

2nd International Conference on Radioanalytical and Nuclear Chemistry / RANC 2019

May 5–10, 2019 / Budapest, Hungary

DETAILED PROGRAMME

Monday, May 6, 2019

Time	Room: Session	TV	#	First name	Last name	Title
Mátyás: PLE						
9:00			507	Pavel P.	Povinec	Ultra-Sensitive Radionuclide Analyses: New Frontiers In Radioanalytics
9:45			427	Sue B.	Clark	Spectroelectrochemical Methods and Approaches for Radioanalytical Chemistry
Mátyás1: Eco						
11:00			193	Samantha B.	Pandelus	Identification Of Radionuclide Uptake Mechanisms By Native Flora In The Vicinity Of Uranium Mines In Arid South Australia
11:30			706	Ayse N.	Esen	Radiological assessment on the terrestrial non-human biota in Turkey using ERICA tool
11:50			511	Duoqiang	Pan	Environmental Fate of Bentonite Colloids in Aqueous Media: Stability and Transport
12:10			540	Alicia	Negron-Mendoza	Radiation Chemistry As A Tool In Chemical Evolution Processes
12:30			756	Per	Törnquist	On The Use Of Sediment Records To Reconstruct Historical Discharges From A Nuclear Facility In Sweden
Mátyás2: Mas						
11:00			708	Georg	Rugel	Accelerator Mass Spectrometry (AMS) for Beryllium-7 Measurements in smallest Rainwater Samples at Dresden
11:30			846	Carmen Grisel	Mendez	Meteoric Cosmogenic Isotopes Production In Atmospheric Aerosols
11:50			618	Jakub	Zeman	Development Of Methods For Determination Of Uranium And Thorium In Detector Construction Materials By Accelerator Mass Spectrometry
12:10			633	Tomáš	Prášek	A New Potential Fluoride Target Matrix For ²³⁶ U Determination In Environmental Media With Accelerator Mass Spectrometry
12:30			259	Yanyun	Wang	Determination of ultra-low level ²³⁶ U in environment samples by ICP-MS/MS with collision/reaction cell technology

Szt. László: Sep				
11:00	322	Christoph E.	Düllmann	Radioisotope Separation In Support Of Fundamental Physics Research
11:30	177	Mu	Lin	The Disposal Of Highly Acidic Spent Nuclear Fuel Solutions
11:50	205	Hyuncheol	Kim	Automated System Applicable For Radiochemical Separation
12:10	873	Matthew M.	Jones	Dropwise Analysis Of Extraction Chromatography Resins Utilizing An On-Line Mass Spectrometry Approach
12:30	043	Galina	Lujaniene	Prussian Blue Based Nano-Composites For Radiocesium Pre-Concentration From Seawater
Krisztina: Naa				
11:00	744	Amares	Chatt	Studies Of Protein-Bound Selenium Using Pseudo-Cyclic Neutron Activation And Temperature-Dependent X-Ray Absorption Spectroscopy
11:30	046	Jong-Hwa	Moon	Measurement of neutron spectrum parameters for NAA irradiation holes in the Jordan Research and Training Reactor
11:50	067	Hana	Cho	Standardization of comparator INAA at KRISS for CRM certification and result comparison with k0-based single comparator INAA and ID-MS methods
12:10	136	Zohra	Lamari	Analysis of Aristolochia Longa .L Medicinal plant from Algeria
12:30	784	Zsolt	Revay	Activation analyses at MLZ, Garching, Germany
Mátyás1: For				
14:10	564	Klaus O.	Mayer	Investigative Radiochemistry as Key Element of Nuclear Forensics
14:40	008	Manny	Mathuthu	Application of ICP-MS Isotopic Ratio Technique in Resolving Nuclear Forensic Signatures in Cobalt Processing
15:00	066	Fongaro	Lorenzo	Identification And Classification Of Uranium Powders Using Colour, Image Texture And Spectroscopy Signatures
15:20	102	Dorian	Zok	Nuclear Forensics on the 135Cs/137Cs ratio by ICP-QQQMS
15:40	837	Andrew	Reinhard	Isotopic Characterization Of Uranium Ore Concentrates By Thermal Ionization Mass Spectrometry
Mátyás2: Fue				
14:10	709	David P.	DiPrete	Zr-93 And Nb-94 Analyses On Savannah River Site Radioactive Waste Matrices
14:40	142	Steve	Jan	Characterizations Of High Activity Solid Deposit Samples From Fission Products Tanks
15:00	171	Sylvain	Costenoble	Development Of Process Monitoring Tools For The Uranium-Plutonium Separation And Purification From Spent Nuclear Fuel By Solvent Extraction
15:20	655	Nima	Fathi	Transient Heating Measurement in Testing Analysis: A Novel Thermal Probe
15:40	763	Lawrence, E	Jassin	Availability of Routine and Customized Proficiency Tesing Materials for the Nuclear Fuel Cycle

Szt. László: Lsc				
14:10	517	Nora	Vajda	Development Of Radiochemical Procedures For The Determination Of Actinides
14:40	597	Keliang	Shi	A Rapid Method For Determination Of 99Tc At Ultratrace Levels In Urine Samples
15:00	588	Liu chao	Zhu	Determination of 135Cs in environmental samples using chemical separation and ICP-MS/MS
15:20	613	Patrick	Haaß	Radiochemical characterisation of spent IER by combination of separation, LSC measurement, and pyrolysis at NRG
15:40	237	Janda	Jiri	Simple Measurement Of Actinides In Urine Using Solid-State Scintillation
Krisztina: Met				
14:10	358	Igor	Izosimov	Detection of Actinides/Lanthanides by Time Resolved Laser Induced Luminescence (TRLIF)/ Chemiluminescence(TRLIC) Laser Spectroscopy
14:40	084	Krzysztof	Gorzkiwicz	Low-background, digital gamma-rays spectrometer with BEGe detector and active shielding
15:00	232	Nabanita	Dasgupta-Schubert	Elemental Analysis Of The Geothermic Microecology Of The Los Azufres (Mexico) Volcanic Complex By Polarised Energy Dispersive X-Ray Fluorescence Spectrometry
15:20	369	Jun Woo	Bae	Optimization Study Of Electrolysis-Based Tritium Continuous Monitor
15:40				
Mátyás1: Edu				
16:30	303	Noémi	Nagy	Radioanalytical And Nuclear Chemistry Course At The University Of Debrecen
17:00	891	Héctor	Bagán	Active Teaching Strategies For Introducing Radionalytical Techniques In Analytical Chemistry Master Degree
17:20	603	Flavia	Groppi	Education in Health Physics and dissemination of scientific culture at University of Milano - UNIMI
17:40	310	Jixin	Qiao	Educational activities in radiochemical analysis at DTU Nutech
18:00	871	Sheldon	Landsberger	E-Learning In Neutron Activation Analysis: A Challenge To Preserve The Expertise
Mátyás2: Pha				
16:30	718	Bernd	Neumaier	Impact of emerging radiofluorination methods on preclinical and clinical PET imaging
17:00	174	Lu	Liu	Towards a stronger halogen bond involving At — Investigation of halogen-bonded adducts of AtI and Bu3PO
17:20	621	Michael A.	Willmann	Novel 18F-labeled D4-receptor ligands
17:40	682	Sibel	Evcüman	Preparation of [18F]ALX5407 via alcohol-enhanced Cu-mediated radiofluorination
18:00	876	Ingo	Spahn	Thermochromatographic Isolation Of 45Ti From Irradiated Sc

Szt. László: Act						
16:30		057	Angela C.	Olson		Pyrochemical Pu Metal Production: Process Improvements and Considerations for Residue Processing
17:00		130	Julia	Stadler		Direct Speciation of Radionuclide Uptake into Plant Parts by DESI MS and TRLFS
17:20		207	Vladimir	Sladkov		Complexation studies of Th(IV) with hydroxamic acid ligands by affinity capillary electrophoresis
17:40		172	Julia Sergeevna	Savosina		Tetra- And Hexavalent Actinide Quantification In Complex Rare Earth Metal Mixtures With Potentiometric Multisensor System
18:00						
Krisztina: Pga						
16:30		261	László	Szentmiklósi		Extension Of Prompt-Gamma Activation Analysis Towards Irregular Shaped And Non-Homogeneous Samples
17:00		793	M. Isabel	Dias		Solving Archaeological Research Problems By Prompt Gamma Activation Analyses And Complementary Techniques
17:20		574	Katalin	Gméling		Neutron-Based Elemental Analysis Of Gravels And Other Concrete-Additives
17:40		585	Boglárka	Maróti		Assessment Of Neutron Self-Shielding And Gamma Self-Absorption Of Materials In A White-Beam Of Guided Neutrons
18:00		342	Kun	Tian		Compositional Studies Of Functional Orthodontic Archwires Using Prompt-Gamma Activation Analysis At A Pulsed Neutron Source
Poster-1						
18:30	Pga	A	870	H. Heather	Chen-Mayer	Application Of Chopped Beam-Pgaa For Short-Lived Isotopes
18:30		B	475	Jiatong	Li	Design of the Explosion-Proof Detection integrated System based on PGNAA technology
18:30	Edu	C				
18:30		D	861	Yading	Zhang	Patent Trend Analysis Of Radioactive Liquid Treatment Technology
18:30	Pha	E				
18:30		F	414	Bernd	Neumaier	The Efficient Preparation of Radiolabeled Aromatic Amino Acids via Cu-Mediated Radiofluorination of Ni-complexes
18:30		G				
18:30		H	760	Mohammed	Al Qahtani	Laminin Derivative Peptide Labelled With Iodine-131 Have Promising Therapeutic Properties For A Specific Melanoma Cells
18:30		I	792	Vladimir	Duflot	Pre-Clinical Studies Of The Radiopharmaceutical For Radiation Therapy Of Metastatic Spinal Tumors
18:30	Act	J	099	Cong-Zhi	Wang	Theoretical Studies on the Actinide Endohedral Borospherenes

18:30		K	162	Marina	Agafonova-Moroz	Actinides reduction in SNF reprocessing studied with UV-Vis spectroscopy and chemometrics
18:30		L	453	Maya	Jäggi	Fusion Melting And Chemical Separation Of Am, Pu And Sr From Barite Concrete
18:30	App	M	244	Nabanita	Dasgupta-Schubert	Total Reflectance Xray Fluorescence Spectrometry For The Analysis Of Se In Human Body Fluids
18:30		N	333	Soonhyun	Kim	Enhance Ment Of Radioactive Cs Adsorption Using Prussian Blue/Tio2 Under Uv Irradiation
Poster-2						
19:00	For	A	883	Olga	Belyaeva	Fallout and Deposition of Cesium-137 in Aragats Massif, Armenia
19:00		B	094	Yan	Chen	Age Determination Of Uranium Sample By 231Pa/235U Radiochronometer
19:00		C	103	Xiaoyan	Jiang	Analysis of Pb, Sr and Nd isotopes in UOC for nuclear forensics
19:00		D	295	Benjamin T.	Dabbs	Isotopic Composition Of Commercially Available Uranium Chemicals - Part Ii
19:00		E	348	Konstantin	Pyuskyulyan	Experience Of Collaboration In Field Of Creating And Development Of Armenian National Nuclear Forensic Lab
19:00		F	436	Galina A.	Zheltova	Complex Of Methods For Analytical Study Of Uranium-Containing Raw Materials For Nuclear Forensics
19:00		G	447	Pavel Yu.	Lobanov	Interaction of RSE «INP» with RK law enforcement authorities in prevention of illegal trafficking of nuclear materials/radioactive substances
19:00		H	624	Klára	Řezanková	Comparison of fission track analysis, SEM-EDX and SIMS for identification and localisation of microscopic uranium particles in environmental samples
19:00		I	627	Kristína	Sihelská	Uranium Particles Analysis Using A Combination Of Fission Track Technique And Secondary Ion Mass Spectrometry
19:00		J	774	Marcus	Christl	A Novel Chronometry Technique To Date Nuclear Fuel Based On Long Lived Cm Isotopes
19:00		K	853	Margaret	Byers	Adsorption of Tracer Gases in Geological Media: Experimental Benchmarking`
19:00		L	011	Tebogo G.	Kupi	Age determination of uranium in mine tailing using Inductively Coupled Plasma Mass Spectrometry for Nuclear Forensic purpose
19:00		M	385	Viktor N.	Gluchshenko	Development Of Nuclear Forensics In Kazakhstan
19:00	Fue	N				
19:00		O	834	David P.	DiPrete	Large Volume Airborne Contamination Monitoring To Support Nuclear Processes Deactivation And Decommissioning

Tuesday, May 7, 2019

Time	Room: Session	TV	#	First name	Last name	Title
Mátyás: PLE						
9:00			631	Jan	John	The 1,2,4-Triazine Ligands – From Irradiated Nuclear Fuel Reprocessing To Chromatography Resins
9:45			702	Yuichiro	Nagame	Chemical Characterization Of The Heaviest Elements
Mátyás1: Eco						
11:00			691	Aleksei	Konoplev	Reconstruction Of Long-Term Dynamics Of Cs-137 In Upa River Based On Current Vertical Distribution In Bottom Sediments Of The Scheckino Dam Reservoir And Its Semi-Empirical
11:30			195	Zhen	Xu	Impact Of Water Chemistry On The Stability And Aggregation Of Bentonite Colloids
11:50			229	Anica	Weller	Uptake And Elemental Distribution Of Radiosilver And Radiocesium In Shiitake Mushrooms
12:10			246	Luyuan	Zhang	Day-Resolution Temporal Variation Of Iodine Isotopes (127I And 129I) In Aerosols From Xi'An, China During 2017-2018
12:30			271	Eva	Kabai	Retrospective Analysis Of 90Sr In Roe Deer Antlers Originating From North-West Germany
Mátyás2: Mas						
11:00			040	Galina	Lujaniene	Carbon Isotope Mass Spectrometry Of Organic Compounds In Baltic Sea Sediments: Implications For Dumped Chemical Weapons Impacts On The Marine Environment
11:30			225	Jakub	Kaizer	Radiopurity measurements of selected materials at ultra-low levels for underground experiments using ICPMS
11:50			721	Dominic	Larivière	Selective Separation And Preconcentration Technique Of 210Pb In Drinking Water For Mass Spectrometric Determination Using Crown Ether
12:10			280	Marine	Verlinde	A new rapid protocol for 226Ra separation and pre-concentration in natural samples for ICP-MS analysis
12:30			435	Rajamanickam	Murugan	Precise measurement of Te isotopes in environmental samples using Multicollector-Inductively Coupled Plasma Mass Spectrometry (MC-ICP-MS).
Szt. László: Sep						
11:00			514	Wangsuo	Wu	Spectroscopic Analysis on Sorption Speciation of Uranium on Solid-Water Interface
11:30			307	Szabolcs	Osváth	Separation Of 93Mo From Irradiated Nb
11:50			400	Gabriele	Wallner	Extraction Of Natural Radionuclides With Ionic Liquids
12:10			406	Katerina	Cubova	Separation Of Fe And Co From Decontamination Media Using Ionic Liquids
12:30			462	Alexandre	Artese	Use Of Bifunctional Compounds N, P For Extracting Uranium From Aqueous Solutions Of Nitric Acid

Krisztina: Naa				
11:00	127	Marina Vladfimirovna	Frontasyeva	State of the art of neutron activation analysis at FLNP JINR, Dubna, Russia
11:30	202	Borut	Smodiš	Upgrade of a TRIGA carousel neutron irradiation facility
11:50	279	Georg	Steinhauser	Neutron Activation Analysis Of Mercury In Compact Fluorescent Lamps
12:10	285	Bryan E.	Tomlin	Maker culture in the NAA Lab
12:30	355	Eric	Mauerhofer	The High-Brilliance Neutron Source (HBS) Project - Perspectives for Neutron Activation Analysis
Mátyás1: For				
14:10	534	Amy M.	Gaffney	Comparison Of The ²³⁰ Th- ²³⁴ U And ²³¹ Pa- ²³⁵ U Model Ages Of Uranium Reference Material Crm-125A Using A Multi-Instrument Analysis Approach
14:40	420	Theresa M.	Kayzar-Boggs	Age Dating Uranium Materials Using ²³¹ Pa/ ²³⁵ U Radiochronometry: A Review of ²³¹ Pa/ ²³⁵ U Advancements and Observations
15:00	456	Zsolt	Varga	Measurement Of Production Date (Age) Of Nanogram Amount Of Uranium
15:20	642	Richard	Essex	Preparation And Calibration Of A Pa- ²³¹ Reference Material
15:40	661	Ayako	Okubo	Joint Validation Of The "In-Situ Uranium Age Dating Method"
Mátyás2: Fue				
14:10	598	Konstantinos	Kavallieratos	Diamide, Dithioamide, and Sulfonamide Ligands for Actinide/Lanthanide Separation and other Nuclear Fuel Cycle Applications
14:40	336	Fang-Li	Fan	A New Strategy For Selective Separation Of Lanthanides From Spent Nuclear Fuel
15:00	364	Zhi	Qin	Closed Nuclear Fuel Cycle Based On The Accelerator Driven System
15:20	622	Eros	Mossini	Radioytic degradation of hydrophilic PyTri ligands for minor actinide recycling
15:40				
Szt. László: Lsc				
14:10	334	Xiongxin	Dai	Determination of beta-emitting radionuclides in environmental and biological samples by TDCR Cerenkov counting
14:40	415	Pawel	Gaca	Application Of Multiple Quench Parameters For Confirmation Of Radionuclide Identity In Radioanalytical Quality Control
15:00	582	Ivana	Coha	Novel Approach For Strontium Preconcentration From Seawater
15:20	367	Kijoon	Kang	The Detection Of Tritium Generated By Proton Exchange Membrane Electrolyte

15:40	325	Ines	Krajcar Bronic	Comparison Of Performances Of Various Scintillation Cocktails And Vials For 3H Activity Determination By Liquid Scintillation Counting
Krisztina: Met				
14:10	382	Jerzy W.	Mietelski	Detection Of Background Thermal Neutrons In A Modified Low Background Germanium Gamma Ray Spectrometer
14:40	432	Seonguk	Choi	Analysis of hydrogen isotopes in frozen water using a combination of LIBS and LAMIS with PLSR
15:00	523	John	Greene	Pu-240 Target Preparation on Thin Backing Foils for GRETINA Experiments using ATLAS
15:20	651	Krzysztof	Panas	Background Reduction In Hpge-Based Spectrometers Using Pulse Shape Analysis Method
15:40				
Mátyás1: Edu				
16:30	387	Maddalena	Negrin	Developing A Massive Open Online Course On Nuclear And Radiochemistry
17:00	298	Lucy N.	Platts	High School Teaching Package to Motivate Young People into Radiochemistry and Nuclear Chemistry Careers
17:20	156	Pavel	Řezanka	How To Educate Talented High School Students In Nuclear Chemistry?
17:40	864	Gergo	Bator	Education program for BSc and MSc studies in engineering field, radiochemistry and radioecology specialty of University of Pannonia
18:00				
Mátyás2: Pha				
16:30	667	Matthias	Herth	Development and Evaluation of 18F-Labeled Tetrazines for Pretargeted Imaging
17:00	757	Mohammed	Al Qahtani	New Promising modified Peptide with DOTA-NHS-ester labeled with Ga-68 as early cancers diagnostic tool
17:20	831	Zeynep	Talip	Use Of A New Cation Exchange Resin For The Separation Of 64Cu From Proton Irradiated 64Ni
17:40	228	Sang Hyun	Park	Improved Radioiodination of Hyaluronic Acid
18:00				
Szt. László: Act				
16:30	058	Lav	Tandon	A Day in the Life of a Bulk Special Nuclear Material Characterization Laboratory
17:00	241	Travis S.	Grimes	The Effect of Gamma Radiation on Hexavalent Americium Autoreduction
17:20	292	Aleksandr	Bodrov	Radiochemical Separation Of Actinides Produced In Multinucleon Transfer Reactions As A Model For Neutron-Rich Isotopes Of Heavy Elements Separation
17:40	300	Sou	Watanabe	Improvement In Flow-Sheet Of Extraction Chromatography For Trivalent Minor Actinides Recovery

18:00		880	Phillip	Kaye	Development Of Automated Separations For Actinides Analysis
Krisztina: Pga					
16:30		867	H. Heather	Chen-Mayer	Feasibility Study Of Compton Imaging For Pga
17:00		604	Gwang Min	Sun	Quantification of Uranium Dioxide Fuels Mixed with Boron Nitride by using Prompt Gamma Activation Analysis
17:20		840	Edward J	Artnak	Upgrade to UT-NETL PGAA system to minimize H background
17:40		843	Aaron M.	Hurst	Measurement Of The $^{139}\text{La}(\text{N},\text{G})$ Reaction Using Pga And Nuclear Structure Of ^{140}La
18:00		897	Christian	Stieghorst	Neutron-induced Elemental Analysis and Imaging for Archaeometry
Poster-3					
18:30	Met	A 027	Yaroslav	Luzhanchuk	A Study Of The Characteristics Of Inorganic Scintillators For Radiation Monitors
18:30		B 063	Chun-Ting	Su	Dose Verification and Comparison on Flattening Filter Free Beam and Flattened Beam of IMRT and VMAT using a 3D N-isopropyl acrylamide gel dosimeter
18:30		C			
18:30		D 390	Pavel P.	Povinec	Analysis of radionuclides in Martian meteorites using nondestructive low-level HPGe gamma-ray spectrometry
18:30		E 442	Gwang Min	Sun	Feasibility Study Of In-Beam Positron Annihilation Spectroscopy At Hanaro Research Reactor
18:30		F 460	Jong-Hwa	Moon	Study for Beta Coincidence spectroscopy
18:30		G 484	Grzegorz	Szaciłowski	^{210}Po Determination In Industrial Air Filters
18:30		H 592	Minsik	Kim	Estimation of Uncertainty in Concentration Measurement Processes of Iodide ion and Molecular Iodine
18:30	Lsc	I 879	Lina	Gaigalaite	Application Of The Absolute Method For Determination Of Tritium And Radiocarbon In Groundwater From Radioactive Waste Facility
18:30		J			
18:30		K 481	Małgorzata	Dymecka	Development Of A Method For Determination Of ^{222}Rn In Water By Liquid Scintillation Counting
18:30		L 601	Qinghua	Xu	Preset of the PSA Value for 1220 Quantulus TM LSC
18:30		M 735	Kun Ho	Chung	Design of a LabVIEW-based virtual instrument system for gaseous carbon-14 monitoring by on-line liquid scintillation
18:30		N 786	Jung Seok	Chae	Determination Of ^{210}Pb By Liquid Scintillation Counting Of ^{210}Pb And Its Progenies
		O 789	Gergo	Bator	Determination Of Ca-41 In Electrochemically Acquired Samples
18:30					

Poster-4

19:00	Naa	A				
19:00		B	685	Yuniel Mazola	Tejeda	Neutron Activation Analysis And Data Mining Techniques To Discriminate Beef Cattle Feed
19:00		C	714	Amares	Chatt	Total, Bioaccessible And Speciation Analysis For Iodine At Nanomolar Levels In Nutritional Materials By Neutron Activation At The Dalhousie University Slowpoke-2 Reactor Facility
19:00		D				
19:00		E	766	Sheldon	Landsberger	Neutron shelf-shielding effects and analysis of rare-earth elements during NAA
19:00		F	801	Shun	Sekimoto	Neutron Activation Analysis Using Kyoto University Research Reactor
19:00		G				
19:00		H				
19:00	Mas	I	544	Mojmir	Nemec	The first AMS laboratory in the Czech Republic – the CANAM infrastructure extension
19:00	App	J	345	Ryohei	Sugita	Visualization Of 14C-Photosynthates In Plants.
19:00		K	375	Jakub	Zeman	Analysis Of Meteorite Samples Using Pixe Technique
19:00		L				
19:00		M	474	Jakub	Kaizer	Analysis Of Historical Paintings Using Ion Beam Analysis And Radiocarbon Dating Techniques
19:00		N	490	Gwang Min	Sun	Effect of Gamma-Ray Irradiation on the electrical properties of NPT-trench gate IGBT
19:00		O	666	Jiangang	He	The Influence Of Iron On Selenite Removal Using Bentonite And Spectroscopy Studies

Wednesday, May 8, 2019

Time	Room: Session	TV	#	First name	Last name	Title
Mátyás: PLE						
9:00			849	Stephen P.	LaMont	Advancing The State-Of-The-Art In Nuclear Forensics
9:45			354	Syed M.	Qaim	Recent Advances In The Production Of Theranostic Radionuclides
Mátyás1: Eco						
11:00			487	Eszter M.	Kovács	Structural Curiosities Of Lanthanide (Ln)-Modified Bentonites Analyzed By Radioanalytical Methods
11:30			339	Dagmara I.	Strumińska-Parulska	Polonium 210Po, Radiolead 210Pb And Uranium (234U, 238U) In Food Products

11:50	372	Jing	Bai	One-pot synthesis of three-dimensional amidoximated polyacrylonitrile nanoparticles/graphene composite hydrogel (PAO-GH) for selective uranium extraction from saline lake brine
12:10	388	Dóra	Buzetzký	Sorption Of Peracthnetate Anion By Cation Modified Bentonite
12:30	409	Claire	Dalencourt	Sequential Extraction Of Th, U, Ra, Pb And Po For Radioactivity Assessment In Mining Residues
Mátyás2: Mas				
11:00	076	Celine	Gautier	Development Of A Strategy To Establish A Standard Method To Determine Tc-99 In Radioactive Wastes
11:30	526	Nancy N.	Wanna	Developing and validating a HPIC-SF-ICP-MS method for measuring isotope ratios of Pu, U and lanthanides to characterize spent nuclear fuel and environmental samples
11:50	199	Diane	Tiong	An in-situ approach to direct quantification of Pu-238 by triple quadrupole Inductively Coupled Plasma-Mass Spectrometry (ICP-QQQ-MS)
12:10	072	Alexandre	Quemet	Americium isotope analysis by Thermal Ionization Mass Spectrometry using the total evaporation method: investigation of method accuracy using a new CETAMA/EC-JRC certified reference material
12:30	168	Colin	Maden	A prototype thermal ionisation cavity (TIC) source with an order of magnitude enhancement in overall efficiency compared to TIMS
Szt. László: Sep				
11:00	733	Veronika	Mocko	Large Scale Production of ¹³⁴Ce, a New PET Radionuclide
11:30	111	Ying	Dai	Homogeneous liquid-liquid extraction of europium from aqueous solution with [DHbet][Tf2N] and [THbet][Tf2N] ionic liquid
11:50	724	Dominic	Larivière	Alpha Spectrometric Determination Of Polonium-210 For Ultra-Trace State: Comparative Study Between Extraction And Preconcentration Techniques
12:10	753	Erik	Prasetyo	Recovery Of Thorium And Uranium From Tin Smelter Slag By Bisulfate Roasting And Leaching
12:30				
Krisztina: Naa				
11:00	187	Rajmund S.	Dybczyński	The role of NAA in securing the accuracy of analytical results in the inorganic trace analysis
11:30	361	Ntombizikhona B.	Ndlovu	Active Biomonitoring of Atmospheric Pollution in the Western Cape Province (South Africa) using INAA and ICP-MS.
11:50	421	Kenan	Unlu	Characterization of Soil, Sediment, and Wastewater Samples from Hydraulic Fracturing Processes Using the CNAA Method
12:10	492	Michiko	Fukushima	Multielement content of selected Japanese food samples by instrumental neutron activation analysis
12:30	495	Jan	Kameník	Homogeneity of carbon nanomaterials studied by INAA

Mátyás1: For				
14:10	231	James D.	Borgardt	Results From the Third Galaxy Serpent Web-Based Table Top Exercise Utilizing the Concept of Nuclear Forensics Libraries
14:40	376	Matthew A.	Higginson	Development of a Plutonium Age Dating Capability for Nuclear Forensics
15:00	178	Eva	Kovacs-Szeles	IAEA Residential Assignment Program to Nuclear Forensics in Hungary
15:20	418	Kyle M.	Samperton	Radiochronometric Insights By Monte Carlo Methods: From Spike Calibration To Model Age Evaluation
15:40	126	Andrei I.	Apostol	Gamma Spectrometric Determination Of Plutonium Age Using Intrinsic Efficiency Calibration
Mátyás2: Fue				
14:10				
14:40	403	Borja	Gonzalez Prieto	Effect Of Cover Gas Composition On Polonium Evaporation From Liquid Lead-Bismuth Nuclear Coolant
15:00	858	Yading	Zhang	The Development Status Of Purex Process For Nuclear Fuel Reprocessing: An Insight From Patents
15:20	553	Guoan	Ye	Investigation Of Uranium/Plutonium Separation By Using Organic Reagent In Purex Process
15:40	852	Margaret	Byers	The Economic Analysis of Biofouling Resistant Adsorbents for the Recovery of Uranium from Seawater
Szt. László: Lsc				
14:10	625	Jose F.	Garcia	Benin Sculptures Dating: Contribution Of Scintillation Techniques To The Restitution Of Cultural Heritage Objects.
14:40	264	Yadong	Wang	Direct Analysis Of Pb-210 In Water By Liquid Scintillation Counting Using A New Sulfate Precipitation Method
15:00	160	Marina	Saez Muñoz	Rapid methods for radiostrontium determination in aerosol filters and vegetation in emergency situations using PS resin
15:20	252	Isabelle	Dolique	Fast Method For The Determination Of Radiostrontium And Plutonium Isotopes In Food Samples
15:40	559	Yanqin	Ji	Pine Needle And Milk Powder Reference Materials Preparation And Its Uncertainty Evaluation On Strontium 90 Analysis
Krisztina: Met				
14:10	820	Massimiliano	Clemenza	CHNET_TANDEM experiment: muonic atom X-ray spectroscopy for archeological sample non-destructive analysis
14:40	670	Luca	Codispoti	MCNP model of L-54 M nuclear research reactor: validation by preliminary i-graphite radiological characterization
15:00	747	Punam	Thakur	Recent Advances in the Radiochemical Separation of Polonium and Actinides in Environmental and Bioassay Samples.
15:20	769	Sheldon	Landsberger	Improvement Of Quality In The Evaluation Of Radium Isotopes 224,226,228Ra In Oil Scale Samples

15:40 819 Ibrahim Pinera-Hernandez bGamma: new general purposes gamma-ray spectrometry software

Thursday, May 9, 2019

Time Room: Session TV # First name Last name Title

Mátyás: PLE

9:00 316 Susanta Lahiri Nature Resourced Radiochemistry

9:45 277 Georg Steinhauser European Monitoring Of The Atmospheric Ruthenium-106 Episode In Fall 2017

Mátyás1: Iod

11:00 282 Georg Steinhauser Tracking Atmospheric Iodine-131 By European Monitoring Networks: The Early 2017 Release As A Showcase

11:30 394 Olivier P. Masson European-Scale Detection Event Of Airborne 131I In January/February 2017

11:50 397 Martin B. Kalinowski Global Observations Of Iodine-131 By The International Monitoring System Of The Ctbto

12:10 562 Anne-Cécile Grégoire Radioactive Iodine in the atmosphere : from source term to dose – State of the Art of IRSN research

12:30

Mátyás2:

11:00

11:30

11:50

12:10

12:30

Szt. László: Act

11:00 363 Azza Habibi Use Of 248Cm Isotope For Cm Determination In Analysis Of 242Cm And 244Cm In Environmental Samples

11:30 529 Jung H. Rim Determination of Neptunium-237 in Plutonium Materials

11:50 616 Beatrice Boulet Development Of A Protocol For The Determination Of Pu, Am And Sr Isotopes At Trace Levels In A Single Environmental Sample

12:10 637 Colt R. Heathman OCTAPA: A Study of Pre-organization of Aminopolycarboxylates for Actinide/Lanthanide Coordination in Nitrate Media

12:30	690	Jon M.	Schwantes	Changing the Rules of the Game: Used Fuel Studies Outside of a Remote Handling Facility
Krisztina: Naa				
11:00	424	Jan	Kucera	Fluorine determination in biological and environmental samples with INAA using fast neutrons from a p(20 MeV)+Be neutron generator
11:30	508	Amanda M.	Johnsen	Neutron Activation Analysis Of Ancient Italian Tile Samples
11:50	684	Wael M.	Badawy	Health Risk Assessment to Elements and Radionuclides in Dust Samples - Kingdom of Saudi Arabia
12:10	696	Yihunie H.	Asres	Application of Neutron Activation Analysis Technique on Soil Samples from Farmlands of Yebrage Hawariat, East Gojjam, Ethiopia
12:30	900	Xiaosong	Li	Bulk analysis of meteorites using INAA at FRM II
Mátyás1: For				
14:10	547	Zsuzsanna	Macsik	Improved radioanalytical method for the separation of U, Pu and Am for the analysis of safeguards swipe samples in IAEA Environmental Sample Laboratory
14:40	855	Robert E.	Steiner	Advances In Environmental Safeguards Bulk Sample Analysis At Los Alamos National Laboratory
15:00	634	Anais	Fourny	Implementation of High Precision Isotope Ratio Measurement of Uranium Ore Concentrate at Canadian Nuclear Laboratories
15:20	030	Andreea E.	Serban	Characterization of Depleted Uranium Based Industrial Shielding Materials for Nuclear Forensics Pusposes
15:40	139	Maria Larisa	Ganea	Non-Destructive Analysis of Pure-Beta Emitters: Applications in Nuclear Forensics
Mátyás2: Pro				
14:10	270	Alex	Hermanne	Recent efforts in extension and updating of the IAEA-NDS data base for charges particle reaction cross-sections relevant for medical radionuclide production
14:40	537	Tsutomu	Ohtsuki	Production Of Radioisotopes At Institute For Integrated Radiation And Nuclear Science, Kyoto University
15:00	145	Gaia	Pupillo	Production of ⁴⁷ Sc with natural Vanadium targets: results of the PASTA project
15:20	699	Matthew D.	Gott	Probing Reactions For Medical Isotope Production Using Novel Rhenium And Iridium Targets
15:40	606	Flavia	Groppi	Radionuclides For Theranostic Applications
Szt. László: Lsc				
14:10	459	Tamás	Varga	Biogenic Fraction Analyses of Liquid Fuels by C-14 AMS and LSC at HEKAL
14:40	555	Duk Won	Kang	Evaluation Of The Characteristics Of ¹⁴ C Behavior In Reactor Coolant From Korean Pwrs
15:00	426	Risto	Juvonen	Importance of the background uncertainty for assay sensitivity and improvement by Hidex Digital Pb Shield (DigPb) method

15:20		894	Susanta	Lahiri	Studies on the migration of $^{35}\text{SO}_4^{2-}$ ions through LSC-TDCR technique in $\text{Na}_2\text{SO}_4/\text{PEG}$ based aqueous biphasic system	
15:40		180	Vasily	Babain	Towards potentiometric multisensor system for plutonium quantification in PUREX process streams	
Krisztina: Mos						
14:10		223	Yasuhiro	Yamada	In-Beam Mössbauer Spectra of ^{57}Mn implanted into LiAlH_4	
14:40		235	Shiro	Kubuki	Mössbauer Study Of Visible Light Activated Iron Silicate	
15:00		373	Young Rang	Uhm	Cation distribution of $\text{Y}_3\text{Fe}_{5-x}\text{M}_x\text{O}_{12}$ (M=Al, and Cr, x=0.25 and 1.0)	
15:20		441	Kazuhiko	Ninomiya	Chemical Environmental Effect On Muon Capture Processes For Iron Compounds	
15:40		216	Zoltan	Homonnay	Mössbauer Study Of High Iron Bearing Kaolinite	
Poster-5						
16:30	Sep	A	033	Xingliang	Li	Complex Formation of Lanthanides with N-(2-hydroxyethyl) ethylenediamine-N,N',N'-triacetic acid (HEDTA) in Aqueous Solutions: Thermodynamic Analysis and Coordination Model
16:30		B	075	Dimitrios C.	Xarchoulakos	Preconcentration Of Uranium From Urine On A Complexing Membrane
16:30		C	090	Cunmin	Tan	Extraction And Separation Of Americium(III) And Europium(III) With 2,6-Bis(5,6-Diethyl-1,2,4-Triazin-3-Yl) Pyridine In Ionic Liquids
16:30		D	093	Yunhai	Liu	Synthesis of ultralight phosphorylated carbon aerogel for efficient removal of U(VI): Batch and fixed-bed column studies
16:30		E	114	Lixi	Chen	Pillararene-Based Phosphine Oxides: Extractants With Potential Application For Uranium Extraction
16:30		F	115	Steven	Mellard	Stereolithographic Printing Of Radionuclide Doped Resins
16:30		G	124	Seokwon	Yoon	Development Of A Sequential Analysis Procedure For Alpha-Emitting Radionuclides In Urine Samples
16:30		H	220	Svetlana	Titova	Uranium Sorption From Pregnant Solutions Prepared By Carbonate Leaching From Peat Ore
16:30		I	370	Hyung-Ju	Kim	CO_2 sequestration using Sr-incorporated glass for ^{14}C capture
16:30		J	556	Hideki	Koyanaka	Tritium Separation From Heavy Water Using A Membrane With Deuterated Manganese Dioxide
16:30		K	594	H c	Eun	Study on the treatment of wastewater from the SP-HyBRID decontamination process of a nuclear power plant
16:30		L				
16:30		M	802	Ayse N.	Esen	Kinetic Studies Of Cesium And Strontium Adsorption From Aqueous Solution Onto Potential Barrier Material
16:30	Iod	N	210	Steven	Biegalski	Global ^{131}I Activity Concentration Trends and Distributions

Poster-6						
17:00	Pro	A	148	Gaia	Pupillo	Realization of metallic Ti-48 enriched targets for the PASTA project
17:00		B	151	Masayuki	Hagiwara	Excitation Functions For Alpha-Induced Reactions On Zirconium In The 10 - 40 Mev Energy Range
17:00		C				
17:00		D	256	José	Ródenas	Production of radionuclides in a cyclotron for application in a PET
17:00		E	349	Gideon F.	Steyn	Optimization Of The Cyclotron Production Of 88Zr/88Y Generators With A 70 Mev Proton Beam
17:00		F	520	Ferenc	Szelecsényi	Formation Of Stable And Radioactive Nuclides Of Ga, Zn, Ni And Co During The Activation Of Different Zn Targets With Protons For Copper Radioisotope Production Up To 100 Mev
17:00		G	565	Makoto	Inagaki	Production Of Medical Radioisotopes Using Electron Linear Accelerator
17:00		H	579	Hiroshi	Yashima	Excitation Functions For Neon-Induced Reactions On Copper Up To 180 Mev
17:00		I	583	Natalia S.	Gustova	Preparation Of Hafnium Targets By Electrodeposition
17:00		J				
17:00	Mös	K	438	Young Rang	Uhm	Study of structural Changes for SUS316L using the Positron Annihilation Lifetime Spectroscopy (PALS)
17:00		L				
17:00		M	444	Takuto	Kudo	Development Of Non-Destructive Isotopic Analysis Method Using Negative Muon
17:00		N	816	Marcel B.	Miglierini	Mössbauer Spectrometry Driven Speciation Analysis Of Iron In Human Brain
17:00		O	823	Svetozar	Musić	Denitration Of Simulated Radioactive Liquid Wastes
Poster-7						
17:30	Eco	A	034	Yu-Hung	Shih	Experimental investigation of colloid diffusion in crystalline rock using SEM/EDS technique
17:30		B	061	Pisutti	Dararutana	Comparison Study Of Ancient Burnt Rice Found At Thailand Archaeological Sites
17:30		C	106	Koichi	Takamiya	Attachment behavior of fission products released from neutron-irradiated UO ₂ to solution aerosol
17:30		D	888	Yong Hwa	Oh	Simple Analytical Method Of Cosmogenic ³⁵ S In Groundwater Using High Volume Liquid Scintillation Counter
17:30		E	159	Marina	Saez Muñoz	Uranium And Plutonium Determination In Soil And Sediments Samples By Fusion
17:30		F	190	Wanee	Srinuttrakul	Stable Isotopic Fingerprint Of Sangyod Rice
17:30		G	201	Yalou	Sun	The Stability Of Kaolinite Colloids: Effect Of Ion Strength, Ph And Humic Substance
17:30		H	253	Ilona	Sekudewicz	Activity Concentration Of Cesium ¹³⁷ Cs In The Ecosystem Of Anthropogenic Dam Lake In Poland, 32 Years After The Chernobyl Accident

17:30		I	294	Tomoko	Ohta	Estimation Of Initial 129I/127I Ratio For Groundwater Dating - Case Study For Coastal Zone In Japanese Island
17:30		J	306	József	Kónya	Study Of Phosphate Sorption Of Soils By Radioactive Tracer Method
17:30		K	330	Kil Yong	Lee	Measurement of NORM in geologic and building materials by the double counting - gamma spectrometry
17:30		L	343	Dagmara I.	Strumińska-Parulska	210Po In Honey From Northern Poland
17:30		M	352	Jerzy W.	Mietelski	Radiogenic Diversity Of West Arctic Tundra
17:30		N	412	Claire	Dalencourt	Quantification of radium in environmental samples: Cationic extraction and ICP-MS analysis
17:30		O	886	Maria, C.	Sahagia	Doses for critical group members as a result of VVR-S nuclear research reactor decommissioning
Poster-8						
18:00	Eco	A	531	Shota	Kambayashi	Behavior of Radiocaesium in Forest Catchments Contaminated by the Fukushima Dai-ichi Nuclear Power Station Accident
18:00		B	543	Alicia	Negron-Mendoza	Radiation-Induced Reactions Of Ketoacids In Aqueous Solution And Their Possible Role In Chemical Evolution Studies
18:00		C	558	Viktor N.	Gluchshenko	Complex Study Of The Radiation And Environmental Situation On The Territory Of The Water Basin Of The Water Reservoir Tasotkel
18:00		D	576	Koichi	Nishikawa	Radioactivity Of Sodium-22 And Sodium-24 Produced In Low-Activation Concrete Used For The Accelerator Tunnel In J-Parc
18:00		E	652	Henriett	Daróczy	Measuring Radon And Thoron Concentration In Groundwater Sources
18:00		F	663	João M. M.	Oliveira	Distribution Of Radionuclides In The Aquatic System Of A Former Uranium Mine Crater
18:00		G	693	Imre Áron	Bognár	Developing the detector efficiency determination procedure of well-type HPGe detector for low activity and small amount environmental samples such as attic dust
18:00		H	327	Haiyan	Zhang	Synchronous Dissolution of Uranium, Thorium and Rare Earths From Hydrous Oxide Cake of Monazite Using Hydrochloric Acid
18:00		I	711	Lydia	Bondareva	Study Of The Absorption And Translocation Of The Herbicide In Plants And Soil Using Radiocarbon
18:00		J	759	Michal	Šuhájek	Sorption of uranium from aqueous solution by TiO ₂ based nanomaterial
18:00		K	777	Róbert	Janovics	Isotope Geochemical Survey Of The Chamber Fields Of The Bataapáti National Radioactive Waste Repository
18:00		L	781	Pavel Yu.	Lobanov	Natural Radionuclides And Toxic Elements In The Border Areas Of Rivers Flowing Into Kazakhstan From Kyrgyzstan
18:00		M	804	Rainer	Kadan	Determination Of The Background Activity Of Be 7, K 40, Sr 90, I 131, Cs-134, Cs-137, Pu-238, Pu-239 And Pu-240 In Austria

Friday, May 10, 2019

Time	Room: Session	TV	#	First name	Last name	Title
Mátyás: PLE						
9:00			064	Wei-Qun	Shi	Actinide Separation over Lanthanides via Aluminium/Gallium Cathode Based Electrolysis in LiCl-KCl eutectic
9:45			291	Frans	De Corte	A survey of the UGent nuclear-analytical contributions to fission-track age determination and to luminescence dating
Mátyás1: Eco						
11:00			313	Oumar Telly	Bah	Dry Deposition Velocity Of Molecular Gaseous Iodine
11:30			081	Jixin	Qiao	40-Year Seasonal Variation Of Tc-99 And Cs-137 In Danish Marine Environment: Implication For Environmental Monitoring And Tracer Studies
11:50			112	Thimo	Philipp	Influence Of Calcium On Uranium And Neptunium Sorption On Clay Minerals At (Hyper)Alkaline Conditions
12:10			121	Rebecca	Querfeld	Assessment Of Radiation Hazards For Athletes Or Visitors Of The Tokyo 2020 Olympic Games
12:30			133	Fabian	Köhler	Determination Of Mobility And Speciation Of ¹²⁹ Iodine In The Soil Vadose Zone Using Long-Term Column Experiments
Mátyás2: Pro						
11:00			805	Ingo	Spahn	Radiochemical Methods in Radionuclide Production at a Cyclotron
11:30			100	Maria, C.	Sahagia	Standardisation Of The Emerging Medical Positron Emitter Zr-89
11:50			501	Mohamed F.	Nawar	Development Of A New Generation Of ⁹⁹ Mo/ ^{99m} Tc Radioisotope Generators To Meet Continuing Clinical Demands
12:10			267	Ferenc	Tárányai	Activation Cross Sections Of Deuteron Induced Reactions For Production Of Radionuclides For Medical, Industrial And Biological Use
12:30			825	Nicholas P.	van der Meulen	Tb Radionuclides For Imaging And Therapy: How Far Have We Progressed?
Szt. László:						
11:00						
11:30						
11:50						
12:10						
12:30						

Krisztina: Mos

11:00	657	Georges Y. M.	Denes	Tin Analysis: Difficulties And Some Solutions
11:30	660	Takafumi	Kitazawa	155Gd Mossbauer Spectroscopic Evaluation For Imidazole-Based Gd(III) Coordination Compounds
11:50	715	Károly	Lázár	Electric Explosion Of Fe-Co Alloy Ribbons In Water
12:10	741	Mira	Ristic	57Fe Mössbauer, FT-IR and FE SEM monitoring of the forced hydrolysis of Fe ³⁺ ions in aqueous solutions containing sulphates
12:30	813	Marcel B.	Miglierini	Effects Of Cutting On Surface Structure Of Stainless Steels Studied By Mössbauer Spectrometry

ACT Actinide Analytical Chemistry

APP Special Applications of Radioanalytical and Nuclear Chemistry

ECO Radioecology and Environmental Radioactivity

EDU Education in radiochemistry

FOR Nuclear Forensics

FUE Nuclear Fuel Cycle

IOD I-131 Production, Release, and Measurement

LSC Liquid scintillation and analysis of long-lived radionuclides

MAS Mass Spectrometry

MET Analytical methods and detection techniques

MOS Mossbauer Spectrometry

NAA Neutron Activation Analysis

PGA Prompt Gamma Activation Analysis

PHA Radiolabeled compounds and radiopharmaceuticals

PLE Plenary Lecture

PRO Production of Radionuclides

SEP Separation, speciation

PLE Plenary talk

We reserve the right to change the programme!

Last updated April 24, 2019