

| TUESDAY POSTERS | | | | |
|---|----------------------------|--|------------------------------|---|
| Screen | 17:30-17:45 | | 17:45-18:00 | |
| NIR: Non-ionising radiation | | | | |
| 1 | Zsuzsanna Vecsei | Radiofrequency exposure measurements of 2G-5G mobile systems during youngster's outdoor entertainment | Patryk Zradziński | Occupational hazards related to energy and information transfer near radifrequency readers |
| Education and training | | | | |
| 2 | Tamas Pázmándi | Training and tutoring for the experts of nuclear regulatory authorities of countries outside the EU | Wout P. Moerman | Interactive digital learning tools for radiation protection training |
| 3 | 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 | Mary E. Allan | Heads of profession network |
| Medical applications | | | | |
| 4 | Patricia B. R. Gasparian | Radiosurgery Dosimetry using OSL film made with CaSO4:Eu – a feasibility study | Erik Hülber | An OCT scanner for 3D assesment of clinical LINAC dose fields and developmens of specific polymer gels |
| 5 | Modesto A. Sosa | Eye lens shielding study in computed tomography using MCNP | Zoltan Kolozsi | Impact of x-ray machine replacement on the radiation protection at interventional radiological workplaces |
| Measurement and standardisation / Other radiation protection | | | | |
| 6 | Sophie Harzmann | Clearance measurements at PSI | Rodrigo De Lazzari | Intercomparison study of sensitivities from commercial OSL readers and a new developed OSL reader |
| 7 | Jozef Sabol | Difficultirs in using the present system of the quantification of radiation exposure | Victor Merza | Measurements of backscatter factors of phantoms for the correct evaluation of uncertainty contributions in occupational dosimetry |
| Radioecology | | | | |
| 8 | Natalia Kuzmenkova | Sedimentation evaluation in lakes located in different altitudes using radionuclides | Željka Knežević | Environmental monitoring of the Krško NPP surroundings |
| Personal dosimetry | | | | |
| 9 | Tamas Pázmándi | Review of measurement methods and calibration procedures used in personal neutron dosimetry | Ondrej Mišík | Deposition of radon progeny in laryngeal and pharyngeal regions of respiratory tract |
| 10 | Coretchi Liuba | Health assessment of chronic exposed personnel to ionizing radiation | Borislava Petrovic | Radiation safety of sentinel node biopsy procedure - institutional experience |
| NORM & Radon | | | | |
| 11 | Konstantin Kovler | A difficult way towards a rational and harmonized international regulation of indoor radon | Réka Incze | Radon In Covasna and Harghita counties (Romania): from epicurian to all-pervasive perspective |
| 12 | Sarabjot Kaur | Analysis of uranium biokinetics and internal toxicity to humans from sustained intake of groundwater | Rosabianca Trevisi | Radon levels distribution in University's buildings located in an Italina karst region |
| Radioactive waste management and geological disposal | | | | |
| 13 | Zoltán Hlavathy | Determination of nuclide concentration in waste materials in the insider project | Gabriel Inalegwu Ikaga | Assessing the effect of natural zeolite additives on the immobilization of boric acid radioactive waste by cement |
| Radioactivity monitoring and emergency monitoring | | | | |
| 14 | Ákos Kóvágó | The first integrated geodynamic station in central europe | Anna A. Filonova | Environmental impact assessment of remediation of the site of temporary storage of SNF and RW in Andreeva bay |
| 15 | Arya Krishnan Kambikkanath | Determination of carbon-14 specific activity in soil and sediments by tube combustion and liquid scintillation counting method | Vadim Chumak | Mobile apps for radiation doses, health and well-being after a nuclear accident: recommendations for users, developers and public authorities |
| 16 | Klara Poiškruh | Gross alpha beta method and dose estimation | Peter Oluwadamilare Olagbaju | Radiological assessment of irrigation water used in Rustenburg, South Africa. |
| Regulation | | | | |
| 17 | Jos van den Eijnde | Avoiding multiple conservative assumptions: a case on a laboratory rule | Silke C. Wouters | Dose rate calculations for a new radioactive waste interim storage facility at PSI |
| Radiobiology | | | | |
| 18 | Tímea Hülber | Harmonization protocol on the quality of the micronucleus samples that are scored automatically | Sergey Sokovnin | Surface irradiation installation based on URT-0,5M accelerator |
| 19 | Nadia Boroumand | Cancer-related changes in cells exposed to alpha radiation in combination with nicotine | Ahmad Sleiman | Development of microfluidic chips to immobilize <i>C. elegans</i> for nervous system irradiation with proton microbeam |
| 20 | Kamalesh Mumbreakar | Amelioration of pelvic irradiation induced toxicity by probiotics | Stanislav S. Silkin | Cancer risk in the cohort of exposed population of the East Urals Radioactive Trace |

| THURSDAY POSTERS | | | | |
|---|----------------------------------|---|-------------------------|---|
| Screen | 18:00-18:15 | | 18:15-18:30 | |
| NIR: Non-ionising radiation | | | | |
| 1 | Cristian Goiceanu | Some considerations on challenges related to the use of the new ICNIRP restrictions for human exposure to radiofrequency fields | Mattia Vaccarone | Magnetic fields exposure in electric vehicles: a real-life study case |
| Education and training | | | | |
| 2 | Tom Clarijs | Changing face to face to online radiation protection training: experiences of the trainers and trainees | Salwa AL-salhy | Strengthening the training and retraining programme to strengthen national capacity to reduce exposure to ionizing radiation in catheter laboratories in Iraq |
| Other radiation protection | | | | |
| 3 | Daiane Cristini Barbosa de Souza | Review of the dose management for medical exposure in interventional radiology practices | Hassan Salah Ibrahim | Assessment of pediatric radiation dose and cancer risk from pediatric enhanced ct abdomen examination |
| Medical applications | | | | |
| 4 | Tatsuhiro Gotanda | Dosimetry using a radiochromic film and a mammography phantom | Marina V. Filimonova | Medical application of radioprotectors: a promising concept for the prevention of radiation pathologies |
| 5 | Lyudmila Mikryukova | Stude of risk factors for cataract development in chronically exposed persons | Aída López Romero | Patient dose reduction with the implementation of low dose protocols in computed tomography |
| Measurement and standardisation | | | | |
| 6 | Ivana S. Vukanac | Verification of the sampling procedure for waste and industrial material | Nur Rahmah Hidayati | Analysis of attenuation factors for therapeutical radioisotopes in indonesia: preparation of image quantification for radionuclide therapy dosimetry |
| Other radiation protection | | | | |
| 7 | Claire-Louise Chapple | 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 | Pratibha Pratibha | Radioprotective effects of RKIP006 in radiation-induced gastrointestinal injury via lowering oxidative stress and DNA damage |
| Radioecology | | | | |
| 8 | Carmen A. Tuca | Activity levels of natural and artificial radionuclides from soil in a VVR-S nuclear research reactor decommissioning area | Zhanat Baigazinov | Assessment of possibility of farm animal breeding on the STS |
| Personal dosimetry | | | | |
| 9 | Philippe Lestaevél | The most exposed flight crews in France over the period 2015-2019 | Amir Dareini | Investigation of radiation dose around C-arm fluoroscopy and its related incident cancer risk on operating room staff |
| Personal dosimetry | | | | |
| 10 | Atallah Coptý | The influence of magnetic fields (0.05 T < B < 7 T) on the response of personal thermoluminescent dosimeters to ionizing radiation | Biljana Petrovic | Extremity dosimetry for exposed workers in positron emission tomography in Bosnia and Herzegovina |
| NORM & Radon | | | | |
| 11 | Kremena Georgieva Ivanova | Indoor radon concentration in state schools of four Bulgarian districts | Rainer Gellermann | The European NORM Association (ENA) - promoting radiation protection in the field of NORM in Europe |
| 12 | Coretchi Liuba | Radon survey and exposure assessment in Republic of Moldova | Lisa Pedrazzi | Challenges associated with disposal of exhaust air filters at PSI |
| Radioactive waste management and geological disposal | | | | |
| 13 | Jean-Michel Horodynski | SimB-AD project: methodology to assess beta-only radionuclides activation into cyclotron materials | | |
| Radioactivity monitoring and emergency monitoring | | | | |
| 14 | Yuki Sato | Visualization software for radioactive contamination based on compton camera: COMRIS | Michaela Kozlovská | Radioactivity monitoring after dirty bomb explosion simulation |
| 15 | | | István Róbert Nikolényi | A remote and real-time optical detection of alpha-emitting radionuclids in the environment |
| 16 | Industry & NPP | | | |
| 17 | Sanghoun Joung | Comparative analysis of power system open phase conditions in Korea's standard nuclear power plants | Megan J. Hopkins | Feasibility study of 3D gamma imaging for improving radiological protection at Sizewell B Nuclear Power Plant |
| Radiobiology | | | | |
| 18 | Anna Pantya | Role of individual characteristics in thyroid dose estimation | Ivan V. Milto | Association of the frequency of the cytogenetic disorders in the blood lymphocytes of employees of the nuclear industry enterprise with irradiation dose |
| 19 | Sandrine Pereira | Performances of a binary blood assay for predicting radiosensitivity | Coretchi Liuba | Biological markers of ionizing radiation |
| 20 | Anna Valerievna Rumyantseva | The database of reproductive health parameters in women chronically exposed to ionizing radiation | Natalia Atamanyuk | Radiobiological studies of human HSC using the NOD SCID mice xenotransplantation model |

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| NIR: Non-ionising radiation | | | | |
| Bertalan Pintér | Investigation of UV-induced gH2AX phosphorylation on human keratinocyte and fibroblast cells in vitro | Zsófia Szilágyi | Investigation of the intermediate frequency magnetic field induced adaptive response on human fibroblasts in vitro | |
| Other radiation protection | | | | |
| Wout P. Moerman | The impact of Covid19 on radiation protection exam results | Hielke-Freerk Boersma | 8th International Conference on Education and Training in Radiological Protection (ETRAP): Groningen NL, 26 – 30 June 2023 | |
| Chia-Yi Liu | GA3C for anomalous radiation source detection | Daiane Cristini Barbosa de Souza | Estimation of DRLs for computed tomography scan in hospitals in the south region of brazil | |
| Medical applications | | | | |
| Gustavo E. Camargo | Development of phantom for current modulation quality assurance test on computed tomography | Kristjan Talts | Investigation of scatter radiation field and active survey dosimeter parameters applying standard protocol for chest radiography | |
| Nina Tuncel | Dosimetric comparison of tomotherapy and three dimensional conformal radiotherapy plannings for graves oftalmopathy | Aída López Romero | Uncertainties in the fractionation and optimization of radioembolization with SIR-Spheres | |
| Measurement and standardisation | | | | |
| | | Clement Devic | Evaluation of the IVIScan detector for regulatory dosimetric quality control including wide radiation beam for computed tomography | |
| Hee Seo | Effect of raining and temperature on background signal of radiation portal monitor | Miroslav Voytchev | Recent developments in the international IEC and European EN standards for radiation protection instrumentation | |
| Radioecology | | | | |
| Alexandru O. Pavelescu | Radiological risk assessment for a radioactive effluents buffer tank decommissioning | Szabolcs Osvath | Radioactivity in Hungarian drinking waters | |
| Personal dosimetry | | | | |
| Shinya Imai | Evaluation of factors associated with the effectiveness of radiation protection glasses | Mastaneh Zadehrafai | Romanian national metrological traceability chain associated with eye lens dosimetry by high-precision dosimetry phantoms and Monte Carlo technique | |
| Evelin Derugin | Deep TL: Progress of a machine learning aided personal dose monitoring system | Alberto Stabellini | Performance assessment and improvement of fluorescent nuclear track detectors as neutron dosimeters | |
| NORM & Radon | | | | |
| Kinga Hening (Szacsavai) | Indoor radon distribution in residential and public building from some major urban agglomerations of Romania | Zuzanna Pawlowska | Progress of TraceRadon – Empir 19ENV01 project | |
| Rosabianca Trevisi | Inventory of NORM industrial sectors in Italy: preliminary results | Ileana Radulescu | Outdoor radon measurements by means of SSNDT and active monitoring | |
| Radioactive waste management and geological disposal | | | | |
| Mojtaba Rostamparsa | immobilization of novel radioactive waste of B-10 enriched boric acid with OPC and SAC cementitious materials | Daniela Gurau | Development of assessment methodology for high volume radioactive waste | |
| Radioactivity monitoring and emergency monitoring | | | | |
| Anna Pantya | Monte Carlo simulation of measurements of I-131 in age-dependent thyroid model | Iurii Belskikh | Radiation survey at the remedied dumps of mine No.2 of the Lermontov Production Association "Almaz" | |
| Cristina Nuccetelli | The SIREN Project: development of a real time system to report and collect data for the dose assessment of operators in abnormal events in nuclear medicine therapy | | | |
| Lumen Haendler | Radiation protection challenges at SwissFEL | Pavel Surin | Assessment of dose to the public from tritium intake due to operation of a nuclear power plant | |
| Industry & NPP | | | | |
| Péter Kirchnopf | Gamma spectrometric investigation of fission product activity ratios to calculate burnup, cooling time and power history of spent nuclear fuels | Maxime Karst | Ed's eye lens dose study: methodology, results and strategy chosen for interventions in an industrial environment | |
| Radiobiology | | | | |
| Mostafa Karimi Roshan | Nectar: a new horizon to address Alzheimer's treatment | | | |
| Anu Prakash | Some mechanistic aspects of Trichostatin-A (TSA) as a radio-mitigator | Lipsy Goyal | Effect Of N-acetyl cysteine against radiation and burn combined injury | |
| Irina A. Martinenko | Solid cancer incidence at sites other than organs of the main plutonium deposition in Mayak workers cohort, 1948-2017 | Maria Bannikova | The incidence of basal cell skin cancer in the cohort of Mayak nuclear workers | |

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| NIR: Non-ionising radiation | | | | |
| Balázs Gyulai | Development of an automatic calculation system of public exposure to RF in Hungary | | | |
| Education and training | | | | |
| Isabel Paiva | MPSR: A unique Master's Course on "Radiation Protection and Safety" in Portugal. Lessons learnt and recommendations for the future | Mirjana M. Đurašević | 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 | |
| Other radiation protection | | | | |
| Seung Hun Shin | Respiratory protection strategies for the public in emergency response | | | |
| Medical applications | | | | |
| Abdelmoneim Suleiman | Assessment of the effective radiation dose and cancer induction probability in urographic imaging procedures | Corina Pera | Radiation doses and associated risks for CT head exposures | |
| José Calatayud-Jordán | Local diagnostic reference levels for diagnostic and interventional radiology at a Spanish university hospital | José Calatayud-Jordán | Digital radiography reject analysis at a Spanish university hospital | |
| Measurement and standardisation | | | | |
| Saroa Rozas | ISO 17025 accreditation of LSC measurements in the LMBA | Gal Amit | Automatic classification of TLD glow curve anomalies using machine learning tools | |
| Other radiation protection | | | | |
| Tatsuki Kimura | Occupational risk in terms of mortality | Aída López Romero | Uncertainties in the fractionation and optimization of radioembolization with SIR-Spheres | |
| Radioecology | | | | |
| Viktoria Grill | Determination of Cs-137 and Sr-90 in wood and wood ash purchased in Austria | | | |
| Personal dosimetry | | | | |
| Eugenia Mihaela Coiciu | Dosimetry techniques for complex mixed ionizing radiation fields | Aída López Romero | Comparison between radioembolizations with yttrium-90 and holmium-166 concerning radiation protection of health professionals | |
| Measurement and standardisation | | | | |
| 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 | | | |
| NORM & Radon | | | | |
| | | Jana N. Djounova | Analysis of indoor radon concentration in kindergartens of two Bulgarian district | |
| Dirk A. Filby | Modeling of indoor radon concentration and its validation through measurements in a specifically selected building | Hannah Wiedner | Experiences with accreditation for radon measurement laboratories | |
| Radioactivity monitoring and emergency monitoring | | | | |
| Györgyi Bela | Heliborne measurement of gamma radiation: radiation spectrometry and mapping system (RADIZCAN) | | | |
| Radioactivity monitoring and emergency monitoring | | | | |
| Dorottya Jakab | Practical aspects of assessing the performance characteristics of environmental radiation measurements | Irén Kerekes | The role of the Regional Laboratory (Toina County) of the RAMDAN in the Paks NNP related monitoring programme | |
| Grazyna Krajewska | Measurments of iodine and technetium content in thyroid of occupationally exposed personnel | Irina Avram | Radiological protection assessment using Monte Carlo simulation code | |
| 16 | Industry & NPP | | | |
| 17 | Gyoheok Song | Optimal conditions for neutron and X-ray pulse shape discrimination considering the intrinsic efficiency of neutron generated by LINAC | Hargitai Rita | Reactive oxygen metabolites in murine radiation-induced acute myeloid leukemia |
| Radiobiology | | | | |
| Sonia Spandole-Dinu | Radioprotective effect of green barley juice on rat testis | Nur Rahmah Hidayati | Proinflammatory cytokine of human TNF-alpha in the blood plasma of medical workers occupationally exposed to radiation | |
| Elena Shishkina | Extensive measurements of Sr-90 body-burden as a basis of retrospective internal dosimetry for population of the Urals region | Teena Hariwal | Radiotherapy induced alteration in cytokine levels are mitigated by TSA in C57Bl/6 mice | |
| Iana Vladimirovna Krivoschapova | The study of the telomere length in chronically exposed people | Tamara Fuciarelli | Ionizing radiation alters male (Acheta domesticus) courtship songs that are critical for mating success. | |