# MONDAY

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|---|---|---|---|---|---|---|
| **9:00** | **Registration** | | | | | |
| **9:00-12:00** | **Associate Societies Forum** | | | | | |
| **13:00-14:00** | **Lunch** | | | | | |
| **Room** | **Patria** | **Brahms** | **Kodaly** | **Mozart** | **Strauss** | **Bartók I** |
| | **Opening ceremony** | | | | | |
| | **János Petrányi - Chair of the Congress** | | | | | |
| | **IRPA Leadership** | | | | | |
| | **Csilla Pesznyák Co-Chair & Tamás Pázmándi Co-Chair** | | | | | |
| | **Austrian Radiation Protection Society** | | | | | |
| | **Young Generation** | | | | | |
| **14:00-15:00** | **IAEA** | | | | | |
| | **ICRP** | | | | | |
| | **ENEN** | | | | | |
| | **EFOMP** | | | | | |
| | **EURADOS** | | | | | |
| | **HAEA** | | | | | |
| | **Other** | | | | | |
| | **Plenary talks** | | | | | |
| **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** | | | | |
| **16:30-16:45** | **Oliver Hupe** (231): The novel European Metrology Network (EMN) for Radiation Protection | **Emilie van Deventer** (346): A Framework for Non-Ionizing Radiation Protection | | | | |
| **16:45-17:00** | **Nathalie Vanhoudt** (142): Influence of earthworms on the bioavailability of radium and metals in soil | **Eric van Rongen** (349): The ICNIRP 2020-2024 work plan | | | | |
| **17:00-17:15** | **Gonzalo Garcia-Fernandez** (281): Impact of New Delivery Methods on the Operational Radiation Protection of Compact Proton Therapy Centers (CPTC) | **Julien Modolo** (120): Communication with the public of EMF health effects: creation of a non-ionizing radiation task group at IRPA | | | | |
| **17:15-17:30** | **Ulrike M. Kulka** (363): RadoNorm - Towards Effective Radiation Protection Based On Improved Scientific Evidence And Social Considerations - Focus on Radon and Normial Considerations - Focus on Radon and Norm | **Nigel A. Cridland** (287): Limits of scientific insight when updating ICNIRP guidelines | | | | |
| **17:30-17:45** | **Filip Vanhavere** (303): Personal On-line Dosimetry using Computational Methods: the PODIUM project | Plenary Discussion | | | | |
| **17:45-18:00** | **Joanne Stewart** (240): Working together on E&T in Radiation Protection | Plenary Discussion | | | | |
| **18:00-20:00** | **Welcome reception** | | | | | |

# TUESDAY

| **Room** | **Bartók II** | **Liszt** | **Lehár** | **Brahms** | **Kodaly** | **Mozart** | **Strauss** | **Bartók I** |
|---|---|---|---|---|---|---|---|---|
| | **Refresher course I.** | **Refresher course II.** | **Refresher course III.** | **Refresher course IV.** | | | | |
| **08:00-08:50** | | **Medical I. Eduard Gershkevitsh:** Learning from incidents in radiotherapy: retrospective and prospective risk analysis | **Péter Zagyvai**: New challenges in radiation protection | **Education I: 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** | | | | |
| **09:00-09:15** | **Young Scientist Competition**<br>**YSC1 Kathryn L. Ambrose (135):** Conservatism Versus Sustainability | **Clémence Baudin** (307): Dysfunction of the salivary and lacrimal glands after radioiodine treatment: preliminary results of a self-controlled study in France | **Marcus P. Grzechnik** (322): Monitoring of radiation in Australia – Painting a national picture | **Petr Kuča** (148): Citizen Monitoring of ambient doserate: the SAFECAST project | | | | |
| **09:15-09:30** | **YSC2 Georgian V. Tobosaru (151):** Implementation of the novel source term monitoring factors at CANDU plant for outage radiation field reduction | **Gonzalo Garcia-Fernandez** (222): Study of Activation of Air, Water And Soil in Compact Proton Therapy Centers (CPTC) | **Bharath Bharath** (351): Carbon-14 specific activity in atmospheric air in the vicinity of a PHWR nuclear power plant in India | **André Gomes Lamas Otero** (357): A Deep Learning Model for Gamma Spectroscopy Analysis | **IRPA Workshop** | | **MELODI Workshop** | |
| **09:30-09:45** | **Helena Jeričkovič** (244): European nuclear arena after the Fukushima accident | **Leticia Irazola** (208): Nuclei activation in protontherapy tretaments | **Benjamin Zorko** (194): Modeling and measurement of airborne tritium | **Federico A. Geser** (119): Energy calibration of pulse-height spectra in plastic scintillators for clearance monitors using Mont Carlo simulations | | | | |
| **09:45-10:00** | **Máté Solymosi** (236): Monitoring System of the Fuel-Casette-Free State of the Control Rod Sleeves at the Paks Npp | **Domonkos Szegedi** (336): Neutron dose around high energy linacs in Hungarian radiotherapy centers | **Héloïse Gervot** (121): Adaptation of an analytical method for radium 226 in water to urine matrix | **Angelo Infantino** (273): Radiation Protection challenges in the upgrade, autopsy and disposal of the LHC beam dump | | | | |
| **10:00-10:15** | **Allan Wilson** (300): Updating a Radiation Protection Programme for a Change in Business Use and Fingeprint | **Catarina Souto** (278): Risk management in srs treatments | **Claudia Olaru** (132): Monte Carlo simulations of the radioluminescence photons induced by alpha particles in air | **Raquel Idoeta** (271): Selection tool of in situ measurement techniques for radiological characterization in D&D processes | | | | |
| **10:15-10:30** | **Omar Al-Somali** (283): Radiation Protection for Well Logging operations in Saudi Arabia | **Mikhail Osipov** (158): Ozyorsk Computed Tomography Cohort Study – a Roadmap for Evaluation of the Potential Cancer Effects of Diagnostic Exposure in a Population Living near the Nuclear Enterprise | **David Breitenmoser** (143): Non-Proportional Scintillation Response Model for Airborne Gamma-Ray Spectrometry Applications | **Young Scientist Competition**<br>**YSC3 Dávid Hajdú (105):** Reproduction of Shielding Concrete Activation Measurements by Simulations | | | | |

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| **10:30-11:15** | **Coffee break & Posters** | | | | **Coffee break** | |
| | **Personal dosimetry I** | **Medical applications II** | **Radioactivity monitoring and emergency monitoring II** | **Hot Topics Optical Radiation** | | |
| **11:15-11:30** | **David Endesfelder** (227): RENEB inter-laboratory comparison (2021): Biological dosimetry based on dicentric chromosomes | **Josep M. Martí-Climent** (220): Optimization of patient dose in brain [18F]-DOPA PET/CT | **Young Scientist Competition**<br>**YSC4 Reinhard Wagner (167):** Differences in the ssessment of the number of victims of the Chernobyl Nuclear Disaster | **Volkher Onuseit** (358): Laser safety for high power and high intensity emerging laser applications. *This lecture is 20+5 minutes long.* | | |
| **11:30-11:45** | **Evgenia Tolstykh** (147): Personal dose estimation based on cytogenetic FISH data after internal exposure, model approach | **Szilvia Gazdag-Hegyesi** (347): The Dose Index of Kilovoltage Cone Beam Computed Therapy for Various Imaging Protocols | **Mauro Magnoni** (241): Optimisation of gamma spectrometry measurements in atmosphere during nuclear emergencies | | | |
| **11:45-12:00** | **Bernard Landry** (290): CADORmed A Tool for Internal Dose Assessment | **Adam Galdi** (353): kV-CBCT dose length product and effective dose estimation on Halcyon linear accelerator | **Alexandru O. Pavelescu** (261): Comparative Re-Analysis Evaluation of The Fukushima Accident Atmospheric Radioactive Emissions | **Rudolf Weber** (360): Generation of soft X-rays during laser materials processing with ultrashort laser pulses. *This lecture is 20+5 minutes long.* | **IRPA Workshop** | **MELODI Workshop** |
| **12:00-12:15** | **Deepesh Poudel** (276): Modified Human Respiratory Tract Model to Describe the Retention of Plutonium in Scar Tissues | **Siarhei A. Kharuzhyk** (175): PET/CT radiation doses in patients with lymphoma | **Norbert Kavasi** (342): Comparison of Radiometric and Mass Spectrometric 90Sr Analysis in the Context of the Fukushima Nuclear Accident | | | |
| **12:15-12:30** | **Young Scientist Competition**<br>**YSC5 Victor Merza (139):** Is the ISO slab phantom appropriate for calibrations of the new ICRU 95 operational quantity Personal Dose? | **Maria Gracia-Ochoa** (228): Design and development of a national patient dose registry | **Fabien Michel Panza** (319): Drone Mapping Radioactivity in Emergency Situation | **Ewan Eadie** (176): The efficacy and safety of disinfection with 222 nm ultraviolet-C. *This lecture is 20+5 minutes long.* | | |
| **12:30-12:45** | **YSC6 Martin Sefl (81):** Estimation of Plutonium Concentration in Skeleton from Occupationally Exposed Individuals | **Bela Kari** (136): Unique In-Vivo Non-Invasive Multimodality Imaging Based Translational Research Laboratory Established at Medical Imaging Center of Semmelweis University | **János Petrányi** (286): Assessing the Radiation Contamination of Large Areas Using Advanced Technologies | **Sven Connemann** (106): Occupational Exposure to Optical Radiation. *This lecture is 10+5 minutes long.* | | |
| **12:45-13.00** | | | | **Aspasia Petri** (196): 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** | | | | **Lunch** | |
| | **Personal dosimetry II** | **Medical applications III** | **Regulation I** | **IEEE and ICNIRP and Hot Topics EMF, I** | | |
| **14:15-14:30** | **Deepesh Poudel** (276): Modified Human Respiratory Tract Model to Describe the Retention of Plutonium in Scar Tissues | **Young Scientist Competition**<br>**YSC7 Claudia R. Codosero Navarro (141):** Three-dimensional dose calculation in CT/SPECT treatments with internal emitter LU-177 using Monte Carlo techniques | **Paul Ashley Butler** (204): Delicensing of nuclear licensed sites from the regulatory perspective | **Eric van Rongen** (348): The ICNIRP 2020 RF Guidelines - what is new? | | |
| **14:30-14:45** | **Maia Avtandilashvili** (107): Biokinetics of highly enriched uranium in a female nuclear worker | **YSC8 Whitney N. Coulor (163):** Developing a radiation safety program in countries without legislation in radiation safety – a report on Caribbean countries | **Sandro Sandri** (116): The licensing application for large radiologic installations in Italy after last EU Directive implementation | | | |
| **14:45-15:00** | **Pavel A. Sharagin** (63): Approach to dosimetric modeling of fetus exposed to Sr isotopes | **Highlighted posters**<br>**Marina V. Filimonova** (354): Medical application of radioprotectors: a promising concept for the prevention of radiation pathologies<br>**Nina Tuncel** (268): Dosimetric Comparison of Tomotherapy and Three Dimensional Conformal Radiotherapy Plannings for Graves Oftalmopathy | **Tünde Katona** (168): The Hungarian Radiation Protection Regulatory System | **Akimasa Hirata** (344): Comparison of Limits in ICNIRP Guidelines and IEEE C95.1 Standard | | |
| **15:00-15:15** | **Young Scientist Competition**<br>**YSC9 Guillaume Garnier (102):** Experimental reconstruction of an accidental external exposure: how the dosimetric methods complement each other? | **Abdelmoneim Sulieman** (339): Assessment of the effective radiation dose and cancer induction probability in urographic imaging procedures<br>**Aída López Romero** (243): Uncertainties in the fractionation and optimization of radioembolization with SIR-Spheres | **Eszter Retfalvi** (317): Regulatory radiational protectional oversight program for hungarian research reactors | | **IRPA Workshop** | **MELODI Workshop** |
| **15:15-15:30** | **Lily Bossin** (150): Transitioning to radiophotoluminescence (RPL) dosimetry for environmental and area monitoring: the Paul Scherrer Institute's experience | **Juan D. Palma Copete** (189): 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<br>**Clement Devic** (333): Evaluation of the IVIscan detector for regulatory dosimetric quality control including wide radiation beam for computed tomography | **Amjad Khursheed** (237): Impact of rainfall on radiological consequences from design basis accidents at UK nuclear sites | **Jolanta Karpowicz** (280): Numerical modeling of occupational hazards related to electromagnetic emission from surgical diathermy | | |
| **15:30-15:45** | **Highlighted posters**<br>**Alberto Stabilini** (129): Performance assessment and improvement of fluorescent nuclear track detectors as neutron dosimeters<br>**Victor Garcia Balcaza** (122): PyMCGPU-IR Monte Carlo code for occupational dosimetry in interventional radiology | | **Helena Janžeković** (221): Twenty years of inspection interventions in Slovenia | **Ante Lojić Kapetanović** (210): 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** | | | | **Coffee break** | |
| | **Personal dosimetry III (medical)** | | **Highlighted posters** | **Hot Topics EMF, II** | | |
| **16:15-16:30** | **Meng-En Lian** (157): Occupational radiation dose and radiation protection to the eye lens of interventional professionals from departments of interventional radiology and interventional cardiology | | **Silke C. Wouters** (103): Dose rate calculations for a new radioactive waste interim storage facility at PSI<br>**Jos van den Eijnde** (156): Avoiding multiple conservative assumptions: a case on a laboratory rule | **Fabriziomaria Gobba** (206): Occupational Exposure to EMF and Health Surveillance of exposed workers | | |
| **16:30-16:45** | **Guang Yee Wong** (180): Medical Radiation Exposure during Cone-Beam Computed Tomography (CBCT) Guided Pulmonary Intervention | | **Zhanat Baigazinov** (191): Assessment of possibility of farm animal breeding on the STS<br>**Viktoria Grill** (131): Determination of Cs-137 and Sr-90 in wood and wood ash purchased in Austria | **Anna Šušnjara** (192): Assessment of Absorbed Power Density in Multilayer Planar Model of Human Tissue | | |
| **16:45-17:00** | **Richard Milecz-Mityko** (364): Preliminary study on individual radiation dose received by medical staff for dose constraint determination | | **Mirjana M. Đurašević** (315): Importance of the exposed workers education in the system of radiation protection: the experience of the Center for Permanent Education, "Vinca" Institute of nuclear sciences Serbia | **Julien Modolo** (39): Potential contribution of the transcranial stimulation literature to EMF exposure standards | | |

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| | | | **Andrzej Wojcik** (301): 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 | | | | |
| **17:00-17:15** | **Young Scientist Competition** | | **Victor Merza** (140): Measurements of backscatter factors of phantomS for the correct evaluation of uncertainty contributions in occupational dosimetry | **Jens Haueisen** (172): Transcranial Electric and Magnetic Stimulation | | | |
| | **YSC10 Victor Garcia Balcaza** (122): PyMCGPU-IR Monte Carlo code for occupational dosimetry in interventional radiology | | **Gal Amit** (162): Automatic Classification of TLD Glow Curve Anomalies Using Machine Learning Tools | | | | |
| **17:15-17:30** | | | **Klara Poiškruh** (234): Gross alpha beta method and dose estimation | **Tobias B. Gilk** (153): Under Our Very Noses: How MRI Safety Got Away From Us | | | |
| | | | **Irina Avram** (253): Radiological protection assessment using Monte Carlo simulation code | | | | |
| **17:30-18:00** | **Posters** | | | **Peter Jeschke (165):** EMF-Risk Assessment - Supporting German SME with Technical Rules | | | |
| | | | | **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** | | | | | | |

# WEDNESDAY

| **Room** | | | **Lehár** | | **Kodaly** | **Mozart** | **Strauss** | **Bartók I** |
|---|---|---|---|---|---|---|---|---|
| **All day** | **Excursions** | | **IAEA Workshop** | | **IRPA Workshop** | **MELODI Workshop** | | |
| **Evening** | **Gala Dinner Cruise** | | | | | | | |

# THURSDAY

| **Room** | **Bartók** | **Liszt** | **Lehár** | **Brahms** | **Kodaly** | **Mozart** | **Strauss** | **Bartók I** |
|---|---|---|---|---|---|---|---|---|
| | **Refresher course V.** | **Refresher course VI.** | **Refresher course VII.** | **Refresher course VIII.** | | | | |
| **08:00-08:50** | | **Katalin Lumniczky:** Challenges in radiation protection research and their radiobiological bases | **Medical II. 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** | | | | |
| **09:00-09:15** | **Jelena Mrdakovic Popic** (305): Developing methodology for information collection for a systematic overview of NORM exposure sites | **Giuseppe Taino** (127): The fitness to work at risk of ionizing radiation: criteria and assessment process in employees with an oncological disease | **Clemens Walther** (335): Augmented cooperation in education and training in nuclear and radiochemistry | **Carina Elin Sophie Ohlin** (232): Deposit and Root Uptake of 238U,232Th, 226Ra and 228Ra in Berries and Their Foliage from Areas with Elevated Levels of Naturally Occuring Radioactivity | | | | |
| **09:15-09:30** | **Wolfgang Ringer** (321): Radon mapping of a different kind: Mapping activities and collaborations on radon of international organizations and associations | **Hildegarde Vandenhove** (297): The importance of MEENAS in the European radiation protection research and innovation scene | **Salome Kiparoidze** (269): Effectiveness of online trainings on radiation protection in the context of the covid-19 pandemic | **Runhild Gjelsvik** (285): Long-term studies of radiocaesium turnover in a mountain lake ecosystem in Norway | | | | |
| **09:30-09:45** | **Peter Bossew** (164): Radon abatement policy: from data to decisions | **Linda K. Janssen-Pinkse** (270): Supporting the radiation protection professional in promoting radiation protection culture in the Netherlands | **Jan-Willem Vahlbruch** (226): Online Radiation Protection Courses - Lessons learned during the Corona crises | **Franz Josef Maringer** (309): A review on 60 years radioecological research of the Danube River | **RHSP meeting** | **MELODI Workshop** | | **Startup Competition** |
| **09:45-10:00** | **Sylvain Andresz** (145): The application of the ALARA principle for radon at work: feedbacks from the European ALARA network | **Marianna Koutrouli** (257): 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 | **Sarah Hunak** (134): A Remote Radiation Protection Training Initiative in the UK | **Sophie Beauquier** (109): Interest of ecosystem services concept for environmental radiation protection | | | | |
| **10:00-10:15** | **Ruxandra Cristina Săpoi** (306): Raising awareness through continuous radon measurements in indoor workplaces | **Julie J. Burtt** (355): Outputs of a horizon style exercise to advance the use of the adverse outcome pathway in radiation protection | **Young Scientist Competition** | **Benoit Charrasse&** (82): Does the use of reference organism in impact assessments provide an adequate protection of site-specific species in routine release? Clarification and reassurance | | | | |
| | | | **YSC11 Charlotte Schütte** (114): A teaching concept for school experiments on radioactivity using augmented reality methods | | | | | |
| **10:15-10:30** | **Bård Olsen** (284): The effect of new building regulations for indoor radon in radon-prone municipalities | **Highlighted posters** | **Tom Clarijs** (217): Radiation protection education and training: initiatives from the SCK CEN Academy | **Eduardo Gallego** (282): Methodologies to assess radiological impact of a nuclear fusion test facility | | | | |
| | | **Seung Hun Shin** (323): Respiratory protection strategies for the public in emergency response | | | | | | |
| | | **Hassan Salah Ibrahim** (338): Assessment of pediatric radiation dose and cancer risk from pediatric enhanced ct abdomen examination | | | | | | |
| **10:30-11:15** | **Coffee break & Posters** | | | | **Coffee break** | | | |
| | **NORM & Radon II** | **Radiobiology I** | **Education and training II** | **5G Communication Systems, I** | | | | |
| **11:15-11:30** | **Zsolt Homoki** (201): Indoor gamma radiation and radon risk assessment in Hungarian dwellings | **Vadim Chumak** (238): Dose reconstruction for epidemiological studies among Chernobyl cleanup workers: review of accomplishments and outlook | **Carmel J. Caruana** (235): Increasing the number of students in radiation protection and medical physics - finding a formula that works | **Akimasa Hirata** (345): EMF Dosimetry and Assessment above 6 GHz | | | | |
| **11:30-11:45** | **Annette Röttger** (214): Exploitation of results: Radon metrology for the use in climate change observation and radiation protection | **Dominique Laurier** (332): Effects of radiation exposure on offspring and next generations: current issues and potential impact for radiological protection | **Hielke-Freerk Boersma** (152): 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** (186): 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 mea | **Richard Wakeford** (337): Effects of radiation exposure on offspring and next generations: effects consequent to intrauterine exposure to ionising radiation | **Claire-Louise Chapple** (118): UK Experience of Professional Registration in Radiation Protection | **Dragan Poljak** (177): Assessment Methods for Radiation of 5G systems | | | | |
| **12:00-12:15** | **Eric Petermann** (133): On the effectiveness of radon priority areas - a critical evaluation | **Sisko I. Salomaa** (331): Effects of radiation exposure on offspring and next generations: Genetic and epigenetic effects | **Wei-Hsung Wang** (69): Roadmap to become a certified health physicist in the US | | | **MELODI Workshop** | | **Startup Competition** |

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| **12:15-12:30** | **Hallvard Haanes** (199): Outdoor measurements of thoron progeny in a 232Th-rich area with deposition-based alpha track detectors and corrections for wind bias | **Christelle Adam-Guillermin** (324): Effects of radiation exposure on offspring and next generations: heritable effects in non-human species | **Stéphane Pepin** (128): Information on cosmic radiation received by Belgian aircrew: a survey | **Wout Joseph** (183): Challenges of 5G NR exposure assessment |
| **12:30-12:45** | **Ladislav Tomasek** (272): Additive and multiplicative risk models of lung cancer risk from radon and smoking | **Stéphane Grison** (361): 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**<br>**Salwa AL-salhy** (343): Strengthening the training and retraining programme to strengthen national capacity to reduce exposure to ionizing radiation in catheter laboratories in Iraq<br>**Isabel Paiva** (327): MPSR: A unique Master's Course on “Radiation Protection and Safety” in Portugal. Lessons learnt and recommendations for the future | |
| **12:45-14:15** | **Lunch & Posters** | | | **Lunch** |
| | **NORM & Radon III** | **Radiobiology II** | **Perspectives from ethics, social sciences and humanities** | **5G Communication Systems, II** |
| **14:15-14:30** | **Thomas Makumbi** (123): Assessment of Uncertainties Affecting Dosimteric Calculations for Intake of Radon and NORM | **Dmitry Klokov** (362): Low Dose Research Projects Database: a New Tool to Facilitate Global Collaboration and Effective Funding Decisions | **Anja J. Dijkman** (359): Learning from daily work processes promotes safe working | **Mats-Olof Mattsson** (171): 5G NR and Human Health: Current knowledge and important knowledge gaps |
| **14:30-14:45** | **Hélène Caplin** (288): Occupational exposure in industries involving NORM: special case of the inadvertant ingestion | **Vinita Chauhan** (356): The adverse outcome pathway approach in radiation protection and efforts towards global co-ordination | **Peter Bryant** (110): Communicating Radiation Risk: The Role of Public Engagement in Reaching ALARA | |
| **14:45-15:00** | **Rainer Gellermann** (137): Classification of NORM as a Basis for Dose Estimation | **Felix Mathew** (100): Examining radiation-induced mutations in human cells using single-cell DNA sequencing - An exploratory study | **Tanja Perko** (329): Measuring radiological risk perception through public opinion surveys: Critical reflecton on methods | **Szilvia Nagy:** Investigation of exposure to electromagnetic waves by using unmanned aerial vehicles |
| **15:00-15:15** | **Rainer Gellermann** (211): Experience with NORM-waste disposal in different European Countries | **Young Scientist Competition**<br>**YSC12 Anna Andreevna Rastorgueva** (54): Application of cellular technologies in the treatment of local radiation injuries | **Marie Claire Cantone** (112): Ethics in Radiological Protection in Medicine - ICRP TG 109 | **Krzysztof Gryz** (259): Comparison of exposure to radiofrequency electromagnetic field emitted by RTV and mobile communication transmitters in urban environment |
| **15:15-15:30** | **Iuliia Gushchina** (57): Radiation Monitoring in the Areas of Uranium Legacy Sites and Facilities of the Central Asian Countries during the Environmental Remediation | **YSC13 Mariia Alexandrovna Ianishavskaia (60):** Association of single nucleotide polymorphisms of apoptosis and cell cycle control genes with the risk of malignant neoplasm development in chronically exposed persons | **Catrinel Turcanu** (328): Transdisciplinarity in radiation protection research and practice? Way forward and practical considerations | **Péter Pál Necz** (255): Measurement of radiofrequency (RF) exposure around a 5G base station |
| **15:30-15:45** | **Highlighted posters**<br>**Rainer Gellermann** (298): The European NORM Association (ENA) - Promoting Radiation Protection in the Field of NORM in Europe<br>**Coretchi Liuba** (173): Radon Survey and exposure assessment in Republic of Moldova | **Tetsuhiro Kinugawa** (223): Analysis of radiation effects on cancer using a mathematical model | | **Mattia Vaccarono** (197): A Methodology To Assess The EMF Exposure Of 5G Ssignals |
| **15:45-16:15** | **Coffee break & Posters** | | | **Coffee break** |
| | **Radioactive waste management and geological disposal** | **Radiobiology III** | **Perspectives from ethics, social sciences and humanities** | **Health Effects of Lighting** |
| **16:15-16:30** | **Young Scientist Competition**<br>**YSC14 Davide Bozzato (185):** Operational Radiation Protection Challenges For The LHC Experiments | **Takahiro Wada** (224): 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** (179): Health Effects of Lighting |
| **16:30-16:45** | **YSC15 Vanda Papp (149):** Investigation of the structure of binders related to the final disposal of radioactive waste | **Masanori Tomita** (213): Significance of stem cell competition in the dose rate effects | | |
| **16:45-17:00** | **Federica Russo** (256): 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** (246): Predicting toxicity after head and neck cancer radiotherapy: synergistic role of biological markers and dosimetry? | | **Mariëlle P.J. Aarts** (181): Importance of indoor lighting for well-being, physical and mental health |
| **17:00-17:15** | **Eszter M. Kovács** (178): Preparation of a sorbent suitable for sorption of anionic and cationic radioactive contaminants | **Géraldine Landon** (115): Liposomal formulations of new decorporation molecules for the treatment of internal strontium/cobalt contaminations | | **MELODI Workshop** |
| **17:15-17:30** | **Isabel Paiva** (330): Introduction to the application of COMSOL Multiphysics to radionuclide transport calculations of migrating species from a repository for low-level radioactive waste | **Stanislav S. Silkin** (138): Cancer risk in the cohort of exposed poputation of the East Urals Radioactive Trace<br>**Elena Shishkina** (187): Extensive measurements of Sr-90 body-burden as a basis of retrospective internal dosimetry for population of the Urals region | | **Herbert Plischke** (190): Health effects of lighting, 3 |
| **17:30-17:45** | **Malgorzata U. Sliz** (130): Newly Built Clearance Facility at the Paul Scherrer Institute, Switzerland | **Nadia Boroumand** (304): Cancer-related changes in cells exposed to alpha radiation in combination with nicotine<br>**Teena Haritwal** (169): Radiotherapy induced alteration in cytokine levels are mitigated by TSA in C57Bl/6 mice | | |
| **17:45-18:00** | **Jean-Michel Horodynski** (326): SimB-AD project: methodology to assess beta-only radionuclides activation into cyclotron materials | | | **Plenary Discussion** |
| **18:00-18:30** | **Posters** | | | |

# FRIDAY

| Room | Patria | Brahms | Kodaly | Mozart | Strauss | Bartók I |
|---|---|---|---|---|---|---|
| | **Refresher course IX.** | **PEROSH workshop "Electronic Article Surveillance"** | | | | |
| **08:00-08:50** | **Education II: 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 | | | | |

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| **09:00-09:30** | IRPA | | | |
| | **Highlighted presentations II** | | **9.15-9.30:** Reasonably foreseeable use of EAS and product safety | |
| **09:30-09:45** | **Dóra Buzetzky** (182): Application of cation-exchanged bentonites in nuclear waste treatment | | | |
| **09:45-10:00** | **Harald Breitkreutz** (202): Identification and quantification of anomalies in gamma dose rates of environmental radiation monitors using artificial intelligence | | **9.30-9.45:** Continuous effort to support safe and healthy EAS-workplaces in Europe | |
| **10:00-10:15** | **Stéphane Pepin** (144): The issue of Cs-137 in firewood and biomass combustion: a review | | Discussion | |
| **10:15-10:30** | **Tamara Azizova** (161): Effects of IR on diseases of the circulatory system and their consideration in the System of Radiological Protection | | Discussion | |
| **10:30-11:00** | **Coffee break & Posters** | | | |
| | **Highlighted presentations III** | | | |
| **11:00-11:15** | **Highlighted NIR presentation** | | | |
| **11:15-11:30** | **Ulf Stolzenberg** (239): Radiation protection at ultrashort-pulsed lasers in materials processing | | | |
| **11:30-11:45** | **Thierry Schneider** (205): Reasonableness and tolerability in the system of radiological protection: ICRP on-going reflection | | | |
| **11:45-12:00** | **Angelo Infantino** (274): Radiation Protection challenges in the Large Hadron Collider upgrade | | | |
| **12:00-12:15** | **Competitions awards ceremony** | | | |
| **12:15-12:45** | **Closing ceremony** | | | **EURADOS meeting** |
| **12:45-14:15** | **Lunch** | | | |