioiu, V.Niculescu, F.Bucura, M.Constantinescu, N.Paun <i>ICSI Rm. Valcea, Romania</i>	PSF/MCM-41 Mixed Matrix Membranes Prepared for CO2 Removal from Different Gases
S3-P3	F.Bucura, A.Zaharioiu, F.Marin, M.Miricioiu, M.Constantinescu <i>ICSI Rm. Valcea, Romania</i>	Environmental Protection By Solid Energetic Sorts From Wastes
S3-P4	C.Ciucure, D.Stegarus, R.Elena Ionete, I.Rebenciuc <i>ICSI Rm. Valcea, Romania</i>	Specific Methods for Detecting and Quantifying Endocrine Disruptors in Various Environmental Samples
S3-P5	D.Bogdan, D.Faurescu, C.Varlam, I.Vagner, I.Faurescu <i>ICSI Rm. Valcea, Romania</i>	Background and Counting Efficiencies Variation for Tritium Measurements of Two Quantulus 1220
S3-P6	I.Faurescu, C.Varlam, I.Vagner, D.Faurescu, D.Bogdan <i>ICSI Rm. Valcea, Romania</i>	Applying Radiocarbon and Environmental Isotopes for Estimation of Groundwater Dynamics
S3-P7	I.Zaharov, E.Boabric, I.F.Marin <i>Cernavoda NPP, Romania</i>	CNE Cernavoda Environmental License Renewal Strategy
S3-P8	R.Dobrin, C.Dulama, A.Toma <i>RATEN ICN, Romania</i>	Activity measurement of radionuclide 109Cd in radioactive waste
S3-P9	S.Stroe, R.Dobrin, C.Dulama, A.Toma <i>RATEN ICN, Romania</i>	Determination of Radium Isotopes in Drinking Water by Liquid Scintillation Spectrometry
S3-P10	G.Tudor, R.Iordache, M.Valeca, A.Toma <i>RATEN ICN, Romania</i>	Radiation Doses Assessment for the Reference Persons due to Effluents Discharges from INR - NFF Platform
S3-P11	C.Arsene <i>RATEN ICN, Romania</i>	Sources and technological options for capture and storage of carbon dioxide (CCS) resulted from industrial processes
S3-P12	V.Niculescu, C.Sandru, M.Miricioiu, N.Paun <i>ICSI Rm. Valcea, Romania</i>	Amino-functionalized Silica as an Efficient Adsorbent for Wastewater Treatment
S3-P14	A.Stochioiu, D.Aranghel, D.Stanciu, I.Tudor <i>IFIN-HH, Romania</i>	Mapping the Jobs of Secondary Standard Dosimetry Laboratory Using Area Dosimetry
S3-P15	D.Chiper, C.Cimpeanu, C.Barna, S.Ilie <i>IFIN-HH, Romania</i>	Natural Radioactivity for Some Natural Rocks Available in Romania

Radioactive Waste Management

S3-P16	A.Barbu <i>Nuclear Fuel Plant, Romania</i>	Methods for Treating Liquid Radioactive Organic Waste
S3-P17	M.Petre, I.Prisecaru, M.Mincu, I.Man <i>RATEN ICN, Romania</i>	Preparation of α -Sources by Electrodeposition from Spiked Aqueous Solutions
S3-P18	C.Diaconescu, I.Florea, M.Dianu, R.Dobrin <i>RATEN ICN, Romania</i>	Characterization of the Spent Ion Exchange Resins Generated from Cernavoda NPP Operation: Gamma Ray Spectrometry Measurements

Nuclear Reactors & Nuclear Safety

S3-P19	R.M.Nistor-Vlad, I.Prisecaru, D.Dupleac, C.Allison <i>University Politehnica of Bucharest, Romania</i>	Safety Margins Analysis of a CANFLEX Fuel Bundle Loaded in a CANDU-6 Fuel Channel Employing RELAP/SCDAPSIM
S3-P20	M.Androne <i>RATEN CITON, Romania</i>	Realistic Assessment Methodology of Controlling Earthquake
S3-P21	I.P.Nita, R.Pancef <i>RATEN CITON, Romania</i>	Computation of the Main Thermodynamic Parameters of Secondary Circuit of ALFRED Reactor



S3-P22	M.Vlad, R.Popovici, A.Sabie, M.Comisel, D.Iliescu <i>RATEN CITON, Romania</i>	Proposal regarding the electrical distribution system architecture for ALFRED
S3-P23	L.C.Dinu, C.A.Margeanu, M.Constantin <i>RATEN ICN, Romania</i>	Evolution of Early Phase of a Loss-of-Cooling Accident in the Spent Fuel Pool of a CANDU NPP
S3-P24	M.Petra, M.Farcasiu, I.Cretu, E.Dragan <i>RATEN ICN, Romania</i>	The assessment of the safety culture in the nuclear facilities
S3-P25	D.Oproiu, A.Radut, R.Roman, S.Florea, G.Olteanu <i>RATEN ICN, Romania</i>	FEMAXI VI Computer Code Analysis Enhancement for Probabilistic Evaluations of CANDU Fuel Element Behavior in Normal Operating Conditions
S3-P26	M. Farcasiu, M. Nitoi, M.Apostol, C.Constantinescu <i>RATEN ICN, Romania</i>	Evaluation of Data Collection Techniques for Human Reliability Analysis
S3-P27	M.Șerbănel, I.Prodea <i>RATEN ICN, Romania</i>	Thermalhydraulic Assessment of Modified 37 Element CANDU Fuel Bundle during LBLOCA using RELAP5 Code

Nuclear Technology and Materials (*continuation*)

S3-P28	V.Florescu <i>RATEN ICN, Romania</i>	Forces in a Linear Reluctance Motor
S3-P29	V.Florescu <i>RATEN ICN, Romania</i>	Construction and Principle of Operation of Single-Phase Linear Reluctance Motor
S3-P30	V.Florescu <i>RATEN ICN, Romania</i>	Modeling of Power Converter