

MONDAY

9:00	Registration	09:30-13:00 Social programme for early birds: Visiting the Hospital in the Rock Nuclear Bunker Museum and the Buda Castle district							
9:00-12:00	Associate Societies Forum (Bartók II)								
13:00-14:00	Lunch								
Room	Pátria			Brahms		Mozart	Strauss	Bartók I	
14:00-15:00	Opening ceremony								
Session chair	Hannes Stadtmann & Tibor Bujtás								
	János Petrányi - Chair of the Congress								
	Bernard LeGuen, President of International Radiation Protection Association								
	Csilla Pesznyák Co-Chair & Tamás Pázmándi Co-Chair of Core Scientific Committee								
	Franz Josef Maringer, Austrian Radiation Protection Society								
	Sylvain Andresz, Leadership Committee Chair, IRPA Young Generation Network								
	Mr. Miroslav Pinak, Head of Radiation Safety and Monitoring Section, International Atomic Energy Agency								
	Werner Rühm, Chair of International Commission on Radiological Protection								
	Csilla Pesznyák, President of European Nuclear Education Network								
	Paddy Gilligan, President of European Federation of Organisations For Medical Physics								
	Filip Vanhavere, Chairperson of Executive Board, European Radiation Dosimetry Group								
	Kádár Andrea Beatrix, President of Hungarian Atomic Energy Agency								
	Gaston Meskens, Ghent University, Centre for Ethics and Value Inquiry								
	Plenary talks								
	Katona Tünde & Csilla Pesznyák								
15:00-15:30	Jenia Vassileva and Burcin Okyar: Meeting the radiation protection challenges – “ Novel approaches for medical and occupational exposure control”								
15:30-16:00	Werner Rühm: Progress on the review and revision of the ICRP system of radiological protection								
16:00-16:30	Bernard LeGuen: Enhancing radiation safety culture in health care : a joint IRPA WHO IOMP IAEA initiative								
16:30-17:00	Coffee break								
	Highlighted presentations I.					Combined Session NIR			
Session chair	Franz Josef Maringer & Tamás Pázmándi					Sigurdur Magnusson & Peter Jeschke			
17:00-17:15	Harald Breitreutz: Identification and quantification of anomalies in gamma dose rates of environmental radiation monitors using artificial intelligence					Emilie van Deventer (Virtual participant): A framework for non-ionizing radiation protection			
17:15-17:30	Nathalie Vanhoudt (Virtual participant): Influence of earthworms on the bioavailability of radium and metals in soil					Eric van Rongen (Virtual participant): The ICNIRP 2020-2024 work plan			
17:30-17:45	Gonzalo Garcia-Fernandez: Impact of new delivery methods on the operational radiation protection of Compact Proton Therapy Centers (CPTC)					Julien Modolo & Alexandre Legros (Virtual participant): Communication with the public of EMF health effects: creation of a non-ionizing radiation task group at IRPA			
17:45-18:00	Mandy Birschwilks (Virtual participant): RadoNorm - Towards effective radiation protection based on improved scientific evidence and social considerations - focus on radon and norm					Nigel A. Cridland (Virtual participant): Limits of scientific insight when updating ICNIRP guidelines			
18:00-18:15	Filip Vanhavere: Personal on-line dosimetry using computational methods: the PODIUM project								
18:15-18:30	Joanne Stewart: Working together on E&T in radiation protection					Plenary Discussion			
18:30-20:00	Welcome reception								

TUESDAY

Room	Bartók II	Liszt	Lehár	Brahms	Mozart	Strauss	Bartók I
	Refresher course I.	Refresher course II.	Refresher course III.	Refresher course IV.			
08:00-08:50	Enora Clero: Radiation detriment calculation methodology	Eduard Gershkevitch: Learning from incidents in radiotherapy: retrospective and prospective risk analysis	Péter Zagvyai: New challenges in radiation protection	Tom Clarijs: How to apply the systematic approach to radiation protection training?			
	Industry&NPP	Medical applications I	Radioactivity monitoring and emergency monitoring I	Measurement and standardisation			
Session Chair	Máté Solymosi & Tibor Bujtás	Lukas Jägerhofer & Richárd Elek	Mauro Magnoni & János Petrányi	Franc Jozef Maringer & László Szűcs			
09:00-09:15	Young Scientist Competition	Clémence Baudin (Virtual participant): Dysfunction of the salivary and lacrimal glands after radioiodine treatment: preliminary results of a self-controlled study in France	Bharath Bharath: Carbon-14 specific activity in atmospheric air in the vicinity of a PHWR nuclear power plant in India	Petr Kuča: Citizen monitoring of ambient dose rate: the SAFecast project			
09:15-09:30	YSC1 Kathryn L. Ambrose: Conservatism versus sustainability	Gonzalo Garcia-Fernandez: Study of activation of air, water and soil in Compact Proton Therapy Centers (CPTC)	Benjamin Zorko: Modeling and measurement of airborne tritium	Federico A. Geser: Energy calibration of pulse-height spectra in plastic scintillators for clearance monitors using Monte Carlo simulations			
09:30-09:45	Helena Janžekovič: European nuclear arena after the Fukushima accident	Leticia Irazola (Virtual participant): Nuclei activation in protontherapy treatments	Héloïse Gervot: Adaptation of an analytical method for radium 226 in water to urine matrix	Raquel Idoeta (Virtual participant): Selection tool of in situ measurement techniques for radiological characterization in D&D processes			
09:45-10:00	Máté Solymosi: Monitoring system of the fuel-cassette-free state of the control rod sleeves at the Paks Npp	Domonkos Szegedi: Neutron dose around high energy linacs in Hungarian radiotherapy centers	Claudia Olaru: Monte Carlo simulations of the radioluminescence photons induced by alpha particles in air	Young Scientist Competition			
				YSC3 Dávid Hajdú: Reproduction of shielding concrete activation measurements by simulations			
10:00-10:15	Allan Wilson: Updating a radiation protection programme for a change in business use and fingerprint	Ana Beatriz S. Morais: Risk management in srs treatments	David Breitenmoser: Non-proportional scintillation response model for airborne gamma-ray spectrometry applications				
10:15-10:30	Omar Al-Somali: Radiation protection for well logging operations in Saudi Arabia						
10:30-11:15	Coffee break & Posters						
	Personal dosimetry I	Medical applications II	Radioactivity monitoring and emergency monitoring II	Hot Topics Optical Radiation			
Session Chair	Josef Sabol & Tamás Pázmándi	Jenia Vassileva & Carmel J. Caruana	Benjamin Zorko & Péter Zagvyai	Ljiljana Udovicic & Peter Jeschke			
11:15-11:30	David Endesfelder (Virtual participant): RENEb inter-laboratory comparison (2021): biological dosimetry based on dicentric chromosomes	Josep M. Martí-Climent (Virtual participant): Optimization of patient dose in brain [18F]-DOPA PET/CT	Young Scientist Competition	Volkher Onuseit (Virtual participant): Laser safety for high power and high intensity emerging laser applications. <i>This lecture is 20+5 minutes long.</i>			
			YSC4 Reinhard Wagner: Differences in the assessment of the number of victims of the Chernobyl nuclear disaster				
11:30-11:45	Bernard Landry: CADORmed a tool for internal dose assessment	Szilvia Gazdag-Hegyesi: The dose index of kilovoltage cone beam computed therapy for various imaging protocols	Mauro Magnoni: Optimisation of gamma spectrometry measurements in atmosphere during nuclear emergencies				
11:45-12:00	Maia Avtandilashvili: Modified human respiratory tract model to describe the retention of plutonium in scar tissues	Adam Galdi: kV-CBCT dose length product and effective dose estimation on Halcyon linear accelerator	Alexandru O. Pavelescu: Comparative re-analysis evaluation of the Fukushima accident atmospheric radioactive emissions	Rudolf Weber (Virtual participant): Generation of soft X-rays during laser materials processing with ultrashort laser pulses. <i>This lecture is 20+5 minutes long.</i>			
12:00-12:15	Young Scientist Competition	María Gracia-Ochoa: Design and development of a national patient dose registry	Norbert Kavasi: Comparison of radiometric and mass spectrometric 90Sr analysis in the context of the Fukushima nuclear accident				
	YSC5 Victor Merza: Is the ISO slab phantom appropriate for calibrations of the new ICRU 95 operational quantity personal dose?						
12:15-12:30	YSC6 Martin Seif: Estimation of plutonium concentration in skeleton from occupationally exposed individuals	Bela Karfi: Unique in-vivo non-invasive multimodality imaging based translational research laboratory established at medical imaging center of Semmelweis University	Caroline Simonucci: Drone mapping radioactivity in emergency situation	Ewan Eadie (Virtual participant): The efficacy and safety of disinfection with 222 nm ultraviolet-C. This lecture is 20+5 minutes long.			
12:30-12:45			János Petrányi: Assessing the radiation contamination of large areas using advanced technologies	Sven Connemann (Virtual participant): Occupational exposure to optical radiation. This lecture is 10+5 minutes long.			
12:45-13:00				Aspasia Petri: Public exposure to artificial optical radiation in the aesthetics and the entertainment sector in Greece. Risk management actions. <i>This lecture is 10+5 minutes long.</i>			
12:45-14:15	Lunch & Posters						
	Personal dosimetry II	Medical applications III	Regulation	IEEE and ICNIRP and Hot Topics EMF, I			
Session Chair	Hannes Stadtmann	Borislava Petrovic & Eduard Gershkevitch	Zsolt Stefánka	Dragan Poljak & Peter Jeschke			
14:15-14:30	Maia Avtandilashvili: Biokinetics of highly enriched uranium in a female nuclear worker	Young Scientist Competition	Tünde Katona: The Hungarian radiation protection regulatory system	Eric van Rongen (Virtual participant): The ICNIRP 2020 RF Guidelines - what is new?			
		YSC7 Claudia R. Codosero Navarro (Virtual participant): Three-dimensional dose calculation in CT/SPECT treatments with internal emitter LU-177 using Monte Carlo techniques					
14:30-14:45	Jozef Sabol: The protection against radiation vs. the protection against Covid-19: some useful parallels	YSC8 Whitney N. Coulor: Developing a radiation safety program in countries without legislation in radiation safety – a report on Caribbean countries	Eszter Retfalvi: Regulatory radiational protection oversight program for hungarian research reactors				
14:45-15:00	Lily Bossin: Transitioning to radiophotoluminescence (RPL) dosimetry for environmental and area monitoring: the Paul Scherrer Institute's experience	Lukas Jägerhofer: MEDAUSTRON – Radiation protection for an ion therapy center in Austria	Helena Janžekovič: Twenty years of inspection interventions in Slovenia	Akimasa Hirata (Virtual participant): Comparison of limits in ICNIRP guidelines and IEEE C95.1 standard			
15:00-15:15	Young Scientist Competition	Highlighted posters	Highlighted posters				
	YSC9 Guillaume Garnier: Experimental reconstruction of an accidental external exposure: how the dosimetric methods complement each other?	Juan D. Palma Copete: Establishment of radiation qualities for use in medical diagnostic according to the IEC 61267:2005 standard in the secondary standard dosimetry laboratory of the Centro Nacional de Dosimetría (7 min.)	Silke C. Wouters (Virtual participant): Dose rate calculations for a new radioactive waste interim storage facility at PSI (7 min.)				
15:15-15:30	Highlighted posters		Jos van den Eijnde: Avoiding multiple conservative assumptions: a case on a laboratory rule (7 min.)	Jolanta Karpowicz (Virtual participant): Numerical modeling of occupational hazards related to electromagnetic emission from surgical diathermy			
	Alberto Stabilini: Performance assessment and improvement of fluorescent nuclear track detectors as neutron dosimeters (7 min.)		Viktoria Grill: Determination of Cs-137 and Sr-90 in wood and wood ash purchased in Austria (7 min.)				
			Andrzej Wojcik: Education and training program of the project RadoNorm: towards effective radiation protection based on improved scientific evidence and social considerations – focus on radon and NORM (7 min.)				
				Ante Lojić Kapetanović: Machine learning-assisted antenna modelling for realistic assessment of human exposure reference levels at frequencies above 6 GHz			
15:45-16:15	Coffee break & Posters						
	Personal dosimetry III (medical)		Highlighted posters	Hot Topics EMF, II			
Session Chair	Filip Vanhavere & Richárd Elek		József Csurgai & Viktoria Grill	György Thuroczy & Peter Jeschke			
16:15-16:30	Meng-En Lian (Virtual participant): Occupational radiation dose and radiation protection to the eye lens of interventional professionals from departments of interventional radiology and interventional cardiology		Victor Merza: Measurements of backscatter factors of phantoms for the correct evaluation of uncertainty contributions in occupational dosimetry (7 min.)	Fabriziomaria Gobba (Virtual participant): Occupational exposure to EMF and health surveillance of exposed workers			
16:30-16:45	Guang Yee Wong (Virtual participant): Medical radiation exposure during Cone-Beam Computed Tomography (CBCT) guided pulmonary intervention		Klara Poiškruh: Gross alpha beta method and dose estimation (7 min.)				
16:45-17:00	Richard Milecz-Mityko: Preliminary study on individual radiation dose received by medical staff for dose constraint determination		Irina Avram: Radiological protection assessment using Monte Carlo simulation code (7 min.)	Anna Šušnjara: Assessment of absorbed power density in multilayer planar model of human tissue			
17:00-17:15	Young Scientist Competition			Julien Modolo & Alexandre Legros (Virtual participant): Potential contribution of the transcranial stimulation literature to EMF exposure standards			
	YSC10 Victor Garcia Balcaza: PymcGPU-IR Monte Carlo code for occupational dosimetry in interventional radiology			Jens Hauelsen (Virtual participant): Transcranial electric and magnetic stimulation			
17:15-17:30				Peter Jeschke: EMF-Risk assessment - supporting german SME with technical rules			
17:30-18:30	Posters						
				György Wersényi (Virtual participant): Evaluation of physiological effects of the electromagnetic field caused by fully electric and hybrid drives in the passenger compartment			
18:00-19:00	YG Career Guidance - Workshop		EUTERP meeting				

MELODI Workshop

Scientific Committee meeting
08:30-09:00

MELODI Workshop

MELODI Workshop

Startup Competition
14:30-15:30

W E D N E S D A Y

			Lehár			Mozart	Strauss	Bartók I
All day	Excursions		IAEA Workshop			MELODI Workshop		IRPA Executive Council Meeting
19:00-23:00	Gala Dinner Cruise							

THURSDAY

Room	Bartók II	Liszt	Lehár	Brahms	Mozart	Strauss	Bartók I	
		Refresher course VI.	Refresher course VII.	Refresher course VIII.				
08:00-08:50		Katalin Lumniczky: Challenges in radiation protection research and their radiobiological bases	Jenia Vasilleva: Patient dose assessment in diagnostic radiology: from modality specific to patient specific metrics	Dragan Poljak: Human exposure to electromagnetic fields	MELODI Workshop			
	NORM & Radon I	Other radiation protection	Education and training I	Radioecology				
Session Chair	Constantin Milu & Zsolt Homoki	Celso Osimani	Carmel J. Caruana	Ivana Vukanac				
09:00-09:15	Wolfgang Ringer: Radon mapping of a different kind: mapping activities and collaborations on radon of international organizations and associations	Giulia Castellani: The fitness to work at risk of ionizing radiation: criteria and assessment process in employees with an oncological disease	Clemens Walther: Augmented cooperation in education and training in nuclear and radiochemistry	Franz Josef Maringer: A review on 60 years radioecological research of the Danube River				
09:15-09:30	Sylvain Andresz: The application of the ALARA principle for radon at work: feedbacks from the European ALARA network	Filip Vanhavere: The importance of MEENAS in the European radiation protection research and innovation scene	Salome Kiparoidze: Effectiveness of online trainings on radiation protection in the context of the covid-19 pandemic	Sophie Beauquier: Interest of ecosystem services concept for environmental radiation protection				
09:30-09:45	Ruxandra Cristina Săpoi: Raising awareness through continuous radon measurements in indoor workplaces	Linda K. Janssen-Pinkse: Supporting the radiation protection professional in promoting radiation protection culture in the Netherlands	Jan-Willem Vahlbruch: Online radiation protection courses - lessons learned during the Corona crises	Benoit Charrasse: Does the use of reference organism in impact assessments provide an adequate protection of site-specific species in routine release? Clarification and reassurance				
09:45-10:00		Marianna Koutrouli: Comparison of the secondary cancer risk induced by prostate external beam radiotherapy for partially in-beam organs between two different regimes in different patient age groups	Jim Thurston: A remote radiation protection training initiative in the UK	Eduardo Gallego (Virtual participant): Methodologies to assess radiological impact of a nuclear fusion test facility				
10:00-10:15		Julie J. Burt (Virtual participant): Outputs of a horizon style exercise to advance the use of the adverse outcome pathway in radiation protection	Young Scientist Competition					
			YSC11 Charlotte Schütte: A teaching concept for school experiments on radioactivity using augmented reality methods					
10:15-10:30		Highlighted posters	Tom Clarijs: Radiation protection education and training: initiatives from the SCK CEN Academy					
		Seung Hun Shin: Respiratory protection strategies for the public in emergency response (7 min.)						
		Hassan Salah Ibrahim (Virtual participant): Assessment of pediatric radiation dose and cancer risk from pediatric enhanced ct abdomen examination (7 min.)						
10:30-11:15	Coffee break & Posters							
	NORM & Radon II	Radiobiology I	Education and training II	5G Communication Systems, I				
Session Chair	Rainer Gellermann & Tímea Hülber	Sisko Salomaa & Géza Sáfrány	Tom Clarijs & Csilla Pesznyak	György Thuróczy & Mats-Olof Mattsson				
11:15-11:30	Zsolt Homoki: Indoor gamma radiation and radon risk assessment in Hungarian dwellings	Vadim Chumak: Dose reconstruction for epidemiological studies among Chernobyl cleanup workers: review of accomplishments and outlook	Carmel J. Caruana: Increasing the number of students in radiation protection and medical physics - finding a formula that works	Akimasa Hirata (Virtual participant): EMF dosimetry and assessment above 6 GHz	MELODI Workshop			
11:30-11:45	Annette Röttger: Exploitation of results: Radon metrology for the use in climate change observation and radiation protection	Dominique Laurier: Effects of radiation exposure on offspring and next generations: current issues and potential impact for radiological protection	Hielke-Freerk Boersma: Developing (education and training in) radiation protection in suriname and beyond – the role of the Dutch Society for Radiation Protection					
11:45-12:00	Rocco Marchese (Virtual participant): Simple one-parameter function to retrieve the correct exposure value from CR-39 radon detectors in high saturation regime. Checks on two kinds of analysis systems	Sisko I. Salomaa: Effects of radiation exposure on offspring and next generations: genetic and epigenetic effects	Claire-Louise Chapple: UK Experience of Professional Registration in Radiation Protection	Dragan Poljak: Assessment methods for radiation of 5G systems				
12:00-12:15	Eric Petermann: On the effectiveness of radon priority areas - a critical evaluation	Christelle Adam-Guillermin: Effects of radiation exposure on offspring and next generations: heritable effects in non-human species	Stéphane Pepin: Information on cosmic radiation received by Belgian aircrew: a survey					
12:15-12:30	Highlighted posters	Stéphane Grison: Multigenerational effects of co-exposure to chronic low-dose in utero exposure to internalized Cs-137 and post-natal high-fat diet in mice: study plan and collaboration opportunities	Highlighted posters	Wout Joseph: Challenges of 5G NR exposure assessment				
		Konstantin Kovler: A difficult way towards a rational and harmonized international regulation of indoor radon (7 min.)	Isabel Paiva: MPSR: A unique Master's Course on "Radiation Protection and Safety" in Portugal. Lessons learnt and recommendations for the future (7 min.)					
12:30-12:45		Richard Wakeford: Effects of radiation exposure on offspring and next generations: effects consequent to intrauterine exposure to ionising radiation						
12:45-14:15	Lunch & Posters							
	NORM & Radon III	Radiobiology II	Perspectives from ethics, social sciences and humanities	5G Communication Systems, II				
Session Chair	Wolfgang Ringer	Dmitry Klokov & Katalin Lumniczky	Gaston Meskens & Renate Czarwinski	Myrtil Simko & Dragan Poljak				
14:15-14:30	Thomas Makumbi: Assessment of uncertainties affecting dosimetric calculations for intake of radon and NORM	Dmitry Klokov: Low dose research projects database: a new tool to facilitate global collaboration and effective funding decisions	Anja J. Dijkman (Virtual participant): Learning from daily work processes promotes safe working	Mats-Olof Mattsson: 5G NR and human health: current knowledge and important knowledge gaps	MELODI Workshop			
14:30-14:45	Hélène Caplin: Occupational exposure in industries involving NORM: special case of the inadvertent ingestion	Vinita Chauhan (Virtual participant): The adverse outcome pathway approach in radiation protection and efforts towards global co-ordination	Peter Bryant: Communicating radiation risk: the role of public engagement in reaching ALARA					
14:45-15:00	Rainer Gellermann: Classification of NORM as a basis for dose estimation	Tetsuhiro Kinugawa: Analysis of radiation effects on cancer using a mathematical model	Marie Claire Cantone: Ethics in radiological protection in medicine - ICRP TG 109	Szilvia Nagy (Virtual participant): Investigation of exposure to electromagnetic waves by using unmanned aerial vehicles				
15:00-15:15	Rainer Gellermann: Experience with NORM-waste disposal in different European countries		Catrinel Turcanu: Transdisciplinarity in radiation protection research and practice? Way forward and practical considerations	Krzysztof Gryz: Comparison of exposure to radiofrequency electromagnetic field emitted by RTV and mobile communication transmitters in urban environment				
15:15-15:30	Highlighted posters			Mattia Vaccarone (Virtual participant): A methodology to assess the EMF exposure Of 5G signals				
	Rainer Gellermann: The European NORM association (ENA) - promoting radiation protection in the field of NORM in Europe (7 min.)							
	Coretchi Liuba (Virtual participant): Radon survey and exposure assessment in Republic of Moldova (7 min.)							
15:30-15:45								
15:45-16:15	Coffee break & Posters							
	Radioactive waste management and geological disposal	Radiobiology III	Perspectives from ethics, social sciences and humanities	Health Effects of Lighting				
Session Chair	Isabel Pavia & Behrooz Bazargar-Sabet	Géza Sáfrány	Gaston Meskens	Marina Khazova & Peter Jeschke				
16:15-16:30	Young Scientist Competition	Takahiro Wada: Radiation and lifespan: revisiting the concept of radiation-induced aging	Ethics Round Table: ethics and social sciences and humanities for radiological protection: an approach that concerns us all	John O'Hagan (Virtual participant): Health effects of lighting	MELODI Workshop			
	YSC12 Davide Bozzato: Operational radiation protection challenges for the LHC experiments							
16:30-16:45	YSC13 Vanda Papp: Investigation of the structure of binders related to the final disposal of radioactive waste	Masanori Tomita (Virtual participant): Significance of stem cell competition in the dose rate effects						
16:45-17:00	Carlo Bergamaschi: Remediation of a concrete underground artifact containing radiferous preparations of Ra-226 and disposal of the radioactive or contaminated material until complete restoration of the area	Sandrine Pereira (Virtual participant): Predicting toxicity after head and neck cancer radiotherapy: synergistic role of biological markers and dosimetry?				Mariëlle P.J. Aarts (Virtual participant): Importance of indoor lighting for well-being, physical and mental health		
17:00-17:15	Eszter M. Kovács: Preparation of a sorbent suitable for sorption of anionic and cationic radioactive contaminants	Géraldine Landon: Liposomal formulations of new decorporation molecules for the treatment of internal strontium/cobalt contaminations						
17:15-17:30	Isabel Paiva: Introduction to the application of COMSOL Multiphysics to radionuclide transport calculations of migrating species from a repository for low-level radioactive waste	Highlighted posters				Plenary Discussion		
		Nadia Boroumand: Cancer-related changes in cells exposed to alpha radiation in combination with nicotine (7 min.)						
		Zuzanna Pawlowska: Progress of TraceRadon – Empir 19ENV01 project (7 min.)						
17:30-17:45	Malgorzata U. Sliz: Newly built clearance facility at the Paul Scherrer Institute, Switzerland							
17:45-18:00	Angelo Infantino: Radiation protection challenges in the upgrade, autopsy and disposal of the LHC beam dump							
18:00-18:10	Highlighted posters							
	Jean-Michel Horodyski: SimB-AD project: methodology to assess beta-only radionuclides activation into cyclotron materials (7 min.)							
18:00-19:00	Posters							

FRIDAY

Room	Pátria			Brahms		Mozart	Strauss	Bartók I
	Refresher course IX.			PEROSH workshop "Electronic Article Surveillance"				
Session Chair				Klaus Schiessl & Peter Jeschke				
08:00-08:50	Carmel J. Caruana: Strategic planning for attracting young people to radiation protection and medical physics university programmes			8:15-8:45: EAS: overview, exposure and electromagnetic hazards				
	Highlighted presentations II			8:45-9:15: Challenges in application				
Session Chair	Franz Josef Maringer & Tamás Pázmándi							
09:15-09:30	Dominique Laurier: Effects of IR on diseases of the circulatory system and their consideration in the system of radiological protection							
09:30-09:45	Dóra Buzetzký: Application of cation-exchanged bentonites in nuclear waste treatment			9:15-9:30: Reasonably foreseeable use of EAS and product safety				
09:45-10:00	Oliver Hupe (Virtual participant): The novel European Metrology Network (EMN) for radiation protection			9:30-10:00: Short reports on national (or personal) experiences with EAS				
10:00-10:15	Stéphane Pepin: The issue of Cs-137 in firewood and biomass combustion: a review							
	Sponsored presentation			10:00-10:20: Discussion				
10:15-10:30	Imdetek: Recent progress of CdZnTe based room temperature detectors in industrial applications			10:20-10:30: Wrap up				
10:30-11:00	Coffee break & Posters							
Session Chair	Renate Czarwinski & Hannes Stadtmann							
	Sponsored presentation							
11:00-11:15	József Krausz: Development of an automatic calculation system of public exposure to RF in Hungary							
	Highlighted presentations III							
11:15-11:30	Ulf Stolzenberg (Virtual participant): Radiation protection at ultrashort-pulsed lasers in materials processing							
11:30-11:45	Thierry Schneider: Reasonableness and tolerability in the system of radiological protection: ICRP on-going reflection							
11:45-12:00	Angelo Infantino: Radiation protection challenges in the Large Hadron Collider upgrade							
12:00-12:15	Competitions awards ceremony							
12:15-12:45	Closing ceremony							
12:45-14:45	Lunch							