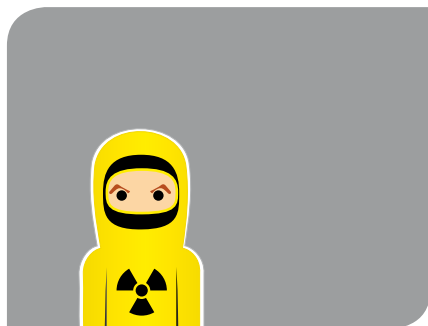


RadChem 2018



PROGRAMME



13 – 18 May 2018

Mariánské Lázně, Czech Republic

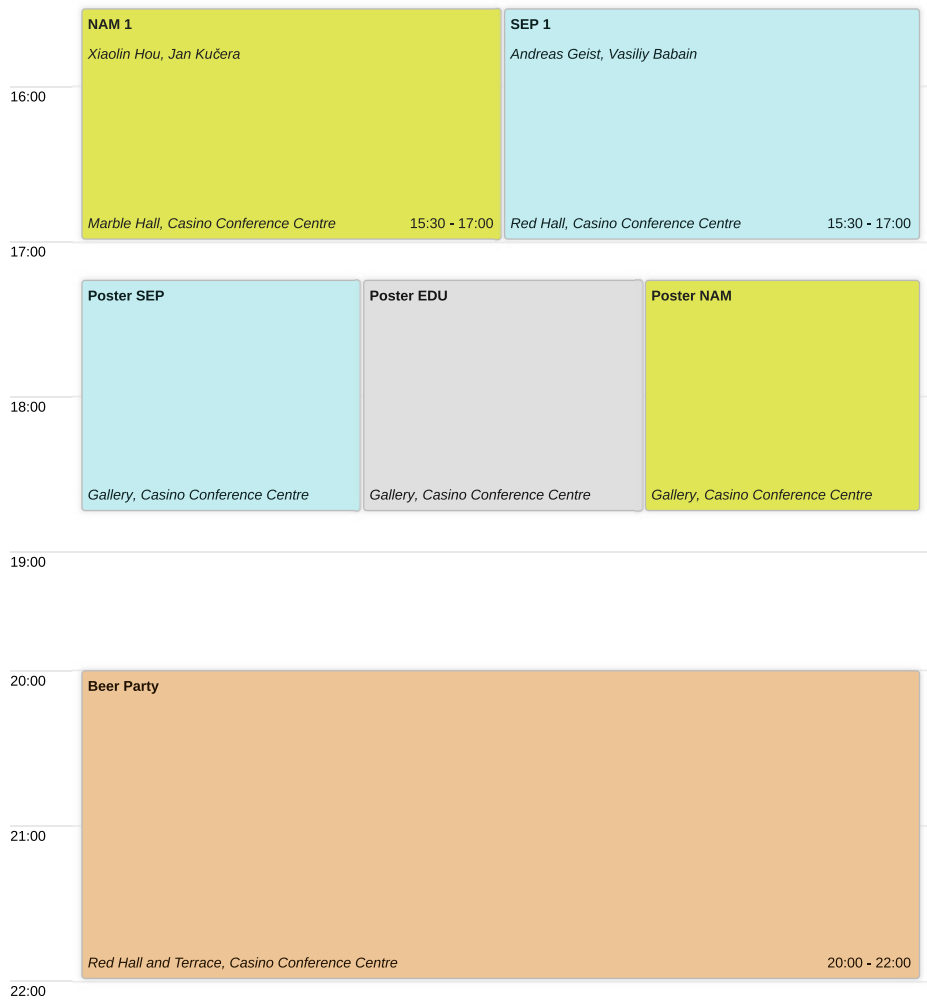
Programme at a glance

Sunday, 13 May

15:00	Registration	
16:00		
17:00		
18:00		
	<i>Foyer, Casino Conference Centre</i>	15:00 - 19:00
19:00	Welcome Drink / Opening Ceremony	
	<i>Mirror Hall, Casino Conference Centre</i>	19:00 - 19:30
	Fifty years of the Journal of Radioanalytical and Nuclear Chemistry	<i>Zsolt Révay</i>
	<i>Marble Hall, Casino Conference Centre</i>	19:30 - 19:50
20:00	Welcome Reception / JRNC Anniversary celebration	
	<i>Mirror Hall, Casino Conference Centre</i>	20:00 - 21:00
21:00		

Monday, 14 May

08:00	Registration			
09:00	Plenary 1 <i>Jan John, Zsolt Révay</i>			
10:00	<i>Marble Hall, Casino Conference Centre</i>		08:30 - 10:00	
	Coffee Break			
	<i>Mirror Hall, Casino Conference Centre</i>		10:00 - 10:20	
11:00	Plenary 2 <i>Sergey Dmitriev, Christine Georges</i>			
12:00	<i>Foyer, Casino Conference Centre</i>		08:00 - 12:00	
	<i>Marble Hall, Casino Conference Centre</i>		10:30 - 12:00	
	Lunch			
13:00	<i>Mirror Hall, Casino Conference Centre</i>		12:15 - 13:15	
14:00	NFC 1 <i>Vaclava Havlova, Christian Ekberg</i>		TAN 1 <i>Ladislav Havela, Christoph Düllmann</i>	
	<i>Marble Hall, Casino Conference Centre</i>		13:30 - 15:00	
15:00	Coffe Break			
	<i>Mirror Hall, Casino Conference Centre</i>		15:00 - 15:20	



Tuesday, 15 May

08:00

NFC 2

Ulrich Noseck, Thorsten Stumpf

Marble Hall, Casino Conference Centre

08:30 - 10:00

TAN 2

Peter Burns, Alexander Yakushev

Red Hall, Casino Conference Centre

08:30 - 10:00

09:00

Coffee Break

Mirror Hall, Casino Conference Centre

10:00 - 10:20

10:00

RER 1

Pavol Povinec, Michal Fejgl

Marble Hall, Casino Conference Centre

10:30 - 12:00

SEP 2

Pavol Rajec, Petra Panak

Red Hall, Casino Conference Centre

10:30 - 12:00

11:00

12:00

Lunch

Mirror Hall, Casino Conference Centre

12:15 - 13:15

13:00

NFC 3

Andreas Geist, Karin Popa

Marble Hall, Casino Conference Centre

13:30 - 15:00

RCH 1

Christian Ekberg, Jan Bárta

Red Hall, Casino Conference Centre

13:30 - 15:00

14:00

Coffee Break

Mirror Hall, Casino Conference Centre

15:00 - 15:20

15:00



Wednesday, 16 May

08:00

RER 2

Borut Smodiš, Sang-Han Lee

PAR 1

Jiří Mizera, Heinz Gaeggeler

09:00

Marble Hall, Casino Conference Centre

08:30 - 10:00

Red Hall, Casino Conference Centre

08:30 - 10:00

10:00

Coffee Break

Mirror Hall, Casino Conference Centre

10:00 - 10:20

11:00

NAM 3

Peter Bode, Rick Paul

EDU 1

Clemens Walther, Jan John

12:00

Marble Hall, Casino Conference Centre

10:30 - 12:00

Red Hall, Casino Conference Centre

10:30 - 12:00

13:00

Lunch

Mirror Hall, Casino Conference Centre

12:15 - 13:15

14:00

Conference Trip & Dinner

21:00

Surroundings and Teplá Monastery

14:00 - 22:00

22:00

Thursday, 17 May

08:00

NFC 4 <i>Katja Schmeide, Miroslav Cernik</i> <i>Marble Hall, Casino Conference Centre</i> 08:30 - 09:46	RER 3 <i>Galina Lujaniene, Yuichiro Kumamoto</i> <i>Red Hall, Casino Conference Centre</i> 08:30 - 10:00
--	---

09:00

10:00

Coffee Break <i>Mirror Hall, Casino Conference Centre</i> 10:00 - 10:20

11:00

NAM 4 <i>Ljudmila Benedik, Amares Chatt</i> <i>Marble Hall, Casino Conference Centre</i> 10:30 - 12:00	SEP 3 <i>Frank W. Lewis, Martin Straka</i> <i>Red Hall, Casino Conference Centre</i> 10:30 - 12:00
---	---

12:00

Lunch <i>Mirror Hall, Casino Conference Centre</i> 12:15 - 13:15
--

13:00

14:00

NFC 5 <i>Guoan Ye, Konstantinos Kavallieratos</i> <i>Marble Hall, Casino Conference Centre</i> 13:30 - 15:00	TAN 3 <i>Igor Izosimov, Peter Kaden</i> <i>Red Hall, Casino Conference Centre</i> 13:30 - 15:00
---	--

15:00

Coffee Break <i>Mirror Hall, Casino Conference Centre</i> 15:00 - 15:20



Friday, 18 May

08:00

RER 5 <i>Jerzy-Wojciech Mietelski, Silvia Dulanská</i> <i>Marble Hall, Casino Conference Centre</i> 08:30 - 09:30	PAR 2 <i>Yuichi Hatsukawa, Andrey Naumov</i> <i>Red Hall, Casino Conference Centre</i> 08:30 - 10:00
RPH 2 <i>Ondřej Lebeda, Veronika Mocko</i> <i>Marble Hall, Casino Conference Centre</i> 09:30 - 10:00	

09:00

10:00

Coffee Break <i>Mirror Hall, Casino Conference Centre</i> 10:00 - 10:20

11:00

NAM 5 <i>Nora Vajda, Pavol Povinec</i> <i>Marble Hall, Casino Conference Centre</i> 10:30 - 12:00	SEP 5 <i>Mojmír Němec, Jiří Janda</i> <i>Red Hall, Casino Conference Centre</i> 10:30 - 12:00
--	--

12:00

Lunch <i>Mirror Hall, Casino Conference Centre</i> 12:15 - 13:15
--

13:00

14:00

NFC 6 <i>Nick Evans, Toshihiko Ohnuki</i> <i>Marble Hall, Casino Conference Centre</i> 13:30 - 14:46	RER 6 <i>Michal Fejgl, Pavel P. Povinec</i> <i>Red Hall, Casino Conference Centre</i> 13:30 - 15:00
---	--

15:00

Closing Ceremony <i>Marble Hall, Casino Conference Centre</i> 15:00 - 15:30

Programme

Sunday, 13 May

Registration - Foyer (15:00-19:00)

Welcome Drink / Opening Ceremony - Mirror Hall (19:00-19:30)

JRNC Anniversary Session - Marble Hall (19:30-20:00)

Journal of Radioanalytical and Nuclear Chemistry anniversary celebration

Conveners: Balázs Réffy; Amares Chatt; Zsolt Révay; Tibor Gabor Kocsor

time [id] title

presenter

19:30 [870] Fifty years of the Journal of Radioanalytical and Nuclear Chemistry

RÉVAY, Zsolt

Welcome Reception / JRNC Anniversary celebration - Mirror Hall (20:00-21:00)

Co-hosted by the Journal of Radioanalytical and Nuclear Chemistry

Monday, 14 May

Registration - Foyer (08:00-12:00)

Plenary 1 - Marble Hall (08:30-10:00)

Conveners: Zsolt Révay; Jan John

time	[id] title	presenter
08:30	[704] Superheavy elements of the D.I. Mendeleev's Periodic Table - Present and future	DMITRIEV, Sergey
09:00	[871] Towards increased cooperation and coordination of R&I activities for decommissioning	GEORGES, Christine
09:30	[867] Environmental radioactivity research in Finland	LEHTO, Jukka

Coffee Break - Mirror Hall (10:00-10:20)

Plenary 2 - Marble Hall (10:30-12:00)

Conveners: Christine Georges; Sergey Dmitriev

time	[id] title	presenter
10:30	[690] Quo Vadis, neutron activation analysis?	BODE, Peter
11:00	[873] Nuclear Forensics – Where radiochemistry meets police work	VARGA, Zsolt
11:30	[683] Structures, properties and dynamics of uranyl peroxide cage clusters	BURNS, Peter

Lunch - Mirror Hall (12:15-13:15)

NFC 1 - Marble Hall (13:30-15:00)

Conveners: Christian Ekberg; Vaclava Havlova

time	[id] title	presenter
13:30	[469] GENIORS, a European Project on Advanced Fuel Recycling Strategies — Consolidating the Outcome of Preceding Projects	GEIST, Andreas
13:45	[723] Lipophilic pyridine-2,6-bis(1H-1,2,3-triazol-4-yl) extractant for selective MA(III) extraction in SANEX-like processes	OSSOLA, Annalisa
14:00	[766] Investigations of diluent effect on europium extraction behavior with TODGA	KAJAN, Ivan
14:15	[624] Carbonate reprocessing of SNF in CARBEX-process	BOYARINTCEV, Alexander
14:30	[692] Closed nuclear fuel cycle based on the accelerator driven system	QIN, Zhi
14:45	[575] Spectrophotometric analysis of synergic systems to replace tri-n-butyl phosphate (TBP) in used fuel reprocessing	CANNER, Adam

TAN 1 - Red Hall (13:30-15:00)

Conveners: Ladislav Havela; Christoph Düllmann

time	[id] title	presenter
13:30	[514] Superheavy Element Chemistry at GSI: Present and Future	YAKUSHEV, Alexander
14:00	[874] Is there a future for liquid-phase super-heavy element chemistry?	OMTVEDT, Jon Petter

14:15	[602] Chemical properties of lawrencium (Lr, Z = 103): adsorption behavior on tantalum surface	SATO, Tetsuya K.
14:30	[744] Microfluidic studies of SHE homologues in new facility at NPI Rez	BARTL, Pavel
14:45	[657] Diamond-based detectors for future chemistry experiments with superheavy elements	KRAUS, Benjamin

Coffe Break - Mirror Hall (15:00-15:20)**NAM 1 - Marble Hall (15:30-17:00)****Conveners: Xiaolin Hou; Jan Kučera**

time	[id] title	presenter
15:30	[678] Sensitivity of in-beam neutron activation analysis	RÉVAY, Zsolt
16:00	[712] Improving the Accuracy, Precision and Detection Limits for PGAA	PAUL, Rick
16:15	[726] Archaeometry with Prompt Gamma Activation Analysis, In-Beam Neutron Activation Analysis and Neutron Tomography at the PGAA instrument of MLZ	STIEGHORST, Christian
16:30	[641] Simultaneous preconcentration of cadmium, cobalt, copper, manganese, nickel and zinc with 1-(2-Pyridylazo)-2-naphthol by cloud point extraction followed by neutron activation analysis	CHATT, Amares
16:45	[472] Geochemical characterization of Quaternary loess–paleosol sediments from Lingtai by instrumental neutron and photon activation analyses	MIZERA, Jiří

SEP 1 - Red Hall (15:30-17:00)**Conveners: Andreas Geist; Vasilij Babain**

time	[id] title	presenter
15:30	[732] Fluorinated diluents - progress and hope	BABAIN, Vasilij
16:00	[608] Alkyl chains effects on uranium(VI) and plutonium(IV) speciation in organic phases containing tetra-alkylcarbamides	BERGER, Clémence
16:15	[552] Comprehensive studies on third phase behavior during solvent extraction of U(VI)/Th(IV) mixtures	DURAIN, Julie
16:30	[650] Production of Lutetium-177 via a solvent extraction based Lu-177m/Lu-177 radionuclide generator	BHARDWAJ, Rupali
16:45	[489] Determining the stoichiometry of An(III)-DMDOHEMA complexes formed during extraction	WESSLING, Patrik

Poster SEP - Gallery (17:15-18:45)

[id] title	presenter
[445] Physicochemical principles of self-sufficient decontamination arias from radioactive pollutants based on model of competitive adsorption	POLYAKOV, Evgeny
[446] Salophen modified biochar fibres derived from <i>Luffa Cylindrica</i> and uranyl binding	LIATSOU, Ioanna
[447] Thorium binding by biochar fibres derived from <i>Luffa Cylindrica</i> after controlled surface oxidation	LIATSOU, Ioanna

[453] The Effect of Surface Properties on the Uranium Adsorption by Mesoporous Ceria	PASCHALIDOU, Polyxeni
[454] Studies on the Separation of Ra(II), U(VI) and Eu(III) from Aqueous Solution using MnO ₂ -resin	PASHALIDIS, Ioannis
[861] Deep Eutectic Solvents: Promising Media for advanced hydrometallurgical processes for actinides separation	COLOMBO DUGONI, Greta
[849] Sorption characteristics of carbon-containing natural materials for removing Tc(VII) from aqueous solution	ERSHOVA, Yana
[847] Removal of radionuclides from aqueous solutions by composite nanomaterial	SZATMÁRY, Lórant
[827] Radiological Characterization of a low and intermediate-level Radioactive Waste Samples from Research Reactor	LIM, Jong Myoung
[829] Studies on New Bis-Triazine Ligands in Spent Nuclear Fuel Reprocessing: Tuning the Aliphatic Part and its Effects on Extraction Properties	LEWIS, Frank
[559] A comparative study of radium and strontium uptake by cementitious materials	KITTNEROVÁ, Jana
[750] Technetium separation from concentrated molybdate solution issuing recycling of molybdenum from irradiated CerMet nuclear fuel	DAÑO, Martin
[656] Determination of formation constants of actinide (An = Pu(IV), Th(IV), Am(III) and U(VI) complexes with a hydrophilic SO ₃ -Ph-BTP ligand, using liquid-liquid extraction	MOISY, Philippe
[645] Modified bio-sorbent wood-decay fungus <i>Fomes fomentarius</i> for pre-concentration of ¹³⁷ Cs in water samples	DULANSKÁ, Silvia
[644] Nanostructured aluminosilicate sorbents of radionuclides based on clay-salt slimes of JSC “Belaruskali”: Physicochemical properties and application	MASKALCHUK, Leanid
[640] Activated carbon as an effective pertechnetate adsorbent	MARTIN, Daño
[755] Synthesis of diglycolamide extraction agents anchored to polyacrylonitrile matrix	FIALOVÁ, Kateřina
[759] Fluorinated carbonates as new diluents for extraction of f-elements	MINDOVÁ, Miriam
[614] Synthesis and characterization of mesoporous manganese oxide sorbents for removal of strontium radionuclides from aqueous solutions	IVANETS, Andrei
[610] Fiber materials based on amine-containing copolymer Eudragit® for radioanalytical applications	VELESHKO, Alexander
[583] The use of various inorganic acids as shelf deposition solutions and their effect on nickel plates	XARCHOULAKOS, Dimitrios C.
[564] The development of separation method of iodine from intermediate level radioactive waste	NYKL, Pavel
[629] Facile Synthesis and Characterisation of NaBiO ₃ nano-sheets and Selective Adsorption of Ce ³⁺	WANG, Ning
[651] Solid phase extraction based Lu-177m/Lu-177 radionuclide generator to produce Lutetium-177	BHARDWAJ, Rupali

[485] Ultrafiltration study of Cs-137, Co-60, Sr-85 speciation in model solution of spent nuclear fuel pool	ZARUBO, Aleksandr
[466] Uranium(VI) binding by pine needles prior and after chemical modification	PHILIPPOU, Katerina

Poster NAM - Gallery (17:15-18:45)

[id] title	presenter
[439] Natural Radionuclides Analysis Using High Volume Liquid Scintillation Counter	YOON, Yoon Yeol
[461] Study of Gravity Effect on Neutron Spatial Distribution in Cold Neutron beam by HANARO Research Reactor	KIM, Jiseok
[471] Substituted tetraphenylethene compounds as chemosensors for recognition of Th ⁴⁺ and UO ₂ ²⁺	WEN, Jun
[475] Tritium speciation in nuclear site metals: An aid to decommissioning	KIM, Daeji
[476] Development and Implementation of a Method for HEU and LEU nuclear material Age-dating	CARDONA, DANIELE
[535] Leak detection of irradiated fuel assemblies in naval marine plants	EPIMAKHOV, Vitalii
[538] Determination of plutonium in water fluids of naval nuclear reactor plants	EPIMAKHOV, Vitalii
[866] Performance comparison of experimental liquid scintillation cocktails	JANDA, Jiří
[863] Building of the first AMS laboratory in the Czech Republic – Extension of the CANAM infrastructure	KUČERA, Jan
[860] Use of microtron for photon activation analysis	CHVÁTIL, David
[859] Separation and isotope ratio measurements of lanthanides and uranium, using HPIC-SF-ICP-MS, for characterization of spent nuclear fuel	WANNA, Nancy
[844] An experimental approach to the determination of the gross activity of uranium, plutonium, americium and strontium in human biological samples using solid-state scintillation	JANDA, Jiří
[843] A Rapid Determination of the Uranium in Environmental Samples	LIM, Jong Myoung
[837] Potentiometric uranyl-selective sensor based on a new supramolecular composition	SAFONOV, Alexey
[831] Multielement content of Canadian food samples by instrumental neutron activation analysis	FUKUSHIMA, Michiko
[821] Determination of the gross activity of uranium, plutonium, americium and strontium in environmental samples using solid-state scintillation	JANDA, Jiří
[818] Application of graphene oxide (GO) and chemically modified GO for radioanalytical separations and preconcentrations.	CHAJDUK, Ewelina
[760] Radioactivity of chondrites and meteorites from Mars and the Moon: Measurements and Monte Carlo simulations	POVINEC, Pavel P.
[745] Preparation of Fluoride Target Matrices for U-236 AMS Measurement	PRÁŠEK, Tomáš
[736] Preparation of micro samples using AAA automat for AMS radiocarbon dating	ŠIMEK, Pavel
[717] Comparative characterization of biosorbents by thermodynamic and kinetic functions in processes of radionuclides adsorption	VELESHKO, Alexander
[714] Application of chromatographic techniques in radiocarbon dating	BRYCHOVA, Veronika

[698] Non-destructive determination of elemental composition of samples of various origin using PIXE technique	ZEMAN, Jakub
[691] Performance Prediction of Coincidence-based Prompt Gamma Activation Imaging System using Geant4 Monte Carlo Toolkit	HAN RIM, Lee
[673] Instrumental neutron activation analysis in monitoring environmental changes in a heavy traffic area after opening the Blanka tunnel complex in Prague	MIZERA, Jiří
[665] Evaluation of Radon Suppression in Low Background Gamma-ray Spectroscopy Based on Monte Carlo Simulation Approach	HOANG, Sy Minh Tuan
[664] Precise Determination of U-235 and Ra-226 Photopeak Intensities in Naturally Occurring Radioactive Materials Using Optimization Subroutine Function	HOANG, Sy Minh Tuan
[653] Activation analysis screening of hazardous elements in a dump soil in the Central Bohemia Region	KRAUSOVÁ, Ivana
[642] Instrumental neutron activation analysis with anticoincidence counting significantly reduces interferences from ⁸²Br and ¹²²Sb to allow reliable measurements of nanogram levels of arsenic in biological materials via ⁷⁶As	CHATT, Amares
[622] Initial study on determination of uranium in wiped samples by Total reflection X ray fluorescence spectrometry	ZHAO, Xinghong
[621] Study on the nuclear forensics analysis of uranium pellet sample	JIANG, Xiaoyan
[612] Study of new luminophores for use in modern scintillation cocktails	JANDA, Jiří
[581] Combination of an automated isolation method and gamma spectrometry for determination of Fe-55 in complex samples	TUCAKOVIĆ, Ivana
[571] Preliminary results of analysis of atmospheric aerosols in Bratislava using PIGE technique	JEŠKOVSKÝ, Miroslav
[548] Electronic Structure Studies of Th Systems using X-ray and theoretical Methods	GALANZEW, Jurij
[540] Monitoring of iodine radionuclides in NPP gas emissions	EPIMAKHOV, Vitalii
[528] A Comparison Study of Simulation for Neutron Induced Prompt Gamma Using MCNPX and PHITS	LEE, KIMAN

Poster EDU - Gallery (17:15-18:45)

[id] title

presenter

[864] New Master Course on FNSPE – Decommissioning of nuclear facilities

CUBOVA, Katerina

Beer Party - Red Hall and Terrace (20:00-22:00)

Tuesday, 15 May

NFC 2 - Marble Hall (08:30-10:00)

Conveners: Thorsten Stumpf; Ulrich Noseck

time	[id] title	presenter
08:30	[872] SF and HLW disposal, long term performance and radionuclide migration in UK radioactive waste disposal – an overview	EVANS, Nicholas M.
09:00	[632] Microbial processes in a radioactive waste repository	CERNIK, Miroslav
09:15	[462] Characterization of different bentonite and its application in the sorption of Cs and Sr from aqueous solution by bentonite-alginate microcapsules	LEE, CHUAN-PIN
09:30	[529] Spectroscopic and batch studies of technetium uptake by siderite	SCHMEIDE, Katja
09:45	[588] Effect of background electrolyte composition on the sorption behavior of Th(IV) and Zr(IV) on the muscovite (001) basal plane	SCHMIDT, Moritz

TAN 2 - Red Hall (08:30-10:00)

Conveners: Alexander Yakushev; Peter Burns

time	[id] title	presenter
08:30	[604] Paramagnetic NMR investigations in metal-organic complexes of tetravalent actinides with soft-donor ligands	KADEN, Peter
08:45	[599] Coordination Chemistry of Uranium (U(IV) and -(VI)) with Bidentate N-donor Ligands	MÄRZ, Juliane
09:00	[498] Complexation of americium(III) with citric acid : role of the hydroxo function ?	TAMAIN, Christelle
09:15	[728] Polydentate phosphin oxide-bearing N-heterocycles as extractants for f-elements	BORISOVA, Nataliya
09:30	[493] Thermodynamics of the complexation of neptunium (V) with halides in aqueous solution at elevated temperatures	MAIWALD, Martin M.
09:45	[497] Actinide samples production at Mainz University for applications in chemistry and physics research	DÜLLMANN, Christoph

Coffee Break - Mirror Hall (10:00-10:20)

SEP 2 - Red Hall (10:30-12:00)

Conveners: Pavol Rajec; Petra Panak

time	[id] title	presenter
10:30	[521] Interaction of human serum albumin with Cm(III) using time-resolved laser fluorescence spectroscopy (TRLFS) and NMR	ADAM, Nicole
11:00	[737] Uranyl – Carbonate – Ca(2+)/Mg(2+) aqueous system spectroscopic experimental and theoretical study - Molecular modelling meets environmental protection	VIŠŇÁK, Jakub
11:15	[738] Speciation and luminescence properties of Eu(III) and U(VI) in solutions using complexing agents	HUPKA, Ivan
11:30	[494] Structure and thermodynamics of the complexes of neptunium (V) with dicarboxylates in aqueous solution	MAIWALD, Martin M.
11:45	[459] Complexation of protactinium(V) with nitrilotriacetic acid	LUCHINI, Coralie

RER 1 - Marble Hall (10:30-12:00)**Conveners: Michal Fejgl; Pavol Povinec**

time	[id] title	presenter
10:30	[695] Contamination of the Baltic sea with radionuclides and potential risk to aquatic biota	LUJANIENÉ, Galina
11:00	[442] Time evolution of Fukushima-derived radiocesium in the western subtropical gyre of the North Pacific Ocean by 2017	KUMAMOTO, Yuichiro
11:15	[619] 236U and 233U around Greenland coast	QIAO, Jixin
11:30	[675] I-129 and I-127 speciation in sea water by IC-ICP-MS and AMX	HÖLZER, Alex
11:45	[658] Sedimentary record of plutonium in the North Yellow Sea and response to catchment environment of inflow rivers	XU, Yihong

Lunch - Mirror Hall (12:15-13:15)**RCH 1 - Red Hall (13:30-15:00)****Conveners: Jan Bárta; Christian Ekberg**

time	[id] title	presenter
13:30	[566] Alpha Radiolysis of DOTA ligand in aqueous solution	FIEGEL, Vincent
13:45	[635] Coumarins and their reaction ability in free-radical reactions	ANTROPOVA, Irina
14:00	[659] Study on the gamma radiolysis of TODGA and CyMe4BTPhen in the ionic liquid [N1888][NO3] using solvent extraction and UHPLC-ESI-MS analysis	ZSABKA, Peter
14:15	[682] Photolytic removal of arsenic and mercury(II) from aqueous solutions	DRTINOVÁ, Barbora
14:30	[739] Hydroxyl radical formation in dilute aqueous solutions through photolysis by sub-5-eV photons	PRECEK, Martin

NFC 3 - Marble Hall (13:30-15:00)**Conveners: Andreas Geist; Karin Popa**

time	[id] title	presenter
13:30	[748] Hot test of advanced Purex process and its results	YE, guoan
14:00	[686] Soft Donor Ligands for Actinide/Lanthanide Separations in Used Nuclear Fuel and for Hg(II) Coordination and Extraction in Alkaline Tank Waste Processing	KAVALLIERATOS, Konstantinos
14:15	[762] Partitioning of minor An(III) and Ln(III) by the 1,2,4-triazine extracting compounds	JOHN, Jan
14:30	[430] Gas-phase nitration of metallic uranium, zirconium, and aluminum	KULEMIN, Vladimir
14:45	[443] Thermodynamic analysis of fluorine regeneration from uranium hexafluoride with a flame of hydrogen-containing fuel and oxygen-containing oxidant using	PASHKEVICH, Dmitrii

Coffee Break - Mirror Hall (15:00-15:20)

NAM 2 - Marble Hall (15:30-17:00)**Conveners: Zsolt Révay; Jan Kameník**

time	[id] title	presenter
15:30	[507] Radiochemical analysis of long-lived radionuclides using mass spectrometry: New progress in the methodology	HOU, Xiaolin
16:00	[463] Determination of ¹²⁹ I in aerosols using pyrolysis and AgI-AgCl coprecipitation separation and AMS measurement	ZHANG, Luyuan
16:15	[506] Isolation of lanthanides from spent nuclear fuel by means of high performance ion chromatography (HPIC) prior to mass spectrometric analysis	VAN HOECKE, Karen
16:30	[477] In-Housing characterization of a working standard americium solution	MALOUBIER, Didier
16:45	[519] ICP-MS measurement versus radiometric detection for Radium-226 analysis in environmental liquid matrices	AUGERAY, Céline

RPH 1 - Red Hall (15:30-17:00)**Conveners: Constantin Mamat; Ondřej Lebeda**

time	[id] title	presenter
15:30	[470] Albumin-binding PSMA Ligands: Next Step Towards Improved Radionuclide Therapy of Prostate Cancer	BENESOVA, Martina
15:45	[545] Sulfonated calix-baskets for complexation of Barium and Radium	MAMAT, Constantin
16:00	[605] Synthesis and radiofluorination of a novel monocarboxylate transporter 1 inhibitor for tumor imaging by PET	SADEGHZADEH, Masoud
16:15	[560] Alpha Radionuclide Therapy Using Polymeric Nanocarriers	DE KRUIJFF, Robin
16:30	[685] ¹³⁴ Ce/ ¹³⁴ La for Positron Emission Tomography of Targeted Alpha Therapeutics	MOCKO, Veronika
16:45	[593] ¹¹⁹ Sb: promising radionuclide for Targeted Auger Therapy - Production radiochemical separation and chelation aspects.	RADCHENKO, Valery

Poster RER - Gallery (17:15-18:45)

[id] title	presenter
[428] Sorption of ¹³⁷ Cs from aqueous solutions onto layered double hydroxides containing the Fe(CN) ₆ ⁴⁻ ion in the interlayer space	KULYUKHIN, Sergey
[429] Sorption of U(VI) onto layered double hydroxides and oxides of Mg and Al, prepared using microwave radiation	KULYUKHIN, Sergey
[440] Marine organism concentration factors and sediment distribution coefficients	CHOI, sukwon
[455] Uranium isotopes (²³⁴ U and ²³⁸ U) in calcium and magnesium supplements	STRUMIŃSKA-PARULSKA
[456] Extraction efficiency of ²¹⁰ Po in Polish herbal teas	STRUMIŃSKA-PARULSKA, Dagmara
[842] Geochemical modeling of strontium transport in nitrate solution. focus on dispersion edge processes	SAFONOV, Alexey
[569] Natural radionuclides in acid mining drainage waters after a not controlled discharge from a pit lake in the south of Spain	MANJÓN, Guillermo
[876] ²¹⁰ Po distribution in different compartments of the Lagoon of Briozzo	MANJÓN, Guillermo
[875] Natural radionuclides in acid mining drainage waters after a not controlled discharge from a pit lake in the south of Spain	MANJÓN, Guillermo

[568] Characterization of radioactive particles generated in low-yield atmospheric weapon tests	MANJON, Guillermo
[775] Radioiodine's behaviour in wastewater treatment plants samples	MARTÍNEZ RATIA, Joana
[848] Investigation of a wetland contaminated by uranium mine tailings in Central France	FICHTNER, Andreas
[839] Determination of Presence of Artificial Nuclides in Air using NuRMS EGS Air Sampler and WIMP 120 Gross Alpha/Beta Counter	FISEROVA, Lucie
[835] Biogeochemical impact on Uranium migration in aquifers near to sludge depository	SAFONOV, Alexey
[833] Study of Po-210 content in the urine of people living in the homes with high radon concentrations	VALDEZOVÁ, Petra
[825] Plutonium, thorium and 137Cs in the bottom sediments of the deep parts of some Mazurian Lakes (Northeastern Poland)	MIETELSKI, Jerzy-Wojciech
[772] On the radioecological issues of natural radionuclides in water and sediment of a highly contaminated lagoon from Mexico	MANDUJANO GARCÍA, Cruz Daniel
[769] 240Pu/239Pu atom ratios in the Bay of Bengal water column	YAMADA, Masatoshi
[768] Aggregation of Bentonite Colloids Influence of Background Electrolyte, pH and Humic Substance	XU, zhen
[763] Adsorption of Uranium from Saline Lake Brine by Amidoximated Mesoporous Silica	YIN, Xiaojie
[857] Sorption properties of microbial treated aquifer grounds in according to technetium, uranium, neptunium, plutonium and americium	SAFONOV, Alexey
[853] Frequency distributions of radiocesium in edible wild mushrooms	KINO, Yasushi
[742] Concentration of Be-7 in Saudi Arabia	ALKHOMASHI, NASSER
[727] Environmental radioactivity studies in Kabul and northern Afghanistan	WALTHER, Clemens
[715] The DESTRUCT software for calculation of barriers evolution parameters	BOLDYREV, Kirill KRYUCHKOV, Dmitry
[709] Inverse estimation of upscaling of dispersion for cesium transport in crushed granite media	LEE, CHUAN-PIN
[703] Radionuclides distribution in roach and pike organs	ROZHKOVA, Alexandra
[699] Application of radioactive and stable isotopes to trace organic matter in the Baltic Sea	LUJANIENE, Galina
[688] Rare elements and radionuclides in aerosols of the Novosibirsk vicinity (Russia, West Siberia)	ARTAMONOVA, Svetlana
[666] Retrospective measurement of U-236 in human lungs	WALLNER, Gabriele
[663] A study of quantitative analysis of Korean granite using ICP-AES/MS/XRF	JIN, Mi-Eun
[661] 210Po distribution in different compartments of the Briozzo Lagoon	MANJON, Guillermo
[647] Dissolved State of Radon Atom with Cluster Molecules of Solvent	YOKOYAMA, Akihiko
[626] Neptunium speciation and accumulation by soil components and biota	EMELIANOV, Alexandr
[618] Natural and anthropogenic radionuclides in Barra de Valizas – Aguas Dulces area, 290 RAMSAR site, Uruguay	NOGUERA, Ana
[592] 129I records of nuclear activities in the East China Sea inner shelf	ZHAO, Xue

[587] Soil-plant transfer ratios of tellurium and the estimation of committed effective dose from ingestion of radio-tellurium released by the Fukushima Daiichi Nuclear Power Plant accident	TAKAHASHI, Sentaro
[562] The adsorptive behaviour of heavy metals on magnetic nano-sorbents	KULAKAUSKAITĖ, Ieva
[551] Detection of 2017 ruthenium-106 fallout in grass in Northern Czechia	PITTAUER, Daniela
[544] Method development for the determination of uranium isotope ratios by MC-ICP-MS	ROVAN, Leja
[526] Retention of Tc(VII) by pyrite nanoparticles	RODRÍGUEZ HERNÁNDEZ, Diana Marcela
[525] Study of oil shale processing parameters on their sorption properties for liquid radioactive waste treatment	SHCHEBLYATSOVA, Anastasiya
[517] Sorption of Sr and Cs onto Czech natural bentonite – Experiments and modelling	BABOROVA, Lucie
[515] Advancements in the measurement of ¹³⁷ Cs, ¹³⁴ Cs and ⁹⁰ Sr in seawater	PIKE, Steven
[501] Accumulation of technogenic radionuclides by plants of meadow natural communities	SHAMAL, Natallia
[495] Is human hair a proper ²¹⁰ Po and ²¹⁰ Pb monitor of their increased natural activity in human body?	STRUMIŃSKA-PARULSKA, Dagmara
[488] Determination of Pu-238,239+240, Am-241 and Sr-90 in air filters affected by Ruthenium isotopes and collected in autumn 2017	GORZKIEWICZ, Krzysztof
[487] Po-210 in marine flora and fauna from an area affected by NORM effluents and atmospheric emissions	MANDUJANO GARCÍA, Cruz Daniel
[474] Radionuclides and stable metals in drainage from old uranium mines	CARVALHO, Fernando P.
[460] Polonium ²¹⁰ Po and radiolead ²¹⁰ Pb in forest mushrooms of family Boletaceae from Poland and China and its contribution to the effective radiation dose	STRUMIŃSKA-PARULSKA, Dagmara

Poster TAN - Gallery (17:15-18:45)

[id]	title	presenter
[486]	Self Diffusion of Bk ³⁺ in aqueous solutions at neutral pH and pH 2.5. Comparison with the trivalent f-elements (Eu ³⁺ , Gd ³⁺ , Tb ³⁺ , Tm ³⁺)	BESBES, Rafik
[532]	Structural diversity of uranyl complexes with aliphatic monocarboxylate ligands	SAVCHENKOV, Anton
[586]	Synthesis, structure and the state of [MIII(UO ₂) ₆ O _{4.5} (OH) ₆]•6H ₂ O (MIII – Nd, Sm, Eu, Gd, Dy) in aqueous solutions	CHAPLIEVA, Kseniya
[591]	Synthesis and study of cesium uranate Cs ₂ U ₆ O ₁₉ •10H ₂ O	BAKHMETEY, Maxim
[648]	Development of an atomic beam apparatus for chemistry of the heaviest elements	NAGAME, Yuichiro
[702]	Np(V)-phenanthroline-dicarboxylic acid compounds: Synthesis, structure, spectral studies, complexation in solutions	BESSONOV, Alexei A.
[484]	Adsorption of the nihonium species on gold surface: a relativistic density functional theory study	DEMIDOV, Yuriy

[865] Extraction of Indium and Thallium Isotopes as the Homologues of Nihonium Into the Ionic Liquids	CUBOVA, Katerina
[826] On the formation and stability of metal carbonyl complexes from superheavy elements and their homologues	WITTWER, Yves
[705] Volatile compounds for high-intensity beams to reach superheavy elements	ALBIN, Yury
[662] Calculation of francium hyperfine anomaly	KONOVALOVA, Elena
[546] Sputtering and heating as factors affecting the durability of actinide targets and metallic foils in experiments on synthesis of superheavy nuclei	SAGAIKAK, Roman
[758] On the carbonyl complexes of Group VI-VIII transition metals: from molecular orbitals to structures	CAO, Shiwei
[701] Np(VI) and Pu(VI) complex formation with malonate ions in low acid solutions	BESSONOV, Alexei A.

Poster RCH - Gallery (17:15-18:45)

[id] title	presenter
[437] Comparison of two types of LuCl ₃ pharmaceutical substance (NCA and CA) for production of radiopharmaceuticals for the Peptide Receptor Radionuclide Therapy.	DOROVATOVSKIY, Stanislav
[496] Interfacial formations in extraction systems	GOLUBINA, Elena
[500] Influence of gamma radiation dose rate and some other parameters on the radiation protection of microbial cells by OH radical scavenging	NEUŽILOVÁ, Barbora
[598] Modification of eukaryotic cells' radiation sensitivity by various hydroxyl radical scavengers	ONDRÁK, Lukáš
[606] XPS study of ion irradiated and unirradiated CeO ₂ samples	MITROFANOV, Artem
[855] ELI Beamlines - Research Program 4: Applications in Molecular, Biomedical and Material Science	PRECEK, Martin
[841] Radiolysis of ammonium succinate in aqueous solution: Relevance in chemical evolution.	NEGRON-MENDOZA, Alicia
[832] Radiation-induced preparation of ZnO:Ga-based scintillators with band gap modulation	PROCHÁZKOVÁ, Lenka
[767] A Study on Post-effects of Proton Beam Irradiation of Tantalum Metal Using Probe Emission Mössbauer Spectroscopy	ALEKSEEV, Igor
[820] European Tools and Methodologies for an Efficient Ageing Management of NPP Cables	CABALKA, Martin
[730] Radiolysis of adenine in aqueous solutions and clay suspensions	NEGRON-MENDOZA, Alicia
[643] Electron Beam Irradiated Carboxymethyl Cellulose Hydrogel Containing Silver Nanoparticle/Activated Carbon Composites for Fast Wound Healing	PARK, Won Ho
[634] Electron Beam Treatment and Characterization of Lignin Obtained from Black Liquor by A Mini-Pilot Scale Extraction System	CHO, Donghwan
[633] Fabrication of Antibacterial Foam Dressing Including Radiation Assisted Silver-Carbon Composites	KWON, Oh Hyeong
[607] The XPS structure and the peculiarities of the chemical bond nature in CeO ₂	MITROFANOV, Artem

Concert - Marble Hall (20:00-21:30)

Wednesday, 16 May

RER 2 - Marble Hall (08:30-10:00)

Conveners: Borut Smodiš; Sang-Han Lee

time	[id] title	presenter
08:30	[499] A long-term monitoring of ^{14}C in liquid discharges from the NPPs of the Czech Republic	FEJGL, Michal
08:45	[681] Biogeochemical factors of Uranium and Technetium migration in subsurface water near to RW repository	SAFONOV, Alexey
09:00	[438] Artificial Groundwater Recharge Process Study By Natural Isotopes Tracers	YOON, Yoon Yeol
09:15	[677] Production of cosmogenic radionuclides in Ge spectrometers placed in deep underground: a comparison of measurements with Monte-Carlo simulations	BREIER, Robert
09:30	[670] Monte Carlo simulation of environmental background sources of a HPGe detector operating in Modane underground laboratory	PALUŠOVÁ, Veronika
09:45	[718] Neutrons and gamma-rays as environmental sources of HPGe detectors background operating underground	BAGINOVA, Miloslava

PAR 1 - Red Hall (08:30-10:00)

Conveners: Heinz Gaeggeler; Jiří Mizera

time	[id] title	presenter
08:30	[467] Radionuclides for theranostic applications	GROPPI, Flavia
08:45	[543] Flexible irradiation facility for the production of radionuclides	DENKOVA, Antonia
09:00	[480] Technetium isotopes for electron tracking Compton camera imaging	HATSUKAWA, Yuichi
09:15	[550] ^{99}Mo production from α -induced reaction on ^{96}Zr	AIKAWA, Masayuki
09:30	[555] Concentrating of fission ^{99}Mo from very low enriched uranium by extraction with higher hydroxamic acids solutions in alcohols C8-C10	NAUMOV, Andrey A.
09:45	[594] Production cross section measurement of α induced reaction on ^{177}Lu to produce medical RI ^{177}Lu	SAITO, Moemi

Coffee Break - Mirror Hall (10:00-10:20)

EDU 1 - Red Hall (10:30-12:00)

Conveners: Clemens Walther; Jan John

time	[id] title	presenter
10:30	[724] MEET-CINCH A Modular European Education and Training Concept In Nuclear and radioChemistry	WALTHER, Clemens
10:45	[510] Future Perspectives of Nuclear and Radiochemistry Education in the New Era of the Silk Road According to Chinese Nuclear Energy Development	PAN, Duoqiang
11:00	[576] CORONA Academy - regional training center for VVER competences	KLEPÁKOVÁ, Adela
11:15	[765] A new blended-learning hands-on training course in nuclear chemistry	NĚMEC, Mojmír

11:30	[671] Nuclear and Radiochemistry 2nd edition – a textbook published by Elsevier	KÓNYA, József
11:45	[729] The European Network on Nuclear and Radiochemistry Education and Training	WALTHER, Clemens

NAM 3 - Marble Hall (10:30-12:00)

Conveners: Peter Bode; Rick Paul

time	[id] title	presenter
10:30	[700] Analysis of environmental radionuclides at ultra-low levels: Limitations for underground experiments on rare nuclear processes	POVINEC, Pavel P.
11:00	[502] Determination of ultra-trace levels of uranium and thorium in electrolytic copper by radiochemical neutron activation analysis	BENEDIK, Ljudmila
11:15	[616] INAA of elemental admixtures in carbon-based nanomaterials for battery electrodes	KAMENÍK, Jan
11:30	[504] Sequential anion-exchange separation of ultra-trace actinides and lanthanides with an automatic system	MIYAMOTO, Yutaka
11:45	[676] Application of HPLC-NAA for the speciation analysis of As, Fe and Se in infant formulas.	CHAJDUK, Ewelina

Lunch - Mirror Hall (12:15-13:15)

Conference Trip & Dinner (14:00-22:00)

Thursday, 17 May

NFC 4 - Marble Hall (08:30-09:46)

Conveners: Miroslav Cernik; Katja Schmeide

time	[id] title	presenter
08:30	[585] Sorption and solidification of iodate	OHNUKI, Toshihiko
08:45	[751] Disposal options for molten salt reactor waste	DE VISSER - TÝNOVÁ, Eva
09:00	[468] Determination of mineral-specific distribution coefficients of ¹³³ Ba from thin sections of granitic rock using filmless electronic autoradiography	MUURI, Eveliina
09:15	[584] Profile analysis of Aare granite samples after radionuclide migration	HOFMANOVÁ, Eva
09:30	[667] In-situ migration experiment with radionuclides in granitic rock (Josef gallery, Czech Republic)	ZUNA, Milan

RER 3 - Red Hall (08:30-10:00)

Conveners: Galina Lujaniene; Yuichiro Kumamoto

time	[id] title	presenter
08:30	[490] Radionuclides' uptake from contaminated soil into vegetables and consequent dose assessment	SMODIŠ, Borut
09:00	[603] Effect of wet and dry processes on the gastrointestinal absorption of radiocesium adsorbed to soil particles in rats	IWATA, Kayoko
09:15	[684] A study on distribution characteristics of ³⁷ Cs, ⁹⁰ Sr and Pu isotopes in the mushroom and lichen in South Korea.	LEE, S.-H
09:30	[707] Vertical Migration of Radionuclides in Soil Samples from Pripjat	HEINE, Daniel
09:45	[679] The role of nuclear forensics in determining contamination sources	THAKUR, Punam

Coffee Break - Mirror Hall (10:00-10:20)

NAM 4 - Marble Hall (10:30-12:00)

Conveners: Amares Chatt; Ljudmila Benedik

time	[id] title	presenter
10:30	[696] Rapid Method for the Determination of Actinides and ⁹³ Zr in Radioactive Waste, Biological and Environmental Samples	VAJDA, Nóra
11:00	[553] Rapid Determinations of Sr-90, Am-241 and Plutoniumisotopes in Emergency Exercises	LANDSTETTER, Claudia
11:15	[595] Determination of Mo-93 (and Nb-94) in nuclear decommissioning waste from a nuclear reactor	OSVATH, Szabolcs
11:30	[520] The AUTORAD platform for the automated radiochemical analysis	VÍCTOR, Vicente Vilas
11:45	[434] TRLIF and TRLIC Laser Spectroscopy and Detection of Actinides/Lanthanides in Solutions	IZOSIMOV, Igor

SEP 3 - Red Hall (10:30-12:00)**Conveners: Frank W. Lewis; Martin Straka**

time	[id] title	presenter
10:30	[574] Silica-based extractants for metal uptake and their direct conversion to a waste form	PEPPER, Sarah
11:00	[577] Remediation of Radioiodine from aqueous used nuclear fuel (UNF) waste streams by Lewatit A365 and Purolite S985	BARTON, Daniel
11:15	[580] Synergy of sequential injection analysis and molecular recognition technology for low-level Sr-90 activity determination	COHA, Ivana
11:30	[492] The binding ability of amidoxime ligands with different substituents to uranyl	YANG, Chu-Ting
11:45	[567] Pre-concentration and selective separation of Ra ²⁺ in the presence of a wide range of concurrent cations using a new developed resin	KHALFALLAH, SOUMAYA

Lunch - Mirror Hall (12:15-13:15)**NFC 5 - Marble Hall (13:30-15:00)****Conveners: Guoan Ye; Konstantinos Kavallieratos**

time	[id] title	presenter
13:30	[436] New applications of the hot compressed water method for the chemistry of the nuclear fuel cycle	POPA, Karin
14:00	[527] Heat treatments of Cl ⁻ and water-contaminated PuO ₂ and its analogues	SUTHERLAND-HARPER, Sophie
14:15	[597] Thermal decomposition and structural changes of lanthanide-doped uranium dioxide particles prepared by internal gelation	SCHREINEMACHERS, Christian
14:30	[719] MCNP modeling of impurity activation in graphite moderator and reflector of a L-54M-type nuclear research reactor	MOSSINI, Eros
14:45	[522] Homogeneous precipitation of thorium by thermal decomposition products of urea	WANGLE, Tadeas

TAN 3 - Red Hall (13:30-15:00)**Conveners: Igor Izosimov; Peter Kaden**

time	[id] title	presenter
13:30	[655] Electrochemical Behavior of Plutonium in Nitric Acid and n-Tributyl Phosphate	MOISY, Philippe
13:45	[465] New Insights into the Chemistry of the An-Se-oxosystem	LANGER, Eike
14:00	[533] Sublattices of actinide atoms in crystal structures	SAVCHENKOV, Anton
14:15	[637] Astatine: Halogen or Metal?	MONTAVON, Gilles
14:30	[547] Impact of charge transfer to ligands on magnetism of Uranium compounds	HAVELA, Ladislav
14:45	[638] Thermodynamic and Structural study of uranyl phosphonate-based ligands as potential uranium decorporation agents	YE, Gaoyang

Coffee Break - Mirror Hall (15:00-15:20)

SEP 4 - Red Hall (15:30-17:00)**Conveners: Philippe Moisy; Sarah Pepper**

time	[id] title	presenter
15:30	[561] Electrochemical behavior of Co(II) in 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide	STRAKA, Martin
15:48	[617] Development of procedures for separation of uranium and thorium from selenium matrices for their determination by mass spectrometry techniques	KAIZER, Jakub
16:06	[613] Ca-Mg phosphates as an effective sorbents of ⁶⁰ Co and ⁸⁵ Sr radionuclides	IVANETS, Andrei
16:24	[735] Studies on graphene-based materials for the removal of radionuclides from aqueous solution.	MOHAMUD, Hibaaq
16:42	[747] Sorption properties of selected oxidic nanoparticles for the treatment of spent decontamination solutions based on citric acid	FIŠERA, Ota

RER 4 - Marble Hall (15:30-17:00)**Conveners: Alexey Safonov; Gabriele Wallner**

time	[id] title	presenter
15:30	[743] Time and temperature depend changes of radionuclides sorption behavior of clays in Yeniseysky site environment	KONEVNIK, Yulia
15:45	[687] Modern geoecological situation of "Crystal" peaceful underground nuclear explosion vicinity (Siberian Plate)	ARTAMONOVA, Svetlana
16:00	[725] Radioactive medicinal springs: Searching for activating geomaterials	GOLIÁŠ, Viktor
16:15	[503] Molecular Insights into Uranium Adsorption to Granite Gained from TRLS, EXAFS and EPMA Study	PAN, Duoqiang
16:30	[483] Contamination of forest fuel materials by long-lived radionuclides and estimation of its threat to human health during the wildfires in Belorussian part of Chernobyl exclusion zone	DVORNIK, Aliaksandr A.
16:45	[628] Americium and cesium distribution among sequential extraction fractions in bottom sediments and reed from artificial reservoir	KUZMENKOVA, Natalia

Student Poster Competition - The Award Ceremony - Marble Hall (17:15-17:30)**Poster NFC - Gallery (17:30-19:00)**

[id] title	presenter
[458] Murataite - A matrix for immobilizing waste generated in radiochemical processing of spent nuclear fuel	LIZIN, Andrey
[431] Application of microwave radiation for decomposition of uranyl nitrate in the silica gel matrix	KULEMIN, Vladimir
[457] The Micro-Optical Ring Electrode: A Sensor for Multiple Actinide Ions Monitoring	LINNETT, Gary
[509] Volatilisation of ¹³⁴ Cs, ¹³¹ I and ²¹⁰ Po from lead bismuth liquid metal solutions studied by the transpiration method	DANILOV, I.I.
[513] Stability investigations of actinide doped calcium silicate hydrate phases in highly saline electrolytes	WOLTER, Jan-Martin
[834] Uranium bioremoval from liquid radioactive waste in alkaline conditions using different types of microorganisms	SAFONOV, Alexey
[852] Approaches to inner safety barriers development	ZHARKOVA, Viktoria

[856] Prospective of syntetic K-Struvite as solid radioactive waste matrix	KONEVNIK, Yulia
[858] Development of barrier system in hosting rocks	ZHARKOVA, Viktoria
[869] The effect of dissolved hydrogen on the oxidative dissolution of highly Pu-doped MOX and externally irradiated UO ₂	HANSSON, Niklas
[757] Features of radionuclides sorption by bentonite clays	ERSHOVA, Yana
[862] Oxidative dissolution of compounds present in corrosion layers in primary circuit stainless steels	ŠOBOVÁ, Tereza
[854] Can be barium and strontium used as analogues to radium in clay migration?	PECKOVÁ, Anna
[851] Evolution of mineralogy and radionuclide diffusion on Portland-type -cementitious materials due geochemical and thermal effects	ROSENDORF, Tomáš
[845] Radionuclides behavior during liquid deactivation of irradiated graphite bushings	ERSHOVA, Yana
[830] The use of columns of the zeolite clinoptilolite in the remediation of aqueous nuclear waste streams	EVANS, Nick
[828] Performance of Decontamination Foams Containing Various Chemical Components	CHOI, Wangkyu
[823] Competition of U(VI) hydroxide and carbonate complexation in alkaline solutions – implications for U(VI) retention by Ca-bentonite	SCHMEIDE, Katja
[774] Study of Europium Speciation Using Time-resolved Laser-induced Luminescence Spectroscopy	POKORNÝ, Michal
[749] Sorbents for treatment of highly radioactive liquid waste, originated from VVER NPP severe accident	HAVLOVÁ, Václava
[746] Application of molecular modelling for studying the stability of organic ligands in nuclear fuel cycle	KOUBSKÝ, Tomáš
[674] The use of a cement compound for treatment radioactive waste from the reprocessing of SNF fast reactors	ZHEREBTSOV, Alexander
[672] Decontamination of anthropogenic polluted soils from Ra-226 decay family radionuclides and mercury using hydroclassification technique	NIKULINA, Uliana
[668] Development of tools for studying radionuclide transport in fractured rock environment	ZUNA, Milan
[573] Simulation of solute transport from deep repository to near surface	CHUDOBA, Josef
[570] Application of the method of electrolytic-plasma treatment for decontamination of removable equipment of nuclear power plants	KALENCHUKOVA, Olga
[537] Enhancing the technology for chemical washing of reverse osmosis modules used in treatment and evaporation of liquid radioactive waste	EPIMAKHOV, Vitalii
[536] Formation and transformation of physical and chemical iodine forms by foreign substances in the primary coolant	EPIMAKHOV, Vitalii
[530] Investigation on the sorption behavior of Se(IV) and Se(VI) onto modification bentonite	SHI, Keliang
[523] Diffusion and sorption of radionuclides in veined gneiss from Olkiluoto, Finland	AROMAA, Hanna
[761] Characteristics of Decontamination Foams Containing Various Chemical Components	CHOI, Wangkyu

[740] Stability of chain and cyclic monoamide resins for selective separation of U(VI) against γ -ray irradiation in HNO ₃	NOGAMI, Masanobu
[722] Salts of organic bases application for in-cycle regeneration of the turnaround extractant	RODIN, Alexey
[721] The effect of preliminary irradiation on the dynamics of gas evolution under thermal oxidation of the diamides based extractant in the diluent F-3	RODIN, Alexey
[720] The influence of accelerated electrons on low flammability limits for extraction mixtures based on light hydrocarbon diluent – isopar M	RODIN, Alexey
[693] Selective separation of neutron poisons from spent nuclear fuel using a carboxyl-functionalized ionic liquid	FAN, Fangli
[654] Degradation of diluent in TODGA – F-3 extraction system under α -, β -, γ -irradiation	VIDANOV, Vitaliy
[649] The study of the behavior of coatings based on silica-organic composition OS 51-03 of the containment during severe accidents at NPP	FISKOV, Anton
[600] Modeling of technological processes for their optimization and designing of industrial facilities in SNF reprocessing.	EVSYUKOVA, Yuliya
[579] TPE and RE extraction during long-lived radionuclide partitioning in combination with PUREX-process using single TBP-based solvent	NAUMOV, Andrey A.
[549] The rate and mechanism of uranium and lanthanum leaching from magnesium-potassium-phosphate compound	GROMYAK, Irina
[539] Immobilization of high level waste in magnesium-potassium-phosphate compound	VINOKUROV, Sergey
[524] Third Phase Formation in the Extraction of Ce(IV) by tri-n-butyl phosphate and tri-sec-butyl phosphate from nitric acid media	C., Aditi
[516] The assessment of the composition of the gas phase in the processes of stabilizing plutonium valent states during hydrometallic processing of spent nuclear fuels	MITRIKAS, Polina

Poster RPH - Gallery (17:30-19:00)

[id] title

presenter

[433] Human serum albumin microspheres labelled with rhenium-188 as the basis for new therapeutic radiopharmaceuticals	ZVEREV, Aleksandr
[505] Fully automated GMP [68Ga]GaDOTA-TOC production using TRACERlab® MX module	RAJEC, Pavol
[708] Determining nuclear data of the isomer 195mPt production through neutron irradiation of enriched 193Ir at the reactor IBR-2	MADUMAROV, Alexander
[819] Recycling of O-18 enriched water used in F-18 cyclotron production.	TODOROV, Boyan
[850] Hydroxyapatite nanoparticles labelled with 18F	KUKLEVA, Ekaterina
[868] Surface modification of 99mTc-HAP-NPs	SAKMÁR, Michal
[846] LABELLED SUPERPARAMAGNETIC IRON OXIDE NANOPARTICLES	SOBKULIAKOVÁ, Zuzana
[838] Pharmaceutical development of the therapeutic radiopharmaceutical based on β -emitting samarium-153 in heat-sensitive carrier for brachytherapy of tumors of various location	DUFLOT, Vladimir R

[836] Synthesis and structure of adeninium pertechnetate.	SAFONOV, Alexey
[824] Conjugation, radiolabelling and in vitro studies of VAP-P1, a vascular adhesion protein-1 targeting peptide	ČERVENÁK, Jaroslav

Poster PAR - Gallery (17:30-19:00)

[id] title	presenter
[444] Production of ^{51}Cr by proton irradiation of natV and purification by precipitation and ion exchange chromatography	MANSEL, Alexander
[660] Development of a Switchable Radioisotope Generator	LEE, Hyoung
[770] Measurements of proton-induced production cross sections for Sc radioisotopes from natural Ca	MISIAK, Ryszard
[756] Production of positron emitter radionuclide ^{68}Ga via generator $^{68}\text{Ge} \rightarrow ^{68}\text{Ga}$	BAIMUKHANOVA, Ayagoz
[741] Assessment of Staff Radiogenic Risk from radionuclide exposure at Nuclear Medicine Department	MOHAMMED , Alkhorayef
[731] Metal-Organic Frameworks as Scaffolds for Isotope Separation	SERRA CRESPO, Pablo

Jam Band Session - Marble Hall (20:00-20:50)**Singing Fountain Performance - Singing Fountain (21:00-21:30)**

Friday, 18 May

PAR 2 - Red Hall (08:30-10:00)

Conveners: Yuichi Hatsukawa; Andrey Naumov

time	[id] title	presenter
08:30	[623] On line gas phase separation of At and other halogens under ambient conditions	GAEGGELER, Heinz W.
09:00	[558] Production of Np isotopes in nuclear reactions for a standard material in accelerator mass spectrometry	YOKOYAMA, Akihiko
09:15	[512] A Novel Method to Prepare Reference Sources for Radioactivity Metrology Using Ion Exchange Membrane	CHEN, Yanliang
09:30	[752] An experimental approach to reactive transport in geomaterials: GeoPET	KULENKAMPFF, Johannes

RER 5 - Marble Hall (08:30-09:30)

Conveners: Jerzy-Wojciech Mietelski; Silvia Dulanská

time	[id] title	presenter
08:30	[435] The development of a digital gamma-gamma coincidence/anticoincidence spectrometer and its applications to monitor low-level atmospheric $^{22}\text{Na}/^{7}\text{Be}$ activity ratios in Resolute, Canada	ZHANG, Weihua
08:45	[877] Challenges for environmental restoration of the first uranium mining and milling in Brazil	DE NADAI FERNANDES, Elisabete
09:00	[694] Impact of nuclear power plants on radiocarbon in the atmosphere and biosphere of Slovakia	KONTUL', Ivan
09:15	[710] Speciation of Uranium: Validation of a database by modelling techniques and comparative experiments	SCHULTE, Vivien

RPH 2 - Marble Hall (09:30-10:00)

Conveners: Ondřej Lebeda; Veronika Mocko

time	[id] title	presenter
09:30	[689] CRAB2RABBIT solid target solution	BUNATA, Milan
09:45	[822] Radioactive Gold Nanoparticles with Beta Energy and Auger Electron Cascades In Nanomedicine: Green Nanotechnology and Radiochemical Approaches	KATTI, Kattesh

Coffee Break - Mirror Hall (10:00-10:20)

NAM 5 - Marble Hall (10:30-12:00)

Conveners: Pavol Povinec; Nora Vajda

time	[id] title	presenter
10:30	[615] Determination of iron concentration in brain tissues using PIXE method	PÁNIK, Ján
10:45	[578] Alpha-spectrometry in aqueous solution	KRUPP, Dominik
11:00	[596] Comparison of 3 radio-imagers (Cyclone™/Beaver™/μ-imager™ DFINE) to characterize radioactive emissions of ^3H , ^{14}C and natural Uranium samples.	BILLON, Sophie

11:15	[680] Methodology for the preparation and validation of plutonium age dating materials	VARGA, Zsolt
11:30	[625] Characterization concept for the disposal of radioactively contaminated mercury wastes from the decommissioning of nuclear facilities	KLAß, Larissa
11:45	[630] Study of phosphate species in soils by radioisotopic labeling	NAGY, Noemi M

SEP 5 - Red Hall (10:30-12:00)**Conveners: Mojmír Němec; Jiří Janda**

time	[id] title	presenter
10:30	[478] Deep learning approach for An/Ln separation problem	MITROFANOV, Artem
10:45	[554] Crystallization purification full scale test of U-Pu mixture	BOYTISOVA, Tatiana
11:00	[557] Study on chemical separation method for the analysis of isotope ratio of ¹³⁵ Cs to ¹³⁷ Cs in soil	SHIMADA, Asako
11:15	[620] A magnetic nanocomposite based on natural hydrocolloids for efficient removal of liquid radioactive waste	CERNIK, Miroslav
11:30	[773] Interaction of U(VI) with α -isosaccharinic acid under acidic conditions: characterization of the formed complexes	BRINKMANN, Hannes
11:45	[631] Crystal structure and solubility of radium sulfate and carbonate	MATYSKIN, Artem

Lunch - Mirror Hall (12:15-13:15)**NFC 6 - Marble Hall (13:30-14:46)****Conveners: Nick Evans; Toshihiko Ohnuki**

time	[id] title	presenter
13:30	[479] Radiochemical characterisation for a decommissioning purpose at NRG: The case of ion exchange resins	HAAß, Patrick
13:45	[652] Carbon-14 release from irradiated stainless steel	DE VISSER-TÝNOVÁ, Eva
14:00	[611] Assessment of the release behavior of ¹⁴ C from irradiated nuclear graphite from a German Research Reactor	SHCHERBINA, Natalia
14:15	[601] Radiochemical analysis of biological shielding of VVER-440 reactor for deep geological repository	POŠVAŘ, Radek
14:30	[511] "Dry" decontamination by films and pastes	VARONIK, Nadzeya

RER 6 - Red Hall (13:30-15:00)**Conveners: Michal Fejgl; Pavel P. Povinec**

time	[id] title	presenter
13:30	[531] U(VI) toxicity onto canola cells: Correlation of microcalorimetric data with cell viability and U(VI) speciation	SACHS, Susanne
13:45	[572] Strontium-90 in Polish cow milk	WIATR, Karol
14:00	[697] Role of animal teeth for estimation of environmental pollution of Sr-90 and Cs-137 just after the Fukushima Daiichi Power Plant Accident	KOARAI, Kazuma
14:15	[669] Study of ²¹⁰ Po in Indian tobacco using Liquid Scintillation Spectrometry	SCHERER, Ulrich W.
14:30	[706] Use of Digital Autoradiography to characterize the effect of acidic leaching on mobilisation of ²³⁸ U series radionuclides in ISR context.	ANGILERI, Axel

14:45	[518] Tc immobilization on gamma alumina: a study of the reductant presence and absence	MAYORDOMO , Natalia
-------	---	---------------------

Closing Ceremony - Marble Hall (15:00-15:30)

For your notes

For your notes

For your notes

For your notes

