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
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 IRPA							
	Csilla Pesznyák Co-Chair & Tamás Pázmándi Co-Chair							
	Franz Josef Maringer, Austrian Radiation Protection Society							
	Young Generation Network							
	International Atomic Energy Agency							
	Werner Rühm, Chair of International Commission on Radiological Protection							
	Csilla Pesznyák, European Nuclear Education Network							
	European Federation of Organisations For Medical Physics							
	Filip Vanhavere, European Radiation Dosimetry Group							
	Kádár Andrea Beatrix, President of HAEA							
	Other							
	Plenary talks							
	Katona Tünde & Csilla Pesznyák							
15:00-15:30	**Jenia Vassileva and Burcin Okyar (IAEA):** 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	**Coffee break**							
	Highlighted presentations I.			Combined Session NIR				
Session chair	Franz Josef Maringer & Pázmándi Tamás			Sigurdur Magnusson & Peter Jeschke				
16:30-16:45	**Harald Breitkreutz**: 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				
16:45-17:00	**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				
17:00-17:15	**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				
17:15-17:30	**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				
17:30-17:45	**Filip Vanhavere**: Personal on-line dosimetry using computational methods: the PODIUM project			Plenary Discussion				
17:45-18:00	**Joanne Stewart**: Working together on E&T in radiation protection			Plenary Discussion				
18:00-20:00	**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 Gershkevitsh:** Learning from incidents in radiotherapy: retrospective and prospective risk analysis	**Péter Zagyvai**: 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** **YSC1 Kathryn L. Ambrose:** Conservatism versus sustainability	**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 doserate: the SAFECAST project	MELODI Workshop		Scientific Committee meeting 08:30-09:00
09:15-09:30	**YSC2 Georgian V. Tobosaru:** Implementation of the novel source term monitoring factors at CANDU plant for outage radiation field reduction	**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	**André Gomes Lamas Otero**: A deep learning model for gamma spectroscopy analysis			
09:30-09:45	**Helena Janžekovič**: European nuclear arena after the Fukushima accident	**Leticia Irazola (Virtual participant)**: Nuclei activation in protontherapy tretaments	**Héloïse Gervot**: Adaptation of an analytical method for radium 226 in water to urine matrix	**Federico A. Geser**: Energy calibration of pulse-height spectra in plastic scintillators for clearance monitors using Mont Carlo simulations			
09:45-10:00	**Máté Solymosi**: Monitoring system of the fuel-casette-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	**Raquel Idoeta (Virtual participant)**: Selection tool of in situ measurement techniques for radiological characterization in D&D processes			
10:00-10:15	**Allan Wilson**: Updating a radiation protection programme for a change in business use and fingeprint		**David Breitenmoser**: Non-proportional scintillation response model for airborne gamma-ray spectrometry applications	**Young Scientist Competition** **YSC3 Dávid Hajdú:** Reproduction of shielding concrete activation measurements by simulations			
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 Zagyvai	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** **YSC4 Reinhard Wagner:** Differences in the assessment of the number of victims of the Chernobyl nuclear disaster	**Volkher Onuseit (Virtual participant)**: Laser safety for high power and high intensity emerging laser applications. *This lecture is 20+5 minutes long.*	MELODI Workshop		
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. *This lecture is 20+5 minutes long.*			
12:00-12:15	**Young Scientist Competition** **YSC5 Victor Merza:** Is the ISO slab phantom appropriate for calibrations of the new ICRU 95 operational quantity personal dose?	**Maria 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				
12:15-12:30	**YSC6 Martin Sefl:** Estimation of plutonium concentration in skeleton from occupationally exposed individuals	**Bela Kari**: 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	**Evgenia Tolstykh**: Personal dose estimation based on cytogenetic FISH data after internal exposure, model approach		**János Petrányi**: Assessing the radiation contamination of large areas using advanced technologies	**Sven Connemannm (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. *This lecture is 10+5 minutes long.*			
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 Gershkevitsh	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** **YSC7 Claudia R. Codosero Navarro (Virtual participant):** Three-dimensional dose calculation in CT/SPECT treatments with internal emitter LU-177 using Monte Carlo techniques	**Tünde Katona**: The Hungarian radiation protection regulatory system	**Eric van Rongen (Virtual participant)**: The ICNIRP 2020 RF Guidelines - what is new?			
14:30-14:45	**Jozef Sabol**: The protection against radiation vs. the protection against Covid-19: some useful paralles	**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 protectional oversight program for hungarian research reactors				
14:45-15:00	**Young Scientist Competition** **YSC9 Guillaume Garnier:** Experimental reconstruction of an accidental external exposure: how the dosimetric methods complement each other?	**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	**Lily Bossin**: Transitioning to radiophotoluminescence (RPL) dosimetry for environmental and area monitoring: the Paul Scherrer Institute's experience	**Highlighted posters** **Nina Tuncel**: Dosimetric comparison of tomotherapy and three dimensional conformal radiotherapy plannings for graves oftalmopathy **Víctor González González**: Uncertainties in the fractionation and optimization of radioembolization with SIR-Spheres	**Highlighted posters** **Silke C. Wouters**: Dose rate calculations for a new radioactive waste interim storage facility at PSI **Jos van den Eijnde**: Avoiding multiple conservative assumptions: a case on a laboratory rule		MELODI Workshop		Startup Competition 14:30-15:30
15:15-15:30	**Pavel A. Sharagin**: Approach to dosimetric modeling of fetus exposed to Sr isotopes	**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 Dosimetrí **(7 min.)**	**Viktoria Grill**: Determination of Cs-137 and Sr-90 in wood and wood ash purchased in Austria **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	**Jolanta Karpowicz (Virtual participant)**: Numerical modeling of occupational hazards related to electromagnetic emission from surgical diathermy			
15:30-15:45	**Highlighted posters** **Alberto Stabilini**: Performance assessment and improvement of fluorescent nuclear track detectors as neutron dosimeters **(7 min.)**			**Ante Lojić Kapetanović (Virtual participant)**: 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		Csurgai József & 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 **Gal Amit**: Automatic classification of TLD glow curve anomalies using machine learning tools	**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	**Anna Šušnjara (Virtual participant)**: Assessment of absorbed power density in multilayer planar model of human tissue			
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	**Julien Modolo & Alexandre Legros (Virtual participant)**: Potential contribution of the transcranial stimulation literature to EMF exposure standards			
17:00-17:15	**Young Scientist Competition** **YSC10 Victor Garcia Balcaza**: PyMCGPU-IR Monte Carlo code for occupational dosimetry in interventional radiology			**Jens Haueisen (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**			**Miklós Kuczmann:** 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				

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
09:30-13:00	**Visiting the Hospital in the Rock Nuclear Bunker Museum and the Buda Castle district**							
19:00-23:00	**Gala Dinner Cruise**							

THURSDAY

Room	Bartók II	Liszt	Lehár	Brahms	Mozart	Strauss	Bartók I
	Refresher course V.	**Refresher course VI.**	**Refresher course VII.**	**Refresher course VIII.**			
08:00-08:50	**Noémi Nagy**: Radiation in analysis and structural studies	**Katalin Lumniczky:** Challenges in radiation protection research and their radiobiological bases	**Jenia Vasilleva** (IAEA): Patient dose assessment in diagnostic radiology: from modality specific to patient specific metrics	**Dragan Poljak**: Human exposure to electromagnetic fields			
	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. Burtt (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** **Seung Hun Shin**: Respiratory protection strategies for the public in emergency response **Hassan Salah Ibrahim**: Assessment of pediatric radiation dose and cancer risk from pediatric enhanced ct abdomen examination	**Tom Clarijs**: Radiation protection education and training: initiatives from the SCK CEN Academy				
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 Thuroczy & Mats-Olof Mattson			
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			
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 exposition value from cr-39 radon detectors, also valid in high saturation regime. Validation of the method with two different radon measuring systems and in BFS intercomparison	**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	**Hallvard Haanes**: Outdoor measurements of thoron progeny in a 232Th-rich area with deposition-based alpha track detectors and corrections for wind bias	**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** **Isabel Paiva**: MPSR: A unique Master's Course on “Radiation Protection and Safety” in Portugal. Lessons learnt and recommendations for the future	**Wout Joseph**: Challenges of 5G NR exposure assessment			
12:30-12:45							
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 & Lumniczky Katalin	Gaston Meskens & Renate Czarwinski	Myrtill Simko & Dragan Poljak			
14:15-14:30	**Thomas Makumbi**: Assessment of uncertainties affecting dosimteric 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**: Learning from daily work processes promotes safe working	**Mats-Olof Mattsson**: 5G NR and human health: current knowledge and important knowledge gaps			
14:30-14:45	**Hélène Caplin**: Occupational exposure in industries involving NORM: special case of the inadvertant 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:** 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	**Young Scientist Competition** **YSC12 Anna Andreevna Rastorgueva**: Application of cellular technologies in the treatment of local radiation injuries		**Krzysztof Gryz**: Comparison of exposure to radiofrequency electromagnetic field emitted by RTV and mobile communication transmitters in urban environment			
15:15-15:30	**Iuliia Gushchina**: Radiation monitoring in the areas of uranium legacy sites and facilities of the Central Asian countries during the environmental remediation	**YSC13 Mariia Alexandrovna Ianishavskaia:** Association of single nucleotide polymorphisms of apoptosis and cell cycle control genes with the risk of malignant neoplasm development in chronically exposed persons		**Mattia Vaccarono (Virtual participant)**: A methodology to assess the EMF exposure Of 5G signals			
15:30-15:45	**Highlighted posters** **Rainer Gellermann**: The European NORM association (ENA) - promoting radiation protection in the field of NORM in Europe **Coretchi Liuba**: Radon survey and exposure assessment in Republic of Moldova						
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** **YSC14 Davide Bozzato:** Operational Radiation Protection Challenges For The LHC Experiments	**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			
16:30-16:45	**YSC15 Vanda Papp:** Investigation of the structure of binders related to the final disposal of radioactive waste	**Masanori Tomita**: 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**: 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** **Stanislav S. Silkin**: Cancer risk in the cohort of exposed poputation of the East Urals radioactive trace **Elena Shishkina**: Extensive measurements of Sr-90 body-burden as a basis of retrospective internal dosimetry for population of the Urals region		Plenary Discussion			
17:30-17:45	**Malgorzata U. Sliz**: Newly built clearance facility at the Paul Scherrer Institute, Switzerland	**Nadia Boroumand**: Cancer-related changes in cells exposed to alpha radiation in combination with nicotine **Zuzanna Pawłowska:** Progress of TraceRadon – Empir 19ENV01 project					
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 Horodynski**: SimB-AD project: methodology to assess beta-only radionuclides activation into cyclotron materials						
18:00-19:00	**Posters**						

MELODI Workshop

MELODI Workshop

MELODI Workshop

MELODI Workshop

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:** Technical issues				
	Plenary			**8.45-9.15**: Challenges in application				
Session Chair	Franz Josef Maringer							
09:00-09:30	**Bernard LeGuen**: Enhancing radiation safety culture in health care : a joint IRPA WHO IOMP IAEA initiative							
	Highlighted presentations II			**9.15-9.30:** Reasonably foreseeable use of EAS and product safety				
Session Chair	Pázmándi Tamás & Csilla Pesznyák							
09:30-09:45	**Dóra Buzetzky**: Application of cation-exchanged bentonites in nuclear waste treatment							
09:45-10:00	**Oliver Hupe (Virtual participant)**: The novel European Metrology Network (EMN) for radiation protection			**9.30-9.45:** Continuous effort to support safe and healthy EAS-workplaces in Europe				
10:00-10:15	**Stéphane Pepin**: The issue of Cs-137 in firewood and biomass combustion: a review			Discussion				
	Sponsored presentation							
10:15-10:30	Imdetek			Discussion				
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**							