

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 radiofrequency 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
Medical applications				
3	Patricia B. R. Gasparian - Virtual participant	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
4	Zoltan Kolozsi	Impact of x-ray machine replacement on the radiation protection at interventional radiological workplaces	Tatsuhiko Gotanda - Virtual participant	Dosimetry using a radiochromic film and a mammography phantom
Measurement and standardisation				
5	Sophie Harzmann - Virtual participant	Clearance measurements at PSI	Rodrigo De Lazzari - Virtual participant	Intercomparison study of sensitivities from commercial OSL readers and a new developed OSL reader
6	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				
7	Viktoria Grill	Determination of Cs-137 and Sr-90 in wood and wood ash purchased in Austria	Željka Knežević - Virtual participant	Environmental monitoring of the Krško NPP surroundings
Personal dosimetry				
8	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
9	Alberto Stabiliini	Performance assessment and improvement of fluorescent nuclear track detectors as neutron dosimeters	Borislava Petrovic	Radiation safety of sentinel node biopsy procedure - institutional experience
NORM & Radon				
10	Konstantin Kovler	A difficult way towards a rational and harmonized international regulation of indoor radon	Zuzanna Pawłowska	Progress of TraceRadon – Empir 19ENV01 project
11	Ileana Radulescu - Virtual participant	Outdoor radon measurements by means of SSNDT and active monitoring	Rosabianca Trevisi - Virtual participant	Radon levels distribution in University's buildings located in an Italina karst region
Radioactive waste management and geological disposal				
12	Zoltán Hlaváthy	Determination of nuclide concentration in waste materials in the insider project	Gabriel Inalegwu Iklaga	Assessing the effect of natural zeolite additives on the immobilization of boric acid radioactive waste by cement
Radioactivity monitoring and emergency monitoring				
13	Ákos Kóvágó	The first integrated geodynamic station in central europe	István Róbert Nikolényi	A remote and real-time optical detection of alpha-emitting radionuclids in the environment
14	Lumen Haendler	Radiation protection challenges at SwissFEL	Vadim Chumak	Mobile apps for radiation doses, health and well-being after a nuclear accident: recommendations for users, developers and public authorities

THURSDAY POSTERS				
Screen	18:00-18:15		18:15-18:30	
NIR: Non-ionising radiation				
1	Cristian Goiceanu - Virtual participant	Some considerations on challenges related to the use of the new ICNIRP restrictions for human exposure to radiofrequency fields	Mattia Vaccarone - Virtual participant	Magnetic fields exposure in electric vehicles: a real-life study case
Education and training				
2	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	Wout P. Moerman	The impact of Covid19 on radiation protection exam results
Other radiation protection				
3	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	Seung Hun Shin	Respiratory protection strategies for the public in emergency response
Medical applications				
4	Corina Pera - Virtual participant	Radiation doses and associated risks for CT head exposures	José Calatayud-Jordán - Virtual participant	Digital radiography reject analysis at a Spanish university hospital
Measurement and standardisation				
5	Ivana S. Vukanac	Verification of the sampling procedure for waste and industrial material	Nur Rahmah Hidayati - Virtual participant	Analysis of attenuation factors for therapeutical radioisotopes in indonesia: preparation of image quantification for radionuclide therapy dosimetry
Personal dosimetry				
6	Philippe Lestaevél - Virtual participant	The most exposed flight crews in France over the period 2015-2019	Biljana Petrovic	Extremity dosimetry for exposed workers in positron emission tomography in Bosnia and Herzegovina
NORM & Radon				
7	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
Radioactivity monitoring and emergency monitoring				
8	Yuki Sato - Virtual participant	Visualization software for radioactive contamination based on compton camera: COMRIS	Peter Oluwadamilare Olagbaju - Virtual participant	Radiological assessment of irrigation water used in Rustenburg, South Africa
9	Klara Poiškruh	Gross alpha beta method and dose estimation	Cristina Nuccetelli - Virtual participant	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
Industry & NPP				
10	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				
11	Nadia Boroumand	Cancer-related changes in cells exposed to alpha radiation in combination with nicotine	Ahmad Sleiman - Virtual participant	Development of microfluidic chips to immobilize <i>C. elegans</i> for nervous system irradiation with proton microbeam
12	Tímea Hülber	Harmonization protocol on the quality of the micronucleus samples that are scored automatically	Rita Hargitai	Reactive oxygen metabolites in murine radiation-induced acute myeloid leukemia
13	Sandrine Pereira - Virtual participant	Performances of a binary blood assay for predicting radiosensitivity	Coretchi Liuba - Virtual participant	Biological markers of ionizing radiation
Regulation				
14	Jos van den Eijnde	Avoiding multiple conservative assumptions: a case on a laboratory rule	Silke C. Wouters - Virtual participant	Dose rate calculations for a new radioactive waste interim storage facility at PSI

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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
Education and training			
Mary E. Allan	Heads of profession network	Isabel Paiva	MPSR: A unique Master's Course on "Radiation Protection and Safety" in Portugal. Lessons learnt and recommendations for the future
Medical applications			
Gustavo E. Camargo - Virtual participant	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
Aída López Romero - Virtual participant	Patient dose reduction with the implementation of low dose protocols in computed tomography	José Calatayud-Jordán - Virtual participant	Local diagnostic reference levels for diagnostic and interventional radiology at a Spanish university hospital
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	Radoslav Radev	Recent developments in the international IEC and European EN standards for radiation protection instrumentation
Hee Seo	Effect of raining and temperature on background signal of radiation portal monitor		
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 - Virtual participant	Evaluation of factors associated with the effectiveness of radiation protection glasses	Mastaneh Zadehrafii - Virtual participant	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	Coretchi Liuba - Virtual participant	Health assessment of chronic exposed personnel to ionizing radiation
NORM & Radon			
Kinga Hening (Szacsvai)	Indoor radon distribution in residential and public building from some major urban agglomerations of Romania	Jana N. Djounova	Analysis of indoor radon concentration in kindergartens of two Bulgarian district
Hannah Wiedner - Virtual participant	Experiences with accreditation for radon measurement laboratories	Lisa Pedrazzi - Virtual participant	Challenges associated with disposal of exhaust air filters at PSI
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	Jean-Michel Horodynski	SimB-AD project: methodology to assess beta-only radionuclides activation into cyclotron materials
Radioactivity monitoring and emergency monitoring			
Anna Pantya	Monte Carlo simulation of measurements of I-131 in age-dependent thyroid model	Dorottya Jakab	Practical aspects of assessing the performance characteristics of environmental radiation measurements
Irén Kerekes	The role of the Regional Laboratory (Tolna County) of the RAMDAN in the Paks NNP related monitoring programme	Michaela Kozlovská - Virtual participant	Radioactivity monitoring after dirty bomb explosion simulation

THURSDAY POSTERS			
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Péter Pál Necz	Measurement of radiofrequency (RF) exposure around a 5G base station	Coretchi Liuba - Virtual participant	Radon survey and exposure assessment in Republic of Moldova
Education and training			
Tom Clarijs	Changing face to face to online radiation protection training: experiences of the trainers and trainees	Hielke-Freerk Boersma	8th International Conference on Education and Training in Radiological Protection (ETRAP): Groningen NL, 26 – 30 June 2023
Other radiation protection			
Tatsuki Kimura - Virtual participant	Occupational risk in terms of mortality	Chia-Yi Liu - Virtual participant	GA3C for anomalous radiation source detection
Personal dosimetry			
Amir Dareini - Virtual participant	Investigation of radiation dose around C-arm fluoroscopy and its related incident cancer risk on operating room staff		
Measurement and standardisation			
Raquel Idoeta Hernandezorena - Virtual participant	ISO 17025 accreditation of LSC measurements in the LMBA	Réka Incze	Radon in Covasna and Harghita Counties (Romania): from epicurian to all-pervasive perspective
Personal dosimetry			
Eugenia Mihaela Coicui	Dosimetry techniques for complex mixed ionizing radiation fields	Aída López Romero - Virtual participant	Comparison between radioembolizations with yttrium-90 and holmium-166 concerning radiation protection of health professionals
NORM & Radon			
Primal Pinto	Ambient Gamma Level, Seasonal and Spatial Distribution of NORM in Beach Placer Deposits	Rosabianca Trevisi - Virtual participant	Inventory of NORM industrial sectors in Italy: preliminary results
Radioactivity monitoring and emergency monitoring			
Irina Avram	Radiological protection assessment using Monte Carlo simulation code		
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	Edf's eye lens dose study: methodology, results and strategy chosen for interventions in an industrial environment
Radiobiology			
Sonia Spandole-Dinu - Virtual participant	Radioprotective effect of green barley juice on rat testis	Nur Rahmah Hidayati - Virtual participant	Proinflammatory cytokine of human TNF-alpha in the blood plasma of medical workers occupationally exposed to radiation
Mostafa Karimi Roshan	Nectar: a new horizon to address Alzheimer's treatment	Anna Pantya	Role of individual characteristics in thyroid dose estimation
Tamara Fuciarelli	Ionizing radiation alters male (Acheta domestica) courtship songs that are critical for mating success.		
Radioecology			
Carmen A. Tuca	Activity levels of natural and artificial radionuclides from soil in a VVR-S nuclear research reactor decommissioning area	Natalia Kuzmenkova - Virtual participant	Sedimentation evaluation in lakes located in different altitudes using radionuclides