

		Room A Conference Room	Room B S I	Room C S III	Room D Red Room	
Wednesday, May 25	08:30 – 09:30	Registration				
	09:30 – 10:00	Opening Ceremony				
	10:00 – 11:00	Plenary Session	Poster Session 1			
	11:00 – 11:30	Coffee Break				
	11:30 – 13:30	Plenary Session				
	13:30 – 14:15	Lunch				
	14:20 – 15:40			Nuclear Technology and Materials	Radioactive Waste Management	Nuclear Reactors & Nuclear Safety
	15:40 – 16:00			Coffee Break		
	16:00 – 17:30	Round Table				
19:30	Conference Dinner					
Thursday, May 26	09:00 – 11:00	Plenary Session		Poster Session 2		
	11:00 – 11:30	Coffee Break				
	11:30 – 13:00	Plenary Session				
	13:00 – 14:00	Lunch				
	14:00 – 16:00		Nuclear Technology and Materials		Radioprotection & Air, Water, Soil Protection	Sustainable Development
	16:20 – 16:45	Coffee Break				
	16:45 – 17:30	Poster Session 2 Awarding ceremony				
Friday, May 27	08:30 – 10:00	Technical visit of the TRIGA Reactor and Post Irradiation Examination Laboratory				
	10:00	Departure to Bucharest				
	12:00 – 13:00	Visit of the Parliament Palace, Bucharest				
	13:00 – 14:00	Lunch at the Parliament Palace, Bucharest				

Wednesday, May 25

08:30 – 09:15 Registration**09:15 – 10:00 Opening Ceremony****PLENARY SESSION****Room A**

10:00 – 10:30	Marin Ciocanescu <i>Institute for Nuclear Research, Pitesti, Romania</i>	40 Years of Research Activity at ICN
10:30 – 11:00	Ilie Turcu <i>Institute for Nuclear Research, Pitesti, Romania</i>	ICN: Looking to the Future
11:00 – 11:30	Coffee Break	
11:30 – 12:00	Serban Valeca, Daniela Diaconu, Monica Valeca <i>University from Pitesti- Romania</i>	Nuclear Energy – Between Benefits and Risks
12:00 – 12:30	Simon Webster <i>European Commission</i>	Euratom Research in Fission and Fusion – what does the Future hold?
12:30 – 13:00	Hervé Bernard <i>CEA - France</i>	Nuclear Power in the French Energy Strategy
13:00 – 13:30	Gábor Buday <i>PURAM Hungary</i>	IGD-TP: Steps toward Geological Disposal
13:30 – 14:15	Lunch	

Wednesday, May 25

Session I.1& I.2**Room D****Chairman: Georgios Glinatsis****Co-chairman: Csaba Roth****Nuclear Reactors & Nuclear Safety**

14:20 – 14:40	ENEA, <i>Italy</i>	Georgios Glinatsis	Advanced Reactors Lattice Physics
14:40 – 15:00	ICN Pitesti, <i>Romania</i>	Daniela Gugiu	Preliminary Analysis of Tantalum Behavior in Fast Reactors
15:00 – 15:20	ICN Pitesti, <i>Romania</i>	<u>Cristina Alice Margeanu</u> , I. Prodea, A. Rizoiu, G. Olteanu, I. E. Visan	Study of Advanced CANDU Fuel Radioactivity Evolution with Irradiation by using Burnable Neutron Absorbers in Fuel Bundle Centre Element Composition
15:20 – 15:40	ICN Pitesti, <i>Romania</i>	<u>Andrei Rizoiu</u> , Gr. Horhoianu	Preliminary Reactor Physics Studies on Using Advanced Fuel Bundles in CANDU
15:40 – 16:00	Coffee Break		
16:00 – 16:20	Al-Jouf University <i>Saudi Arabia</i>	Mohammed Sallah	Neutron Transport in Fluctuating Stochastic Finite Media with Sinusoidal Internal Source of Energy
16:20 – 16:40	ICN Pitesti, <i>Romania</i>	<u>Alexandru Catana</u> , I. Turcu, I. Prisecaru, E. Pauna	Moderator Flow Analysis Inside Calandria Vesel of a CANDU6 Nuclear Reactor
16:40 – 17:00	ICN Pitesti, <i>Romania</i>	<u>Gheorghe Vieru</u> , C-tin Paonoiu, S.C.Valeca, G. Cojazzi, V. Nistor, R.M. Mihaiu	An Enhanced Nuclear Security Culture-A Challenge

Wednesday, May 25

Session I.3

Room B

Chairman: Steve McGee**Co-chairman:** Vasile Radu**Nuclear Technology and Materials**

14:20 – 14:40	<i>University of Manchester - UK</i>	<u>J. Turner</u> , T. Abram, A. Jones, A.J. Wickham	Modern Graphite Characterisation Techniques and their use in Supporting a Small-Scale "Nuclear Battery" Concept
14:40 – 15:00	ICN Pitesti, Romania	Tiberiu Meleg	Thermogravimetric Method to Evaluate the Average Compressive Stress Evolution During Zy-4 Fuel Cladding Isothermal Oxidation
15:00 – 15:20	ICN Pitesti, Romania	<u>Maria Mihalache</u> , M. Fulger, M.Roth, M.Mihalache	Investigation of High Temperatures Tensile Properties on Cold-Worked and Thermal Affected CANDU Pressure Tubes
15:20 – 15:40	ICN Pitesti, Romania	<u>Alexandru Nitu</u> , V. Pitigoi, V. Radu <i>ICN Pitesti, Romania</i>	Influence of Hydride Precipitates on Crack Growth by DHC Mechanism

15:40 – 16:00 Coffee Break

Wednesday, May 25

Session II.1

Room C

Chairman: Simon Webster**Co-chairman:** Daniela Diaconu**Radioactive Waste Management**

14:20 – 14:40	<i>Nuclear Technology Consultancy-UK</i>	Anthony.J. Wickham	New Directions in Treatment Options for Irradiated Graphite Waste
14:40 – 15:00	ICN Pitesti, Romania	<u>Daniela Diaconu</u> , A. Constantin, C. Bucur, A. Dinu, M. Iordache, M. Dragomir, M. Mihalache	Characteristics of Irradiate Graphite from Material Testing Reactors and Management Approaches
15:00 – 15:20	ICN Pitesti, Romania	Carmen Arsene	Decontamination Factors for Irradiated Graphite from Thermal Columns of TRIGA Reactor
15:20 – 15:40	INCT Poland	G. Zakrzewska-Trznadel, <u>Agnieszka Miśkiewicz</u>	Membrane Distillation as a Method for Liquid Radioactive Waste Treatment

15:40 – 16:00 Coffee Break

16:00 – 16:20	CEA Saclay France	Nikos Leterrier	Unsaturated Hydraulics and Reactive Transport Fully Coupled for the Simulation of Atmospheric Carbonation of Concrete
16:20 – 16:40	ICN Pitesti, Romania	Alina Constantin	Alliances Case Study: Flow Field in Unsaturated Zone of the Saligny Site
16:40 – 17:00	ICN Pitesti, Romania	<u>Marian Mincu</u> , G. Androne, C. Lazar, L. Dinu, O. Ichim	Determination of Alpha Radionuclide Concentration in Different Types of Radioactive Waste
17:00 – 17:20	SERW Bulgaria	Svetomira Prodanova	Radioactive Waste Management in Bulgaria

May 25

Round Table

Room A

Chairman: Gerard Cognet**Co-chairman:** Concetta FAZIO**16:00 – 17:30 Refractory alloys for Generation IV****19:30 Conference Dinner (Cornul Vanatorului)**

Thursday, May 26

PLENARY SESSION

Room A

09:00 – 09:30	Eric van Walle <i>SCK•CEN Belgium</i>	Research towards Sustainable Nuclear and MYRRHA Project
09:30 – 10:00	Carlo Artioli <i>ENEA Italy</i>	Minor Actinides Transmutation in both ADS and Power Fast Reactors
10:00 – 10:30	Concetta Fazio <i>KIT Germany</i>	European Materials Research Programme for Advanced Nuclear Systems (EERA JPNM)
10:30 – 11:00	Vasile Radu <i>Institute for Nuclear Research Pitesti, Romania</i>	Probabilistic Fracture Mechanics applied for DHC Assessment in the Cool-down Transients for CANDU Pressure Tubes
11:00 – 11:30	Coffee Break	
11:30 – 12:00	John Saroudis <i>AECL, Canada</i>	Enhanced CANDU 6 Severe Accident Management and the Impact of Fukushima on the Future of Nuclear Power
12:00 – 12:30	Sorin Ghita <i>ErgoNuclear, Romania</i>	Cernavoda NPP Units 3 and 4 - Energy for the Future
12:30 – 13:00	Serban Valeca, Monica Valeca, Marin Preda <i>University from Pitesti, Romania</i>	Expanding Nuclear Knowledge's: Romanian experience: "Nuclear Materials and Technologies "- Master Educational Plan
13:00 – 14:00	Lunch	

Thursday, May 26

Session I.3

Room B

Chairman: Concetta Fazio

Co-chairman: Dumitru Ohai

Nuclear Technology and Materials

14:00 – 14:20	Karlsruhe Institute of Technology <i>Germany</i>	<u>Adrian Jianu</u> , A.Weisenburger, W. An, R. Fetzer, M. DelGiacco, A. Heinzl, G. Müller, V.G. Markov, A.D. Kasthanov	Improving the Corrosion Resistance and Creep Strength of Steels Exposed to Heavy Liquid Metals by Surface Modification using Pulsed E-Beams
14:20 – 14:40	ICN Pitesti, <i>Romania</i>	<u>Ioana Pirvan</u> , M. Rădulescu, M. Mihalache, L. Velciu	Diagnosis and Analysis of Structural Materials Corrosion Degradation in NPP
14:40 – 15:00	ICN Pitesti, <i>Romania</i>	<u>Maria Radulescu</u> , D.Stefanescu, M.Dragomir, L.Popa	Correlation Between the Efficiency of some Corrosion Inhibitors used in Acidic Descaling Solutions and Their Structures
15:00 – 15:20	ICN Pitesti, <i>Romania</i>	<u>Alice Dinu</u> , V. Radu, M. Stanculescu, D. Ionescu	Stress Corrosion Cracking Initiation on Hydrided Zircaloy -4 Alloy
15:20 – 15:40	ICN Pitesti, <i>Romania</i>	<u>Manuela Fulger</u> , D. Ohai, M Mihalache, Gh.Oncioiu, S.C. Valeca	Studies Regarding Oxidation of Nuclear Grade Materials in Supercritical Water Environment
15:40 – 16:00	ICN Pitesti, <i>Romania</i>	<u>Laurentiu Dinu</u> , A.Ivan, C. Lazăr, G. Androne, M. Tatarăscu, M. Mincu, O. Ichim, A. Benga, D. Barbos, A. Bucsa, P. Busuioc, C. Toma	Gamma Spectrometry Characterisation of the Sodium Molybdate Solution Produced by Cintichem Method
16:00 – 16:20	ICSI Rm. Valcea <i>Romania</i>	<u>Carmen Maria Moraru</u> , C. Bucur, I. Stefan, O. Balteanu	Monitoring and Controlling Instant Power Consumption in Normal and Abnormal Operation of Tritium Separation Technological Installations
16:20 – 16:45	Coffee Break		

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

14:00 – 14:20	University of Jijel, <i>Algeria</i>	<u>Dalil Boumala</u> , A. Belafrites	Radon Emanation and Uranium Concentration In Phosphate by Passive and Active Methods
14:20 – 14:40	Cernavoda NPP <i>Romania</i>	<u>Ion Popescu</u> , C. Chitu, V. Simionov	CNE Cernavoda - Management of Internal Tritium Exposures
14:40 – 15:00	Cernavoda NPP <i>Romania</i>	<u>Catalina Chitu</u> , I. Popescu, V. Simionov	Cernavoda NPP – Using Dose Constraints as ALARA Instruments
15:00 – 15:20	ICN Pitesti, <i>Romania</i>	<u>Cristian Dulama</u> , R. Dobrin, Al. Toma	A New Passive Collector for Airborne Tritiated Water
15:20 – 15:40	ICN Pitesti, <i>Romania</i>	<u>Alexandru Toma</u> , C. Dulama, R. Dobrin, O. Hirica, S. Mihai, N. Braniste, C. Paunoiu, Ş.C. Valeca, M. Valeca	Environmental Radioactivity Monitoring Results at INR Pitesti after Fukushima Accident
15:40 – 16:00	Canberra Packard	<u>Radu Vasilache</u> , A.D. Olteanu, D. Lexa	Integrating Radiation Monitoring Systems for Nuclear Facilities
16:00 – 16:20	IFIN-HH Bucharest <i>Romania</i>	<u>Maria Sahagia</u> , A.Luca, A. Antohe, C.Ivan	Role of the Radionuclide Metrology in Quality Assurance of the Environmental Physics Measurements
16:20 – 16:45	Coffee break		

Thursday, May 26

Session III**Room B****Chairman:** Rodin Traicu**Co-chairman:** Marin Constantin**Sustainable Development, Education and Transfer Knowledge**

14:00 – 14:20	CNCAN <i>Romania</i>	<u>Cantemir Ciurea - Ercau</u> , M. Tronea	International Trends in Establishing Regulatory Requirements on the Design of New Reactors
14:20 – 14:40	ICN Pitesti, <i>Romania</i>	<u>Marin Constantin</u> , D. Diaconu, A. Constantin	Analysis of the Approaches for Public Participation in Radioactive Waste Disposal - a Romanian Perspective
14:40 – 15:00	ICN Pitesti, <i>Romania</i>	<u>Victoria Balaceanu</u> , P.Ghitescu, I. Turcu	The Role of the Institute for Nuclear Research Pitesti in the Romanian Nuclear Education and Training
15:00 – 15:20	University from Pitesti, <i>Romania</i>	<u>Serban Constantin Valeca</u> , V. Balaceanu, M. Constantin, M. Valeca	The Institute for Nuclear Research Strategy on Nuclear Knowledge Preservation
15:20 – 15:40	NuclearMontaj <i>Romania</i>	Rodin Traicu	Romanian Energy Power for a Sustainable Development
15:40 – 16:00	Cernavoda NPP <i>Romania</i>	<u>Elena Bobric</u> , C. Bucur, I. Popescu, I. Simionov	Nuclear Power Generation Alternative for a Clean Energy Future in Romania
16:00 – 16:20	University from Pitesti, <i>Romania</i>	Ion Iorga Siman	Romanian Education in Physics in the Context of Nuclear Energy Development
16:20 – 16:45	Coffee Break		

Thursday, May 26

08:30 – 10:00 Technical visit – TRIGA Reactor and PIE Laboratory

10:00 Departure to Bucharest

12:00 – 13:00 Visit of Parliament Palace, Bucharest

13:00 – 14:00 Lunch at Parliament Palace, Bucharest

Friday, May 27

POSTERS SESSIONS

Poster Session 1

Nuclear Technology and Materials

S1-P1	G. Zakrzewska-Trznadel, K. Fraćkiewicz, A. Miśkiewicz, K. Szczyglów, S. Wołkowicz <i>INCT, Poland</i>	Uranium Supply from Domestic Resources in Poland
S1-P2	M. Constantinescu, F. Bucura, E. David, C. Sandru <i>ICSI Rm. Valcea, Romania</i>	The Reducing Emissions of Gases with Greenhouse Effect Using the Metallic Catalyst Supported. Production Technology, Preparation, Physical and Chemical Characterization
S1-P3	D. Bogdan, C. Varlam, I. Stefanescu <i>ICSI Rm. Valcea, Romania</i>	Study of the Filled Skutterudites Yb-(Fe, Ni) ₄ Sb ₁₂ repaired by Mechanical Alloying and Spark Plasma Sintering (Ma-SPS)
S1-P4	D. Lucan, A. Dinu, D. Astefanesei, S. Florea, M. Stanculescu, L. Velciu, M. Pantaru <i>ICN Pitesti, Romania</i>	CANDU Steam Generator Tube Sheet Degradation in Water Containing Impurities
S1-P5	D. Astefanesei, M. Radulescu, D. Lucan, M. S. Stoica <i>ICN Pitesti, Romania</i>	Corrosion Tests of Incoloy 800 at the Specific Parameters of the Steam Generator Primary Circuit
S1-P6	L. Velciu <i>ICN Pitesti, Romania</i>	Steam Generator: Incoloy 800 and Sa 508 Tested of Corrosion in Dynamic Regime
S1-P7	M. Dragomir, M. Radulescu, M. Tunaru, L. Velciu, Gh. Oncioiu <i>ICN Pitesti, Romania</i>	The Decontamination Impact on the Corrosion Of Structural Materials In CANDU Primary Circuit
S1-P8	D. Stefanescu, M. Radulescu, S. Mogosan <i>ICN Pitesti, Romania</i>	Corrosion Evaluation of Reinforced Concrete from Reactor Containment
S1-P9	G. Gheorghe, I. Man, M. Pirvan, S. Ionescu <i>ICN Pitesti, Romania</i>	Sample Preparation for Mechanical Tests, using the Numerical Controlled Milling Machine
S1-P10	R. F. Niță, O. Uță, M. Pirvan, M. Mincu, S. Ionescu, M. Tătăărăscu <i>ICN Pitesti, Romania</i>	Destructive Post-Irradiation Examination of an Experimental CANDU Fuel Element Irradiated in a Power Cycling Test in the TRIGA Reactor
S1-P11	I. Dumitrescu, M. Dragomir, D. Ohai <i>ICN Pitesti, Romania</i>	Determination of Impurities Content in Uranium Dioxide Powder Using Time of Flight Mass Spectrometry
S1-P12	L. Popa, M. Radulescu, L. Velciu <i>ICN Pitesti, Romania</i>	Testing of Some Organic Inhibitors for the Protection of Grade 2 Titanium Alloy in Aggressive Media
S1-P13	M. Tunaru, M. Mihalache, L. Velciu, M. Dragomir <i>ICN Pitesti, Romania</i>	The Involvement of Sulphate –Reducing Bacteria in the Failure of Brass Tubes of Heat Exchangers in a Nuclear Power Plant
S1-P14	T. Gyongyosi, V. N. Panaiteescu, I. Prisecaru <i>ICN Pitesti, Romania</i>	Internal State Surface Investigation of Steam Generator Damage Pipe (CANDU 6)
S1-P15	T. Gyongyosi, S. Valeca, V. N. Panaiteescu, I. Prisecaru <i>ICN Pitesti, Romania</i>	Forming of the Ice Plug in a Large Diameter Horizontal Pipe Simulator, Process Marked by Demin Water Flow Asymmetry
S1-P16	M. Stănculescu, A. Dinu <i>ICN Pitesti, Romania</i>	High Performances of Analytical X'PERT Pro X-Ray Diffraction System of INR Pitesti
S1-P17	D. Puiu, T. Gyongyosi, T. Meleg, E. Dinu <i>ICN Pitesti, Romania</i>	Thermo-Gravimetric Analysis (TGA) as Condition Monitoring Technique of the Power Cable in Nuclear Power Plant
S1-P18	L. Dumitrache, I. Furtună, D. Doanța, M. Deaconu <i>ICN Pitesti, Romania</i>	Control of Oxygen Impurification during TRIGA Fuel Manufacturing

Wednesday, May 25

S1-P19	M. Deaconu, L. Dumitrache, A. Dinu, N. Bidica, N. Soflica <i>ICN Pitesti, Romania</i>	Experimental Study on Titanium Powder and its Application to Tritium Storage Bed Designed
S1-P20	S. Valeca, C. Iorga <i>ICN Pitesti, Romania</i>	Mechanical Simulator of the CANDU Fuelling Machine
S1-P21	E. Pauna, Al. Catana, M. Ioan, D. Nastase <i>ICN Pitesti, Romania</i>	CFD Analyses in Open-source Environment for a Lead Test Facility
S1-P22	I. Pirvu <i>ICN Pitesti, Romania</i>	Strategies for Maintenance, Testing and Evaluation in Nuclear Energetic
S1-P23	F.Pop, C. Croitoru, M. Vijulie, A. Preda, S. Brad, I. Stefanescu, V. Stanciu <i>ICSI Rm. Valcea, Romania</i>	Structured Mixed Packing with Sintered Metal Wire Cloth for Cryogenic Distillation – Preliminary Tests

Radioactive Waste Management

May 25	S1-P24	J. Turner, T. Abram, A. Jones, A.J. Wickham <i>University of Manchester, UK</i>	The Behaviour of TRISO Fuel Matrix Material in a Sealed CO ₂ Atmosphere, Related to a Small-Scale Reactor
	S1-P25	C.D. Bujoreanu, L. Constantin, L. Bujoreanu <i>ICN Pitesti, Romania</i>	A Comprehensive Overview of Upgrade of Waste Department from INR for Ensuring High Quality in Safety, Maintenance and Processing Activities of Radwaste Resulting from Fuel Cycle with Natural Uranium
	S1-P26	Gh. Ionita, I. Popescu, C. Varlam, I. Faurescu, D. Bogdan <i>ICSI Rm. Valcea, Romania</i>	A Critical Analysis on Catalyse of Hydrogen-Water Isotopic Exchange Process
	S1-P27	E. I. Ionete, B. Monea, D. Benchea <i>ICSI Rm. Valcea, Romania</i>	Control System Architecture Applied to a Storage Tritium Environment
	S1-P28	N. Bidica, A. Niculescu, A. Bornea <i>ICSI Rm. Valcea, Romania</i>	Measurements of Hydrogen Isotopes Mixtures Using a Quadrupole Mass Spectrometer of Low Resolution
	S1-P29	S. Gherghinescu, G. Popescu <i>ICSI Rm. Valcea, Romania</i>	Advanced Water-Hydrogen Adsorption Systems for Pilot Plant for Tritium and Deuterium Separation
	S1-P30	<u>Crina Bucur</u> , D. Diaconu, M. Olteanu <i>ICN Pitesti, Romania</i>	The Influence of the Contaminant Interaction with Geological Media on the Subsurface Transport

Poster Session 2

Nuclear Safety

Thursday, May 26	S2-P1	C. Doca, L. Doca <i>ICN Pitesti, Romania</i>	Extrapolation of Monotonous Functions using the Linear Correlation Coefficient
	S2-P2	L. Doca, C. Doca <i>ICN Pitesti, Romania</i>	Laminar Flow with Phase Exchange for Real Liquids – A Simplified Theoretical Model
	S2-P3	M. Farcasiu, I. Prisecaru <i>ICN Pitesti, Romania</i>	The Evaluation of the Human Performance Analysis Methods in Nuclear Facility Operation
	S2-P4	G. Radu <i>ICN Pitesti, Romania</i>	The Influence of the Safety Systems Activation Instant on the Containment Failure Probability
	S2-P5	M. Apostol <i>ICN Pitesti, Romania</i>	Modelling of Ageing Effects in Initiating Events Frequencies
	S2-P6	D. Mladin, I. Prisecaru <i>ICN Pitesti, Romania</i>	Database Applications in Support of Risk Analysis at Nuclear Reactors
	S2-P7	M. Media, A. Crăciunescu <i>ICN Pitesti, Romania</i>	On-Line Diagnosis Procedures for Electromechanical Equipments from Nuclear Power Plants
	S2-P8	M. Serbanel, G. Horhoianu <i>ICN Pitesti, Romania</i>	RIH 35% Large Break LOCA Analyses for the RU43 Fuel Core of CANDU 6 Reactor
	S2-P9	C.Talpalariu, J.Talpalariu, C. Matei <i>ICN Pitesti, Romania</i>	Reliability Analysis For Nuclear Safety Adaptive Redundant Systems
	S2-P10	Gh. Florescu, C. Agapi, V. Panaltescu, I.B. Florescu <i>ICN Pitesti, Romania</i>	Methods for On-Line Monitoring and Risk Evaluation for NPPs Pipeline Systems

Thursday, May 26

Nuclear Reactors

S2-P11	A. I. Ivan <i>CITON Romania</i>	Brayton Cycle in Generation IV of Gas-Cooled Nuclear Reactors
S2-P12	S. Gujiu <i>CITON Romania</i>	Necessary Improvements for CANDU NPP Design in Order to Attain the Performance of the Generation III/III ⁺ NPP Designs
S2-P13	I. Ionita, C. Paunoiu, V. Florescu <i>ICN Pitesti, Romania</i>	Using Q-Space Focusing in Thermal Neutrons Spectrometry to get Improved Resolution Performances
S2-P14	S. C. Valeca, V. Cojocaru <i>ICN Pitesti, Romania</i>	Out of Reactor Testing Technologies of F/M Heads – Romanian Experience. Functional Testing of Telescopic Cylinder RAM Assembly
S2-P15	S. Dulugeac, M. Mladin, C. Toma <i>ICN Pitesti, Romania</i>	Neutronic Studies for Maximizing the Specific Activity of ⁹⁹ Mo Produced by Activation in TRIGA SSR
S2-P16	I. Prodea, C. Aioanei <i>ICN Pitesti, Romania</i>	DIRENBurnup Histories' Comparisons for CANDU and Advanced CANDU Fuel Bundle Designs
S2-P17	M. Vlad, R. Popovici, M. Popescu <i>CITON, Romania</i>	Modern Control, Monitoring and Diagnosis Solutions for Spent Fuel Bay Cooling System
S2-P18	L. Ciufu, R. Mateescu, M. Popescu <i>CITON, Romania</i>	Implementing CANDU Advanced Control and Instrumentation in Cernavodă NPP Future Units
S2-P19	Mihail Cojan <i>ICN Pitesti, Romania</i>	Long-Term Operation of Generation II / III NPP

Thursday, May 26

Radioprotection & Air, Water and Soil Protection

S2-P20	M. Goloşie , I. Zaharie <i>Politehnica University of Timișoara, Romania</i>	Radioactivity of some Underground and Ground Waters
S2-P21	E. Bobric, C. Varlam, C. Bucur, A. Nedelcu, I. Faurescu, D. Faurescu, D. Bogdan, I. Popescu, I. Simionov <i>Cernavoda NPP, Romania</i>	Tritiated Effluents Releases in Danube – Black Sea Canal
S2-P22	F. Sociu, Gh. Barariu, A.D. Sociu <i>CITON, Romania</i>	The Cernavodă NPP Environment Radioactive Controlled Releases Limiting, the Key to Increase the Public Confidence in Nuclear Power Energy in Romania
S2-P23	C. Constantin, A.R. Iurian D. Niță, R. Begy, C.Cindea <i>Babes-Bolyai University Cluj, Romania</i>	Considerations about Iodine 131 Concentrations in Different Environmental Samples after the Fukushima and Chernobyl Nuclear Accidents
S2-P24	I. Faurescu, C. Varlam, I. Stefanescu, D. Faurescu, D. Bogdan <i>ICSI Rm. Valcea, Romania</i>	Establishing Optimum Ratio Water: Cocktail and Calibration Curves for Low Level Liquid Scintillation Measurements
S2-P25	M. Vladu, G. Bulubasa, C. Varlam, N. Bidica, A. Toma, C. Dulama <i>ICSI Rm. Valcea, Romania</i>	The Preoperational Monitoring Program for Environmental Radioactivity around the Pilot Plant for Tritium and Deuterium Separation ICSI Rm. Vâlcea
S2-P26	R. I. Dobrin, M. Pavelescu, C. N. Dulama, Al. Toma <i>ICN Pitesti, Romania</i>	Measurements of Low Activity Levels of ³ H And ¹⁴ C using a TRICARB 2100TR Liquid Scintillation Analyzer
S2-P27	S. Stoica, Al. Toma, C. Dulama, D. Onofrei, D. Astefanesei <i>ICN Pitesti, Romania</i>	INR's Technical Capabilities in the Field of Radiation Protection and Environmental Radioactivity Monitoring
S2-P28	Gh. Vieru, R. Mihaiu, V. Nistor <i>ICN Pitesti, Romania</i>	Aspects Related to the Security of Radioactive Sources
S2-P29	I. B. Florescu, Gh. Florescu <i>University from Pitesti, Romania</i>	Extraction, Transformation and Accumulation of the Energy