RadChem 2022

Tuesday, 17 May 2022

Nuclear Analytical Methods: NAM 1 - Marble Hall (08:30 - 10:00)

   -**Conveners: Jan Kučera; Xiaolin Hou**

time	[id] title	presenter
08:30	[993] Radiochemical analysis for radiological characterization of decommissioning waste - determination of 126Sn and 93Mo	HOU, Xiaolin
09:00	[997] Combined radiochemical separation and multicollector ICP-MS approach to determine 135Cs and 135Cs/137Cs isotopic ratio	Mr GALLUCCIO, Francesco
09:20	[922] CONTRIBUTION OF MASS SPECTROMETRY TO THE ENHANCEMENT OF OBJECTIVES OF RADIOLOGICAL CHARACTERIZATION IN ENVIRONMENTAL SAMPLES	Mrs AUGERAY, Céline
09:40	[930] Investigation of a new approach for 36Cl determination using plastic scintillators	LLOPART, Ines

Nuclear Analytical Methods: NAM 2 - Red Hall (13:30 - 15:00)

   -**Conveners: Clemens Walther; Zsolt Révay**

time	[id] title	presenter
13:30	[963] Comprehensive characterization of Single Hot particles: from isotopic composition to bioavailability	WALTHER, Clemens
14:00	[897] Development of new low-level method for the analysis of iodine 129 and the isotopic ratio 129I/127I determination	Ms CARRIER, Coralie
14:20	[919] Analysis of isotopic composition of inhomogeneous samples by LA-MC-ICP-MS	VARGA, Zsolt
14:40	[960] Use of radiotracers to evaluate the bioaccessibility of essential minerals from dairy products	Dr DE KRUIJFF, Robin

Nuclear Analytical Methods: NAM Poster - Gallery (17:15 - 18:45)

time	[id] title	presenter
17:15	[911] Influence of various organic solvents on the performance of a newly designed scintillation cocktail	Mr RAJCHL, Erik
17:20	[955] Analysis for Radioactivity of Negative Ion Powder	XU, Ping
17:25	[956] Measurement of Alpha-emitting Therapeutic Radiopharmaceutical Ra-223 Dichloride Injection by Different Source-Detector Distances γ-spectrum Method	GU, Xianbao
17:30	[975] Radiometric analysis of potassium, radium and uranium levels in Brazil nuts	IOANNIDIS, Ioannis
17:35	[987] Separation and determination of molybdenum-93 in concrete and steel leachate and other waste from nuclear power plants	HOROVA, Katerina
17:40	[1005] Simultaneous determination of organically bound tritium and radiocarbon by Liquid Scintillation method	CHIPANOVSKA, Natasha

17:45	[1025] Novel sample preparation approach to investigate C-14 from iron materail	Dr MOLNÁR, Mihály
17:50	[1034] Uranium-Isotopes in Austrian Groundwater measured by QQQ-ICP-MS and Alphaspectroscopy	DAMBERGER, Viktoria
17:55	[1039] DETERMINATION OF 129I BY ACCELERATOR MASS SPECTROMETRY IN FORENSIC ANALYSIS	MINDOVÁ, Miriam
18:00	[1058] Application of SIMS and SEM to analysis of environmental swipes for nuclear safeguards	ELANTYEV, Ivan
18:05	[1072] Status report of the first AMS laboratory in the Czech Republic at NPI, Řež	Prof. KUČERA, Jan
18:10	[1074] Potential of INAA in elemental analysis of heroin, cocaine, and methamphetamine	Dr KAMENÍK, Jan
18:15	[1081] Cosmic-ray burial dating of an Early to Middle Pleistocene hominin site: physical and chemical sample treatment and purity control via ad-hoc mass spectrometry scans	Dr GARBA, Roman
18:20	[1087] Discrimination of cat and dog foods using neutron activation analysis and machine learning	Mr LIMA, Robson C.
18:25	[1088] Sugarcane quality in the sugar-energy agribusiness assessed by neutron activation analysis	Mr FURLAN, Gustavo Nazato
18:30	[1076] Development of an integrated on-line monitoring system for Tritium and radioactive carbon using robotics technology	SONG, Youngju
18:35	[1080] COMPOUND SPECIFIC RADIOCARBON DATING OF POTTERY VESSELS FROM THE LATE LA TENE SITE SKLARSKE VALLEY (SUMAVA MOUNTAINS, CZECH REPUBLIC)	BRYCHOVA, Veronika

Wednesday, 18 May 2022

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

  -Conveners: Amares Chatt; Elisabete De Nadai Fernandes

time	[id] title	presenter
10:30	[936] Nuclear analytical facilities on a cold neutron beam at MLZ, Garching	RÉVAY, Zsolt
11:00	[1000] Neutron Activation Analysis at MLZ	Dr STIEGHORST, Christian
11:20	[1084] Elemental profile of tail hair by neutron activation analysis for beef genetic authentication	Mrs MOREIRA, Gabriele R.
11:40	[1068] Neutron activation analysis and X-ray fluorescence analysis of vehicle glasses for forensic purposes	Dr KAMENÍK, Jan

Thursday, 19 May 2022

Nuclear Analytical Methods: NAM 4 - Red Hall (08:30 - 10:00)

  -Conveners: Christian Stieghorst; Jan Kameník

time	[id] title	presenter
08:30	[995] Determination of nanogram levels of copper in a variety of matrices using instrumental, preconcentration and radiochemical neutron activation analysis	Prof. CHATT, Amares
09:00	[977] Feasibility study on the use of neutron activation analysis for nuclear forensics: Determination of elemental impurities in uranium materials after pre-irradiation removal of uranium	Prof. KUČERA, Jan
09:20	[992] Utilization of fluoride target sample material for 239Pu measurement with MILEA AMS	Ms FENCLOVÁ, Katerina
09:40	[1086] Application of fluoride target materials in AMS measurement of uranium isotopes	PRÁŠEK, Tomáš

Friday, 20 May 2022

Nuclear Analytical Methods: NAM 5 - Red Hall (08:30 - 10:00)

-**Conveners: Céline AUGERAY; Jiří Janda**

time	[id] title	presenter
08:30	[917] Neutron-irradiated concrete: Structural characterisation and gamma dosimetry.	Ms ROODE-GUTZMER, Quirina
08:48	[909] The new electroplating solution based on a citric-oxalic-sulfate matrix	JANDA, Jiří
09:06	[996] DEVELOPMENT OF MODIFIED GRAPHENE BASED ELECTRODE FOR ANALYSIS OF URANIUM IN AQUEOUS SOLUTIONS	Dr STRAKA, Martin
09:24	[1001] Determination of the alpha-activity from samples with an extremely strong background of beta-emitting radionuclides by liquid scintillation counting	ZIVADINOVIC, Ivan
09:42	[932] Development of a PSkit for the Fast and Selective Analysis of 99Tc in Decommissioning Samples	BAGÁN, Héctor