



26-28 May, 2021
Pitesti, ROMANIA

CONFERENCE PROGRAMME

	Day 1	Day 2	Day 3
	Wednesday, May 26	Thursday, May 27	Friday, May 28
Eastern European Time			
10:00 - 10:30	Welcome	Radioactive waste management	Nuclear Materials & Technologies
10:30 - 12:00	Opening Session 1		
12:00 - 12:10	Coffee break	Coffee break	Coffee break
12:10 - 14:00	Advanced Nuclear Systems and SMRs	Nuclear Safety & Severe Accidents	Nuclear Education & Training Nuclear 2021 Awards Nuclear 2021 Student Awards
14:00 - 15:00	Lunch Break	Lunch Break	Lunch Break
15:00 - 17:00	Advanced Nuclear Systems and SMRs	Nuclear Reactors	Radioprotection

Please, REGISTER ONLINE to get access to the conference!

All times in the Programme are reported to the Eastern European Summer Time (Bucharest time)

Poster contributions will be available throughout the Conference for all registered participants



Day 1 - May 26

Wednesday, May 26	10:00 - 10:10	Welcome by: Constantin Paunoiu and Serban Valeca from RATEN ICN, and Catalin Ducu from RATEN
	10:10 - 10:30	Messages from the Romanian Academies
	Opening Session	
	Chairman: Serban Valeca	
	10:30 - 10:55	Daniela Diaconu <i>RATEN ICN, Romania</i>
	10:50 - 11:10	Roger Garbil <i>EC DG RTD, Belgium</i>
	11:10 - 11:20	<i>Ministry of Energy, Romania</i>
	11:20 - 11:30	Viorel Vulturescu <i>Ministry of Research, Innovation and Digitization, Romania</i>
	11:30 - 11:40	Cantemir Ciurea-Ercau <i>CNCAN, Romania</i>
	11:40 - 11:50	Teodor Chirica <i>SNN, Romania</i>
Co-chairman: Catalin Ducu		
	RATEN ICN at the 50 th anniversary	
	Horizon Europe – Euratom R&D Programme for 2021-2027	
	<i>Keynote</i>	
	<i>Keynote</i>	
	<i>Keynote</i>	
	<i>Keynote</i>	
12:00 - 12:10	Coffee break	

Advanced Nuclear Systems and SMRs

Chair: Mariano Tarantino

Co-chair: Ilie Turcu

12:10 - 12:30	<u>Alessandro Alemberti</u>	ANSALDO Italy	The LFR Technology Status around the world
12:30 - 12:50	<u>Marco Caramello, Michele Frignani, Mariano Tarantino, Giacomo Grasso</u>	ANSALDO NUCLEARE Italy	ALFRED Revised Configuration
12:50 - 13:10	<u>Mirela Nitoi, Michele Frignani, Marco Caramello, Giacomo Grasso</u>	RATEN ICN, Pitesti Romania	ALFRED Licensing Preparatory Stage
13:10 - 13:30	<u>Giacomo Grasso</u>	ENEA Italy	Staged Approach in ALFRED operation
13:30 - 13:50	<u>Janne Wallenius</u>	LeadCold, Stockholm, KTH Royal Institute of Technology, Sweden	Design of SEALER-55, a Small LFR for On-grid Power Production
13:50 - 14:00	<u>Discussions</u>		
14:00 - 15:00	Lunch break		
15:00 - 15:20	<u>Marin Constantin, G. Grasso, M. Tarantino, M. Caramello, M. Frignani, I. Turcu, M. Hororoï, V. Cojocar, D. Diaconu, M. Nitoi, M. Apostol, D. Gugiu, A. Alemberti, P. Agostini</u>	RATEN ICN, Pitesti Romania	Conceptual Design for RDI and Licensing Infrastructure in Support of ALFRED Implementation
15:20 - 15:40	<u>Pierdomenico Lorusso, Giacomo Grasso, Ivan Di Piazza, Francesco Lodi, Daniele Martelli, Mariano Tarantino</u>	ENEA Italy	PLOFA in a HLM pool facility: long term cooling experiment
15:40 - 16:00	<u>Alexandru Nitu, L. Aioanei, A. Vălcu, V. Radu, M. Hororoï, V. Ionescu, L. Stoica, D. Toma, V. Olaru</u>	RATEN ICN, Pitesti Romania	Control System Development for Liquid Lead Testing Installation
16:00 - 16:20	<u>Minodora Apostol, M. Constantin, D. Diaconu, D. Chirlesan, S.C. Valeca, S. Fianu, G. Plaiasu, D. Dupleac, M. Tarantino, G. Firpo</u>	RATEN ICN, Pitesti Romania	Competence Building Actions for ALFRED Infrastructure
16:20 - 16:40	<u>Adam Zuckerman</u>	Energy Impact Center OPEN 100 USA	The OPEN100 Project: The World's First Open-Source Platform for The Design, Construction, And Financing of Nuclear Power Plants
16:40 - 17:00	<u>Discussions</u>		

Wednesday, May 26

End of the 1st day

Day 2 - May 27

Radioactive Waste Management

Chair: **Chris de Bock**

Co-chair: **Daniela Diaconu**

Thursday, May 27	10:00 - 10:20	<u>Chris De Bock</u> , Liz Harvey, Crina Bucur	ONDRAF/NIRAS, Brussels, Belgium	Status of Waste Acceptance Criteria for Predisposal and Disposal in Europe
	10:20 - 10:40	<u>Crina Bucur</u> , Denise Ricard	RATEN ICN Pitesti Romania	Radioactive waste characterization practices and gaps in Europe
	10:40 - 11:00	<u>Mirela Olteanu</u> , Crina Bucur <u>Camelia Ichim</u> .	RATEN ICN Pitesti Romania	Study of Technetium Sorption on Pure Clay Mineral
	11:00 - 11:20	<u>Frank Lemy</u> , Valéry Detilleux, Dirk-Alexander Becker, Daniela Diaconu, Astrid Göbel, Julien Dewoghélaëre	Bel V Belgium	First Outcomes of the Uncertainty Management multi-Actor Network (UMAN)
	11:20 - 11:40	<u>John Saroudis</u>	CNPSA Romania	Dealing with Low Level Waste When Planned Permanent Disposal Plans Are Delayed
	11:40 - 12:00	<u>Ernestas Narkūnas</u> , Povilas Poškas, Audrius Šimonis, Artūras Šmaižys	LEI Lithuania	A Special Case for the Evaluation of Shielding Requirements for the Management of DSRS during Decommissioning of Radon Type Maišiagala Disposal Facility in Lithuania
	12:00 - 12:10	<i>Discussions</i>		
	12:10 - 12:20	<i>Coffee break</i>		

Nuclear Safety & Severe Accidents

Chair: **Cantemir Ciurea-Ercau**

Co-Chair: **Mirea Mladin**

Thursday, May 27	12:20 - 12:45	<u>Madalina Coca</u> , <u>Andreea Ungureanu</u> , Madalina Ionita	CNCAN, Romania	NOR-ROM Project for the Enhancement of Nuclear Safety and Security in Romania
	12:45 - 13:10	<u>Mirea Mladin</u> , Georgiana Budriman, Stefan. Dulugeac, Cristina Dobrinou	RATEN ICN Pitesti Romania	Aspects of Safety Analysis for Romania's TRIGA
	13:10 - 13:35	<u>Madalina Coca</u> , <u>Andreea Ungureanu</u> , Madalina Ionita, Iulia Jianu	CNCAN, Romania	Romanian Regulatory Efforts to Enhance Nuclear Safety Culture
	13:35 - 14:00	<u>Dumitra Lucan</u> , Diana Diniasi, Gabriela Tudorache, Gheorghita Jinescu	RATEN ICN Pitesti, Romania	Considerations Regarding the Usefulness of the Ageing Management Programs for the CANDU NPP Key Components' Life Extension
	14:00 - 14:10	<i>Discussions</i>		
	14:10 - 15:00	Lunch break		

Nuclear reactors and nuclear fuels

Chair: Dumitru Barbos

Co-chair : Dragos Ionescu

Thursday, May 27

15:00 - 15:20	<u>Karin Popa</u> , <u>Jean-François Vigier</u> , <u>Olaf Walter</u> , <u>Daniel Freis</u>	European Commission, Joint Research Centre (JRC), Karlsruhe, Germany	New Synthetic Route for the Production of Mixed Oxides as Transmutation Fuels
15:20 - 15:40	<u>Mohammed Sallah</u>	Mansoura University Egypt	Derivation and Solution of Fractional Neutron Transport Equation in Finite Participating Slab Media with Quadratic Scattering
15:40 - 16:00	<u>Cristina Alice Mărgeanu</u>	RATEN ICN Pitesti Romania	Evaluation of Spent Fuel Inventory and Radioactivity for CANDU Type Fuel Bundles Containing Different U-based Compositions
16:00 - 16:20	<u>Iosif Prodea</u>	RATEN ICN Pitesti Romania	Reactor Physics Aspects Associated to the Conversion of a CANDU Reactor Core Fuelled with Natural Uranium to NUE Fuel
16:20 - 16:40	<u>Alina Răduț</u> , <u>I. Prisecaru</u> , <u>R.M. Roman</u> , <u>E. Matei</u>	RATEN ICN Pitesti Romania	Thorium Fuel Bundle Behavior Under Irradiation Conditions. A Comparative Study
16:40 - 17:00	<u>Nawal Elbassiony</u> , <u>C.A. Mărgeanu</u> , <u>M. Sallah</u> , <u>A. Elgarayhi</u>	Mansoura University Egypt	Application of Monte Carlo Techniques to Spent Fuel Shielding Calculations
17:00 - 17:20	<i>Discussions</i>		

End of the 2nd day

Day 3 - May 28

Nuclear Technology and Materials

Chair: *Marjorie Bertolus*

Co-chair: *Vasile Radu*

Friday, May 28

10:00 - 10:25	<u><i>Marjorie Bertolus</i></u>	CEA, Centre de Cadarache France	Using a basic research approach to improve fuel performance codes
10:25 - 10:50	<u><i>Radu Vasile</i></u>	RATEN ICN Pitesti, Romania	Study to assess the ductile fracture in Zr-2.5%Nb by J-integral with the Finite Element Method using the Gurson-Tvergaard-Needleman Model
10:50 - 11:15	<u><i>Manuela Fulger, M. Tunaru, M. Mihalache, D. Diniasi, A. Tudose, D. Petrescu, C. Ionescu, L. Popa</i></u>	RATEN ICN Pitesti, Romania	Research Activities in the Frame of National Research Programme "NPP Circuits Chemistry"
11:15 - 11:40	<u><i>Denisa Toma, A. Nițu, L. Aioanei, A. Vilcu, L. Stoica, V. Ionescu, V. Olaru, Al. Florea</i></u>	RATEN ICN Pitesti, Romania	Study on the Development, Implementation and Analysis of Software Programs for the Acquisition and Control of Working Parameters for the Experimental Test Facility in Liquid Lead Environment
11:40 - 12:00	<i>Discussions</i>		
12:00 - 12:10	<i>Coffee break</i>		

Education, Training and Knowledge Transfer

Chair: *Serban Valeca*

Co-chair: *Dumitru Chirlesan*

Friday, May 28

12:10 - 12:30	<u><i>Concetta Fazio</i></u>	JRC Petten Netherlands	Training opportunities at the JRC Laboratories
12:30 - 12:50	<u><i>Gabriel Pavel</i></u>	ENEN, Belgium	ENEN Education and training opportunities for students and young scientists
12:50 - 13:10	<u><i>Nicolas JENNER</i></u>	IRSN, France	ETSON Junior Staff Program objectives and opportunities
13:10 - 13:30	<u><i>Serban Valeca, Dumitru Chirlesan, Daniel Dupleac</i></u>	University from Pitesti Romania	Educational programs on Gen IV technologies in Romania
13:30 - 13:40	<i>Discussions</i>		

13:40 - 14:00
Nuclear Student Award Ceremony (Serban Valeca)
Student 1
Student 2
Student 3

14:00 - 14:20
NUCLEAR 2021 Awards Ceremony (Daniela Diaconu)
Young scientist 1
Young scientist 2
Young scientist 3

14:20 - 15:10
Lunch break

Radioprotection and Air, Water & Soil Protection

Chair: Alexandru Toma

Co-chair: Cristian Dulama

Friday, May 28

15:10 - 15:30

Daniela Pulpea, G. Toader, T. Rotariu, A. Moldovan, G.B. Pulpea, A. Podaru

Military Technical Academy „Ferdinand I” Bucharest, **Romania**

Advances in Radioactive Decontamination via STRIPCOAT-HMR Research Project

15:30 - 15:50

Ruxandra Cristina Săpoi, Margareta Cheresteş, Alexandra Nacu, Costinel Toma

Dositracker, **Romania**

Continuous Monitoring of Radon Activity Concentration for Workplaces

15:50 - 16:10

Valentina Neculae, Relu Dobrin, Cristian Dulama

RATEN ICN, **Romania**

Study of the Self-Absorption Effect in Gross Alpha and Beta Activity Measurement by using GFPC Method

16:10 - 16:30

Daniela Stanciu, Monica Valeca, Gina Zăvoianu

RATEN ICN, **Romania**

Optimization of soil and sediment sample preparation methods used for natural uranium content determination

16:30 - 16:50

Mohamed Mitwalli, C. Dulama, A. H. El-Farrash, D. Chirleşan, M. Sallah

Mansoura University **Egypt**

Determination of Environmental Radioactivity in Manzala Lake Sediment Samples by Gamma-Ray Spectrometry

16:50 - 17:05

Discussions

17:05 - 17:15

Closing Remarks

Poster Session

Advanced Nuclear Systems and SMRs

S1-P1	<u>B. Aliyari</u> , O. Noori-kalkhoran, M. Rahgoshay Islamic Azad University, Iran	Conceptual Design of an Innovative Molten Metal Micro Modular Reactor (4M)
S1-P2	<u>Aliyari Babak</u> Islamic Azad University, Iran	Conceptual Design and Thermal-hydraulic and Neutronic Simulation of Ronak Nuclear Reactor
S1-P3	<u>Saeed Zare Ganjaroodi</u> , Mohammad Rahgoshay Islamic Azad University, Iran	Neutronic Study of ALFRED Small Modular Reactor Core using Monte Carlo Simulation
S1-P4	<u>Ana Maria Ivan</u> , Daniela Gugiu RATEN ICN, Romania	Polonium Evaporation in LFR and an Experimental Device Proposal for Testing Absorbent Materials
S1-P5	<u>I. V. Gondac</u> , E. Stoica, M. Nitoi RATEN ICN, Romania	Strengths and Challenges in using Passive Systems in Advanced Nuclear Reactors

Nuclear Technology and Materials

S2-P1	<u>Livia Stoica</u> , Vasile Radu, Alexandru Nitu, Denisa Toma, Valentin Olaru RATEN ICN, Romania	A Critical Review of the Liquid Metal Embrittlement Models as Support for Generation IV Materials Damage Analysis
S2-P2	<u>Cristian Costea</u> , Mihai Arva RATEN ICN, Romania	State of the Art Solutions for the Acquisition and Processing of Data from Nuclear and Industrial Installations
S2-P3	<u>C. Ivan</u> , M. Arva, C. Guță RATEN ICN, Romania	Review of Predictive Control Methods used in Nuclear Domain
S2-P4	<u>Mihai Arva</u> , Hoarcă Ioan-Cristian, Andrei Vilcu RATEN ICN, Romania	Case Study on Oven Heat Transfer Process Modeling used for He Heat Treatment of Low Enriched Uranium Fuel Elements
S2-P5	<u>Mihai-Catalin Arva</u> , C.G.Serban, Cristian Costea, Cosmin Ivan, Cornelia Guta RATEN ICN, Romania	Temperature Control in the Nuclear Fuel Heat Treatment Installation using Programmable Logic Controllers
S2-P6	<u>Irina Sturzeanu</u> RATEN ICN, Romania	Influence of Thermal Aging on Different Concrete Classes Used in Nuclear Constructions
S2-P7	<u>Marius Media</u> , N.T. Ciobanu, S.C. Valeca RATEN ICN, Romania	Simulation Model of Induction Heating for Brazing Instrumented Passages from the Nuclear Fuel Irradiation Device Upper Area, Using BNI-7 Filler Alloy
S2-P8	<u>A. F. Florea</u> , C. Ivan, I. Pirvu RATEN ICN, Romania	Acquisition System for Leak Testing of Fuel Cladding End Cap Welds
S2-P9	<u>Sabin Calin</u> , Diana Diniasi RATEN ICN, Romania	Intergranular Corrosion Testing of 304L Stainless Steel
S2-P10	<u>Dumitru Puiu</u> , Bogdan Corbescu, Costin Cepisca RATEN ICN, Romania	The Non-Destructive Evaluation Technique for Power Cable Ageing
S2-P11	<u>Ovidiu Ichim</u> , O. Uta, M. Savu, A.Ganescu RATEN ICN, Romania	Gamma Scanning Examination of a Low Enriched Uranium Fuel Element Irradiated in the TRIGA SSR Reactor

Nuclear Reactors, Nuclear Fuels

S3-P1	<u>Mohammad Rahgoshay</u> , Saeed Zare Ganjaroodi Islamic Azad University, Iran	Thermohydraulic Parameters Analysis of VVER-1000 Reactor Core using 3DTH Program Design Based on Unorganized Networking
S3-P2	<u>Marius Nehoianu</u> , Serban Constantin Valeca, Aioanei Laurentiu, Andreea Serbanescu RATEN ICN, Romania	TRIGA-SSR Thermal Column Neutronic Characterization by Foil Activation Method

Nuclear Safety & Severe Accidents

S4-P1	<u>Mohammad Rahgoshay</u> , Science and Research Branch, Islamic Azad University, Iran	Containment Modeling of VVER-1000 Nuclear Power Plant in the Double Ended Cold Leg Accident
S4-P2	<u>Mohammad Rahgoshay</u> , Abdolhosein Fereidoon, Zahra Ghilavizadeh, Mitra Athari Islamic Azad University, Iran	Investigation of the Molten Core Equations for In-Vessel Retention Strategy
S4-P3	<u>Madalina Coca</u> , Andreea Ungureanu, Madalina Ionita CNCAN, Romania	Latest Romanian Regulatory Developments in Nuclear Safety
S4-P4	<u>Nita Iulian Pavel</u> , Nitulescu Luminita, Pancef Rodica RATEN CITON, Romania	A Passive Safety System for CANDU6
S4-P5	<u>Jean Matei</u> CITON Bucharest Romania	Stress Analysis of the CANDU Type Reactor in the Event of Pressure Tube and Calandria Tube Failure Due to Fuel Channel Flow Blockage

Radioactive Waste Management

S5-P1	<u>Cristina Diaconescu</u> , Maria Mihalache, Ionut Florea, Camelia Ichim RATEN ICN, Romania	Efficiency Calibration Methods of GeHP Detector for Gamma Ray Measurements from Solid Radioactive Waste
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Radioprotection & Air, Water and Soil Protection

S6-P1	<u>Mohammad Rahgoshay</u> , Jalil Jafari, Farooq Ghaderinia Islamic Azad University, Iran	Modeling the Distribution of Radioactive Material Released from the APR1400 Reactor in the Environment, by using HYSPLIT and ADMS
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Research Infrastructure

S7-P1	<u>Carmen Maria Moraru</u> , Iulia Stefan, Ciprian Bucur, Ovidiu Balteanu, Nicolae Sofilca, Mihai Vijulie ICSI Rm. Valcea, Romania	Parameters Configuration in the Vijeo Historian Database from the Tritium Experimental Separation Plant (PESTD)
S7-P2	<u>Andrei-Alexandru Marin</u> RATEN ICN, Romania	Preliminary Investigation on the Thermal Energy Storage for Lead-Cooled Fast Reactors
S7-P3	<u>Alexandra Coman</u> , D. Predescu RATEN ICN, Romania	Embedded System for Testing and Calibration F/H Machine Testing Rig

Education, Continuous Learning and Knowledge Management

E-P1	<u>Ramona Popescu, Serban Constantin Valeca, Viorel Ionescu</u> University of Pitesti, Romania	Experimental Study of the Fatigue Cracks Initiation on the Zr-2.5%Nb Pressure Tube Specimens
E-P2	<u>George - Sebastian Ciobanu, Dumitru Chirleşan, Aurelia Elena Tudose</u> University of Pitesti, Romania	Electrochemical Methods for Characterization of Oxides Grown on Austenitic Stainless Steel Components from CANDU Circuits
E-P3	<u>Valentina Roxana Dima, Monica Valeca and Mariana Postelnicu</u> University of Pitesti, Romania	The Uranium Recovery from Secondary Products Resulting from the Fabrication of Experimental Fuel Elements
E-P4	<u>Nicoleta Lihor, Monica Valeca, Vasile Pitigoi</u> University of Pitesti, Romania	Diametral Compressive Testing Method By UO ₂ Pellets
E-P5	<u>Straut Ion – Adrian, Valeca Serban Constantin, Tudose Aurelia, Petrescu Daniel, Lucan Dumitra</u> University of Pitesti, Romania	Investigation of the CANDU Steam Generator Tubing Material's Corrosion Behavior
E-P6	<u>A.A. Bica, S. Valeca, A.C. Radut</u> University of Pitesti, Romania	Assessment of Advanced CANDU Nuclear Fuel Element Irradiated in TRIGA Research Reactor
E-P7	<u>M. Ilina, M. Dianu</u> University of Pitesti, Romania	Strontium Separation by Chromatographic Extraction Process for ⁹⁰ Sr Assessment
E-P8	<u>Banu Cristina Elena, Enache Nicoleta Gabriela, Serban Constantin Valeca</u> University of Pitesti, Romania	Quality Monitoring of TRIGA Reactor Primary Coolant by Analytical Control of Iron and Silica Content
E-P9	<u>Andreea Ionita, Monica Valeca, Roxana Iordache</u> University of Pitesti, Romania	Control and Limitation of Radioactive Emissions in the Environment for a Nuclear Installation
E-P10	<u>Maria-Andreea Stoica, Şerban Valeca, Bogdan Corbescu</u> University of Pitesti, Romania	Establishing the Theoretical Limit of the Liquid Nitrogen Requirement for the Controlled Filling with Ice Plug of a Horizontal Pipe with Nominal Diameter 300 Crossed by Demineralized Water
E-P11	<u>Georgian Birsan, Mita Farcasiu, Serban Valeca</u> University of Pitesti, Romania	Probabilistic Safety Assessment Applications in Support of the Nuclear Installations Operation
E-P12	<u>Mihaela Florea, Irina Sturzeanu, Monica Valeca</u> University of Pitesti, Romania	Utilization of Metallic Getters for the Separation Systems of the Tritium Resulted from Generation IV Nuclear Reactors
E-P13	<u>Alexandra Georgiana Floarea, Monica Valeca, Rodica Magereanu</u> University of Pitesti, Romania	Determination of Uranium Concentration in Biological Samples
E-P14	<u>A.G. Bican, S.C. Valeca, A. Radulescu</u> University of Pitesti, Romania	TRIGA Reactor LEU Nuclear Fuel Monitoring
E-P15	<u>M. Barbu, L. C. Dinu</u> University of Pitesti, Romania	Basic Characterisation of the Time Dynamics of a Loss-of-Cooling Accident in the Spent Fuel Pool of a CANDU NPP
E-P16	<u>Diana Soare, Serban Constantin Valeca, Iosif Prodea</u> University of Pitesti, Romania	Advanced Fuel Designs Influence on The Adjuster and Mechanical Rod Systems Performances in a CANDU Reactor
E-P17	<u>A. G. Nuta, A. Amzoi, S. C. Valeca</u> University of Pitesti, Romania	Instrumentation of Devices used in Irradiation Experiments
E-P18	<u>Lixandru Mihai-Albert, Monica Valeca, Graţiela Tudor</u> University of Pitesti, Romania	Quality Control for Radiometric Measurements

E-P19	<u>George Bogdan Soare</u> , Adrian Florinel Bucsa University of Pitesti, Romania	Evaluation of Irradiated Environmental Samples in The TRIGA Reactor Using the Neutron Activation Analysis Method
E-P20	<u>Madalina Breazu</u> , Ileana Gondac, Cristina Constantinescu, Adriana Dutcec, Serban C. Valeca University of Pitesti, Romania	Systems Modelling in Nuclear Power Plants
E-P21	<u>Roxana Joitescu</u> , C.A. Mărgeanu, S.C. Valeca University of Pitesti, Romania	Assessment of the Accidental Criticality for CANDU Fuel Bundles Containing U-based Fuels
E-P22	<u>Elena Doinița Morlova</u> , Monica Valeca, Elena Dumitru University of Pitesti, Romania	Application of Microwave Energy to the Treatment of Radioactive Sludge
E-P23	<u>Giuiu Elena Camelia</u> , Mugurel Ungureanu, Șerban Valeca University of Pitesti, Romania	Instrumentation used in Molten Lead Facilities
E-P24	<u>Dragan Maria Gabriela</u> , Monica Valeca, Mircea Stefania Daniela University of Pitesti, Romania	Radiological monitoring of work spaces, tool for controlling workers exposure
E-P25	<u>Anghel Florica</u> , Monica Valeca, Irina Zdru University of Pitesti, Romania	Experimental study for the characterization of solutions obtained by mineralization of ionic resins marked with radiochemical tracks
E-P26	<u>Georgiana Vlad</u> , Ovidiu Hirica, Monica Valeca University of Pitesti, Romania	Study of Radon concentration in drinking water from wells in the area of Mioveni town
E-P27	<u>Iulia Pietris</u> , Ionut Florea University of Pitesti, Romania	Chemical Degradation Impact on Mechanical Strength of Mortars
E-P28	<u>Al Saadi Muntadher Ali Mohammed Jawad</u> , Monica Valeca, Daniel Onofrei University of Pitesti, Romania	Sociological Research Applied in the Development Stages of Nuclear Projects
E-P29	<u>A.D. Salaman</u> , M. Valeca, A.F. Florea University of Pitesti, Romania	Detecting Radioactivity Characteristic of a Geiger-Müller Counter Tube
E-P30	<u>M. Stoica</u> , S. Valeca, V. Ion, O. Rusu, A. Marin, E. Coacă University of Pitesti, Romania	The Evolution of the Discharge Events during the Plasma Electrolytic Oxidation of Titanium
E-P31	<u>Stefan C. Gheorghie</u> , Serban Valeca, Darie Predescu University of Pitesti, Romania	Independent Simulator for CANDU600 Fuel Handling System - Operating Procedures in Emergency Situations
E-P32	<u>Ramona Ene</u> , Monica Valeca, Gabriela Barbu University of Pitesti, Romania	Management of the monitoring system for the professional exposed personnel from a nuclear installation