



Summer Workshop 2018

Radioactive waste management, environmental protection and decommissioning

3rd -7th September 2018



The ETSON JSP Summer Workshop is an annual networking event of young professionals from Technical Safety Organizations. Technical program comprises presentations given by participants, interactive group work and moderated workshops on a specific topic. The workshop encourages inter-cultural interaction, exchange of expert knowledge and good practices and provides to participants a good opportunity to widen their professional network.

Participation to the workshop is free of charge. Participants must be nominated by ETSON member organizations and should have basic knowledge of nuclear safety concepts and methodologies. Candidates are encouraged to contact local ETSON members (information available at: <http://www.etsou.eu/jsp>).

Technical Tours

A technical visit of RATEN ICN facilities (TRIGA Research Reactor, Post-Irradiation Examination Laboratory, Radioactive Waste Treatment and Conditioning Plant) is foreseen.



Venue

The Workshop will be held at the Institute for Nuclear Research (RATEN ICN) premises, in Mioveni, town located approx. 20 km distance from Pitesti.

The closest airport is Henri Coanda - Otopeni (115 km to Pitesti, freeway access).

From Bucharest, Pitesti can be reached:

- by car - on freeway A1;
- by a special bus – from airport to Muntenia hotel – please consult www.mementobus.com/en departure hours and conditions (you need to pay in advance and to receive a voucher);
- by train - from Bucharest North Railway Station (Gara de Nord);
- by bus - almost every 30 min. from Militari Bus Station.

The transport from Pitesti to Mioveni shall be provided by RATEN ICN every morning and afternoon, from and to Muntenia Hotel.

Accommodation

Pitesti recommended hotels:

Hotel Ramada www.ramadapitesti.ro

CaleaBucuresti 31, phone: +4 0372 480500,

Hotel Victoria www.victoriahotel.ro

Str. Egalitatii21, phone: +4 0248 220777,

Hotel Cara www.hotel-cara.ro

Str. I.C. Bratianu2, phone: +4 0248 218045,

Hotel Arges www.hotelarges.ro

PiataMuntenia 3, phone: +4 0248 223399,

Hotel Yaky Center www.yakycenter.ro

Bulevardul Republicii 57,

phone: +4 0248 224227

For further information, please **contact:**

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	Monday	Tuesday	Wednesday	Thursday	Friday
	OPENING SESSION	RADIOACTIVE WASTE MANAGEMENT <i>Chair: Crina Bucur</i>	TECHNICAL VISTS AT THE REACTOR CENTER (TRIGA reactor, Post-Irradiation Examination Laboratory, Radioactive Waste Treatment and Conditioning Plant)	RADIOACTIVE WASTE MANAGEMENT <i>Chair: Federica Russo</i>	RADIOACTIVE WASTE MANAGEMENT
09.00–10.30	Welcome speech <i>Alexandru Toma, Scientific Director ICN</i> Self-introduction of participants ETSON organization and activities <i>Nicolas Jenner, IRSN</i>	Legal framework for Nuclear Safety and Radioactive Waste Management <i>Iulia Nicoleta Jianu, Marian Anton Iacobet, CNCAN</i> Methods for Spent Ion Exchange Resins Characterisation <i>Cristina Diaconescu, RATEN ICN</i> The radiological characterization of the wastes at the Institute for Nuclear Research Pitesti <i>Valentina Neculae, RATEN ICN</i>		Gel formation in conditioned waste drums: safety issues, possible solutions and lessons learned <i>Federica Russo, Bel V</i> Clay buffer in KBS-3 type repository: bentonite microstructure <i>Michal Matusewicz, VTT</i> Investigation of corrosion processes for a deep geological repository <i>Katerina Vizelkova, CV Rez</i>	Fire safety in nuclear installations: analysis of fire hazards in radioactive waste disposal and spent fuel storage facilities <i>Caroline Vandenbroucke, Bel V</i> Analysis and prediction of extreme groundwater levels <i>Claire Petter, IRSN</i> Guidance for a performance-based inspection of radioactive waste management in nuclear facilities <i>Federica Russo, Bel V</i>
10.30–11.00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
	General presentations by ETSON Members				WORKSHOP CLOSURE
11.00–12.00	<i>Mirela Nitoi, RATEN ICN</i> <i>Nicolas Jenner, IRSN</i> <i>Federica Ruso, BelV</i> <i>Gennady Arbaev, SEC NRS</i> <i>Mitja Uršič, JSI</i> <i>Antonio Cervone, ENEA</i> <i>Andrius Slavickas, LEI</i> <i>Matthias Dewald, GRS</i> <i>Christopher Taberner, Wood RSD</i> <i>Katerina Vizelkova, CV Rez</i> <i>Michal Matusewicz, VTT</i>	Determination of Pu, Am, Cm isotopes in spent ion exchange resins samples <i>Marina Petre, RATEN ICN</i> Radionuclide Release from CANDU Spent Fuel <i>Mirel Stanica, RATEN ICN</i>		Physical protection of radioactive waste <i>Alexander Egarov, SEC NRS</i> Study of the influence ammonium nitrate content in high liquid wastes on explosive safety of vitrification-process <i>Aleksandr Emelianov, SEC NRS</i>	DEPARTURES
12.00–14.00	Lunch	Lunch	Lunch	Lunch	
	<i>Chair: Mirela Nitoi</i>	STORAGE AND DISPOSAL <i>Chair: Gennady Arbaev</i>	DECOMMISSIONING ASPECTS <i>Chair: Antonio Cervone</i>	TRANSPORT OF RADIOACTIVE MATERIALS <i>Chair: Nicolas Jenner</i>	
14.00–15.30	H2020 European Research and Innovation Program <i>Nicolas Jenner, IRSN</i> RATEN ICN R&D Infrastructure <i>Alexandru Toma, RATEN ICN</i> Radioactive Waste Management Program <i>Crina Bucur, RATEN ICN</i>	Safety assessments for radioactive waste disposal facilities in Romania <i>Alina Constantin, Daniela Diaconu, RATEN ICN</i> Environment reference state and specimen bank for radioactive waste disposal <i>Chiara Telloli, ENEA</i> Thermal evolution of a conceptual repository designed for CANDU spent fuel disposal <i>Roxana Roman, Alina Radut, Diana Oproiu, RATEN ICN</i>	Germany – Status and Developments in Decommissioning <i>Matthias Dewald, GRS</i> Russian regulatory framework for conducting a final characterization of nuclear facilities which have been shutdown for decommissioning <i>Viacheslav Konyuhov, SEC NRS</i> Decommissioning of the RB3 research reactor <i>Antonio Cervone, ENEA</i>	Transportation management of nuclear waste packages <i>Arnaud Bouetard, IRSN</i> Safety analysis of irradiated nuclear fuel transportation container <i>Andrius Slavickas, LEI</i> Testing radioactive material transportation packages in ICN Pitesti <i>Marius Olteanu, Ramona Voiculescu, Rita Baibarac RATEN ICN</i>	
15.30–16.00	Coffee break	Coffee break	Coffee break	Coffee break	
16.00–17.00	Montecarlo simulations for ex-core responses <i>Patrizio Console Camprini, ENEA</i> Methodology for SOURCE TERM estimation in VVER technology <i>Luca Ratti, CV Rez</i>	Behaviour of Cement Based Materials in Near Surface Repository Conditions <i>Ionut Florea, RATEN ICN</i>	TRIGA reactor decommissioning plan <i>Adrian Bucsa, RATEN ICN</i> Submarine Decommissioning <i>Christopher Taberner, Wood RSD</i>	JSP REPRESENTATIVES' MEETING	
Evening	Free	Dinner	Free	Free	