

MON	Event	Speaker	Title	
0800	<b>Registration</b>			
0900	<b>Introduction</b>			
0915	Plenary 1	Carolyn Pearce	Environmental radioactivity at the Department of Energy's Hanford site: Sources and sinks	PL2
0945	Environmental 1	Laura Newsome	Investigating radioactive beach finds at Sellafield	O5
1000	Environmental 2	Xiaolin Hou	Environmental Radioactivity in China – Level, distribution and source of artificial radionuclides in marine and terrestrial	O10
1015	Environmental 3	Jessica Lessing	Influence of Al on the Retention of Trivalent Actinides and their Homologues on Feldspar	O42
1030	Environmental 4	Nils Sassenberg	Investigation of the migration behavior of I-125 using a laboratory lysimeter with reference soil	O48
1045	<b>Coffee/Tea break included in registration fee</b>			
1115	Environmental 5	Tobias Blenke	From concrete to plants - Phytoremediation of soil from German nuclear facilities	O58
1130	Environmental 6	Jerzy-Wojciech	Anthropogenic U-236 in Arctic and Antarctic moss and lichens	O61
1145	Environmental 7	Daming Zhang	Element and particle size fractionation during the transport of Eu(III)-silicate colloids in water saturated porous media	O71
1200	Environmental 8	Paulo Sergio Cardoso	Vertical variation of radon activity concentration in Amazon forest	O73
1215	Environmental 9	Ralf Kautenburger	Radionuclide mobility in geological formations analysed by ICP-MS and ICP-QQQ coupling methods	O74
1230	Environmental 10	Wangsuo Wu	Colloids Pose an Enhanced Transport Risk of Actinide in Saturated Porous Media	O76
1245	<b>Buffet lunch included in registration fee</b>			
1400	Speciation 1	Thibau Blanc	Speciation of Uranium (VI) in organic phase after extraction with a monoamide solvent. Experimental data acquisition	O3
1415	Speciation 2	A. Barkleit	Effect of decorporation agents on the speciation of lanthanides and actinides in artificial biofluids of the human	O4
1430	Speciation 3	Junjun Hou	Molecular Insight Into The Binding Configuration Of Strontium And Cesium On Different Swelling Phyllosilicates	O15
1445	Speciation 4	Anne Wollenberg	Investigation of trivalent actinide and lanthanide complex speciation with the cement additive PBTC	O18
1500	Speciation 5	Illarion Dovhyi	Toward new macrocycle-based Ra Resins	O32
1515	Speciation 7	Martin Heule	Applying electrochemical methods to real-life samples for radionuclide separation	O80
1530	<b>Coffee/Tea break included in registration fee</b>			
1600	Education Intro	Mojmir Nemec		
1615	Education 1	Flavia Groppi	Educational Activities on Environmental Radioactivity and Medical Applications of Radiation at University of Milano and INFN in Italy	O12
1630	Education 2	Maddalena Negrin	Virtual labs supporting radiochemistry hands-on laboratory: the Politecnico di Milano experience	O56
1645	Education 3	Alice Seibert	Open access to nuclear research infrastructures of the Joint Research Centre – A European tool for education and	O83
1700	<b>Session Finish</b>			
1900	<b>Poster session 1 with food and drink included in registration fee</b>			
2100	<b>End of session</b>			

TUES	Event	Speaker	Title	
0900	Plenary	Andy Cundy	Radioanal chemistry in the "Anthropocene"	PL1
0930	Radioanal 1	Ruslan Cusnir	Radioanal determination of <sup>225</sup> Ac and <sup>227</sup> Ac in the presence of <sup>243</sup> Am tracer using solid-phase extraction with ion-imprinted polymer resin	O7
0945	Radioanal 2	P. Vacas-Arquero	Problems and solutions to the accumulation of TODGA degradation compounds in the separation of Am by AmSel process	O9
1000	Radioanal 3	Matthew Higginson	Developments in the Radiochronometric Analysis of Actinide Materials for Nuclear Forensics	O11
1015	Radioanal 4	Yanqin Ji	Simultaneous determination of key seven radionuclides in food samples	O14
1030	Radioanal 5	Alex Tarancón Sanz	Determination of mixtures of radionuclides ( <sup>89</sup> Sr + <sup>90</sup> Sr and <sup>90</sup> Sr + plutonium isotopes) using PSresin in tandem	O20
1045	<b>Coffee/Tea break included in registration fee</b>			
1115	Radioanal 6	Veronika Meriläinen	Method development for simultaneous determination of <sup>93</sup> Mo, <sup>93</sup> Zr and <sup>94</sup> Nb in high activity steel	O21
1130	Radioanal 7	Michael Wharton	Development of a Technology for the Analysis of Tritium and other Hydrogen Isotopologues Using Raman Spectroscopy and Hollow Core Microstructured Optical Fibres	O23
1145	Radioanal 8	Van Khoai Do	Development of HCl-free analytical methods for <sup>79</sup> Se in concrete rubble by ICP-MS/MS	O30
1200	Radioanal 9	Sebastian Fichter	Development of a chemical separation strategy for r-process derived radionuclides from terrestrial and lunar geological archives	O33
1215	Radioanal 10	Sarah Lu	Enhancing The Radioanal Process Through Microfluidics: Integrated Separation and Detection of <sup>90</sup> Y in an Automated Microfluidic System	O38
1230	<b>Buffet lunch included in registration fee</b>			
1345	Radioanal 11	Tobias Weissenborn	Chemistry of individual micrometer-sized "Hot-Particles": How to measure the bioavailability of radionuclides	O45
1415	Radioanal 12	Jin O Lee	Inter-laboratory Comparison of <sup>137</sup> Cs Radioactivity in Seawater: AMP-PAN Column Chromatography vs. AMP batch Method	O52
1430	Radioanal 13	Paul Dutheil	Flow electrolysis for fast separation and analysis of radionuclides	O53
1445	Radioanal 14	Rainer Kadan	low level analysis of Sr-90 and transuranium elements in austrian aerosols	O57
1500	Radioanal 15	Marina Faure	Separation and quantification method for Pd-107 in radioactive waste	O79
1515	Radioanal 16	Michael Hofstetter	Unravelling ultra-trace lanthanide impurities in nuclear forensic evidence	O44
1530	<b>Coffee/Tea break included in registration fee</b>			
1600	Radiopharm 1	Flavia Groppi	Measurements of nuclear cross-section of production of theranostic radionuclides at LASA laboratory in Italy: focus on terbium quadruplet	O65
1615	Radiopharm 2	Sofia Khabirova	Modifying Strontium Hexaferrite Nanoparticles for Potential Theranostic Radiopharmaceuticals	O67
1630	Radiopharm 3	Pascal Grundler	Development stages of the terbium sisters for theranostics at Paul Scherrer Institute	O69
1645	Radiopharm 4	Moaz M. Abdou	Green Synthesis and Evaluation of Pyrazolone Derivatives for Iodine-131 Lung Imaging	O83
1700	<b>Session Finish</b>			
1900	<b>Poster session 2 with food and drink included in registration fee</b>			
2100	<b>End of session</b>			

WED	Event	Speaker	Title	
0900	Plenary	Ulli Koester	TBC	PL4
0930	RN Prod 1	J. Stricker	Production and identification of tailored thorium ions for fundamental physics	O1
0945	RN Prod 2	Marko Strok	Development of Au-199 separation protocol from Pt irradiated targets for theranostic applications	O17
1000	RN Prod 3	Ayagoz Baimukhanova	Reverse-Tandem Scheme of Generator for Production of Medical Radionuclides	O19
1015	RN Prod 4	Robert Eichler	IMPACT-TATTOOS - novel RN Prod in Switzerland: a design status report	O24
1030	RN Prod 5	Pablo Serra Crespo	Molybdenum nanoparticles for the production of high specific activity <sup>99</sup> Mo by the recoil effect	O35
1045	RN Prod 6	Elena Kurakina	Separation of nuclear isomers: towards the design of <sup>44g</sup> Sc/ <sup>44m</sup> Sc radionuclide generator	O37
<b>1100</b>	<b>Coffee/Tea break included in registration fee</b>			
1130	RN Prod 7	Tom Haywood	Production of Iodine-131 Using a compact fusion reactor based on Multi-State Fusion	O47
1145	RN Prod 8	Hibaaq Mohamud	Development of a rapid purification method for medical radionuclides: Erbium-165, Thulium-165 and Gadolinium-149	O51
1200	RN Prod 9	Peter Ivanov	Cyclotron Production and Radiochemical Purification of Plutonium-236	O55
1215	RN Prod 10	Ruben Veronesi	Harvesting [ <sup>68</sup> Ga]GaCl <sub>3</sub> from solid and liquid targets: a versatile and high-yielding cassette-based process	O60
1230	RN Prod 11	Laura Trump	Optimized cassette-based process for [ <sup>18</sup> F]FMZ production: an outlook to generic ArylBpin radiolabellings in GMP environment	O68
1245	RN Prod 12	Samantha Labb	Adjacent lanthanide separations for neutron capture cross section measurements at the National Ignition Facility	O66
<b>1300</b>	<b>End of Session</b>			
<b>1400</b>	<b>Optional trips</b>			

THUR	Event	Speaker	Title	
0900	Plenary	Jim Smith	Environmental Radioactivity at Chernobyl and Fukushima: the Public Communication Disasters	PL4
0930	Actinide 1	Tobias Reich	Visualisation of reactive transport of plutonium in Opalinus Clay rock using synchrotron-based microimaging techniques	O2
0945	Actinide 2	Bradley C. Childs	Thermodynamic and kinetic effects of impurities in uranium alloys	O6
1000	Actinide 3	Abderrazak Masmoudi	Experimental Studies and Molecular Modeling of the Physico-chemical Properties of Pure Monoamides Extractants for Uranium and Plutonium Extraction	O28
1015	Actinide 4	Roland Meier	Solubility of An(III) in saline solutions in presence of organic compound	O29
1030	Actinide 5	Mathilde Goujet	Reactivity of actinides mono-cations with NH <sub>3</sub> in gas phase: A study using ICP-MS and quantum chemistry	O31
<b>1045</b>	<b>Coffee/Tea break included in registration fee</b>			
1115	Actinide 6	Dennis Grödler	Heterobimetallic pyridyloxy complexes of tetravalent actinides and group 10 elements	O34
1130	Actinide 7	David Fellhauer	Synthesis, characterization and solubility of M-Pu(VI)-O(H) solid phases	O40
1145	Actinide 8	Sarah Duckworth	Solubility study of U(VI) with aqueous silicates and citrate in (hyper)alkaline medium ionic strength solutions	O41
1200	Actinide 9	Liam Abrahamsen-Mills	Understanding the fate of Tc(IV) and U(IV) upon air exposure	O46
1215	Actinide 10	Samer Amayri	Influence of gluconate on plutonium uptake by hardened cement paste under low and high ionic strength	O49
<b>1230</b>	<b>Buffet lunch included in registration fee</b>			
1345	Actinide 11	Filip Kolesar	Improving americium/curium separation factors in the AmSel process through symmetry lowering of the diglycolamide extractant	O50
1415	Actinide 12	Robert Gericke	From Monometallic To Heterotrimetallic – A Comparison On Actinide Complexes Featuring An 8(+2)-fold Coordination	O75
1430	Actinide 13	Tatiana Plakhova	Understanding Neptunium Behavior in Carbonate-Containing Solutions with Alkaline and Alkaline Earth Cations	O77
1445	Actinide 14	Till Erik Sawallisch	Series of Isostructural Bimetallic Actinide Complexes with the Phthalimidinyl Ligand	O78
1500	Actinide 15	Jonas Stracke	2,6-Bis(5-(tert-butyl)-1H-pyrazol-3-yl)pyridine. Effects of the peripheral aliphatic sidechain on the coordination of Actinides(III) and Lanthanides(III).	O22
<b>1515</b>	<b>Coffee/Tea break included in registration fee</b>			
1530	Transactinide 1	Georg Tiebel	Evaluation of the ion funnel-to-IVAC system for the rapid chemical characterization of superheavy elements	O39
1600	Transactinide 2	Pavel Bartl	Aqueous chemistry of Tl chlorides from the Nh chemistry perspective	O59
1615	Transactinide 3	Patrick Steinegger	Exploring the bottom of the periodic table: The chemistry of (super)heavy elements	O70
1630	Transactinide 4	Rugard Dressler	Isothermal gas chromatography experiments under non-optimal conditions: the case of adsorption enthalpies of Tl and TlOH on fused silica	O72
<b>1645</b>	<b>Session Finish</b>			
<b>1900</b>	<b>Conference Dinner in Grand Hotel, included in registration fee</b>			
<b>2200</b>	<b>End of Dinner</b>			

<b>FRI</b>	<b>Event</b>	<b>Speaker</b>	<b>Title</b>	
0900	Plenary	Kath Morris	TBC	PL2
0930	NFC 1	Xiaohan Pan	Removal of radioactive silver and iodine by amino adsorbents synthesized via simultaneous gamma-ray induced radiation grafting	O8
0945	NFC 2	Qiang Dou	Redox behavior and distribution of nuclides in fluoride molten salt	O13
1000	NFC 3	Joshua Weatherill	Radiological characterisation of magnox fuel element debris (FED) at Oldbury and Sizewell A to facilitate low level waste (LLW) disposal	O25
1015	NFC 4	Lewis Blackburn	Progress Towards the Immobilisation of the UK Plutonium Inventory in Titanate Ceramics	O26
1030	NFC 5	Alex Stone	Effect of Gamma Radiation on Alternative Polymers for use in the Nuclear Industry	O27
1045	NFC 6	Sandra Baur	Diffusive transport of radionuclides (Cl-36 and H-3) measured by LSC and AMS	O36
<b>1100</b>	<b>Coffee/Tea break included in registration fee</b>			
1130	NFC 7	Alan Fisher	Underpinning confidence in irradiated graphite inventories in support of an integrated graphite management strategy	O43
1145	NFC 8	Tongyu Xu	A Microfluidic Technique for Studying Dissolution Mechanism of Uranium from Simulated Nuclear Fuel Debris	O54
1200	NFC 9	Elena Macerata	A more sustainable and cost-effective spent nuclear fuel reprocessing by Hydrophobic Eutectic Solvents	O62
1215	NFC 10	Cooper R. T. Smylie	Developing surrogates to understand structure & reactivity of the UK's special nuclear material	O64
1230	NFC 11	Yiwei Zhang	Studies on Aggregation and Dissolution of Cerium Oxide Nanoparticles from Nuclear Fuel Debris	O81
1245	NFC 12	Juuso Sammaljärvi	Radionuclides' transport in cementitious materials	O82
<b>1300</b>	<b>Close</b>			