

Programm: Anwendertreffen Plasmaspektrometrie 20.3.2018

Zeit	Sitzung	Titel	Vortragender
08:00			
08:10			
08:20			
08:30		Registrierung	
08:40			
08:50			
09:00			
09:10		Eröffnung	
09:20	key note 1	Entwicklungen und Anwendungen von neuartigen Plasmaquellen	Pushing the Boundaries of Plasma-Based Chemical Analysis: Alternatives to the Inductively-Coupled Plasma for Atomic Spectrometry
09:30			
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09:50	oral 1		Ausführlicher Bericht über die US Amerikanische Winter Conference on Plasma Spectrochemistry
10:00			
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10:20	oral 2		The halo-FAPA as Excitation and Ionization Source in Emission and Mass Spectrometry
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11:00		Pause	
11:10	key note 2	Entwicklungen und Anwendungen von ICP- und anderen Plasmaquellen	Progress and new possibilities in elemental analysis of environmental samples using ICP-MS/MS and MC ICP-MS
11:20			
11:30			
11:40	oral 3		Online-Lasil for Determination of Thin Film Stoichiometry
11:50			
12:00	oral 4		Quantitative analysis of potentially hazardous decomposition products of lithium ion battery electrolytes
12:10			
12:20	oral 5	Potential der ETV-ICP OES als prozessbegleitende Feststoffanalysenmethode	
12:30			
12:40	oral 6	Entwicklung einer teilautomatisierten ETV-Einheit auf Basis einer Wolframwendel für die quant. Bestimmung von Spurenelementen in komplexen Matrices mittels ICP-OES	
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14:00		Pause	
14:10	oral 7	Entwicklungen und Anwendungen von ICP- und anderen Plasmaquellen	Visualization of myocardial infarction - Complementary bioimaging of Gadofluorine P in mouse heart tissue
14:20			
14:30	oral 8		Forensic Investigation of PVC Tape Backings by LA-ICP-MS
14:40			
14:50	oral 9	Pulsed Laser Ablation in Liquids (PLAL) as digestion method for ICP-OES	
15:00			
15:10	oral 10	Time resolved monitoring of particles formed during laser ablation ICP-MS	
15:20			
15:30			
15:40		Pause	
15:50	oral 11	Entwicklungen und Anwendungen von ICP- und anderen Plasmaquellen	Comparison of Calibration Strategies for Direct Analysis of Highly Volatile Organics by HR Array ICP-OES
16:00			
16:10	oral 12		Exploring variations in the three-isotope space: A new approach and application to magnesium isotope fractionation in the mammal food web
16:20			
16:30	oral 13		Combination of Different Elemental Analysis Methods with Isotope Dilution Analysis by Means of Plasma-Based Mass Spectrometric Techniques
16:40			
16:50	oral 14	Hochpräzision mit der ICP-OES – Was ist an realen Beispielen und in der Routine möglich ?	
17:00			
17:10	oral 15	Compact Adaptive Spectrometer Systems for ICP-OES	
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18:40			
18:50		get together	

Programm: CANAS

21.3.2018

Zeit		Sitzung	Titel	Vortragender
08:00				
08:10				
08:20				
08:30				
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09:00			Eröffnung	
09:10	key note 3	Nano- und Einzelpartikel und - Zell Analytik	From Single Particle to Single Cell ICP-MS: Development and Applications	Jörg Bettmer, Uni Oviedo
09:20				
09:30				
09:40	oral 16		Size Determination of Gold Nanoparticles by High-Resolution Continuum Source Graphite Furnace Atomic Absorption Spectroscopy	Anja Brandt, Uni Ulm
09:50	oral 17		Asymmetrical Flow Field-Flow Fractionation hyphenated with ICP-MS – A promising tool for trace analysis of engineered silver nanoparticles in environmental samples	Florian Meier, Postnova, Landsberg
10:00	oral 18	Selection of spectral parameters for determination of a new element, silicon, using high-resolution continuous source flame molecular absorption spectrometry	Zofia Kowalewska, Uni Warswa, Polen	
10:20				
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10:50			Pause	
11:00				
11:10	oral 19	Nano- und Einzelpartikel und - Zell Analytik	Single Particle ICP-MS for Reaction Monitoring of Gold and Silver Nanoparticles	Joshua Fuchs, Uni Münster
11:20				
11:30	oral 20		Nanoparticles separation using Asymmetric Flow-Field-Flow Fractionation (AF4) and Capillary Electrophoresis (CE)	Zengchao You, BAM, Berlin
11:40	oral 21		Studies on the separation and quantification of nanoparticles and ionic species of iron in Caco-2 cells by HPLC-ICP-MS	Jenifer Garcia-Fernandez, H.-Uni und BAM, Berlin
11:50	key note 4		Natural Nanoparticles: from Petrochemical to Pilot Whales	Eva Krupp, Uni Aberdeen
12:00				
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12:40	oral 22	Effect of zinc oxide nanoparticles on the trace element contents of soils	Asli Baysal, Uni Istanbul	
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13:30			Pause	
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14:00	oral 23	Elektrothermische Verdampfung als Probeneintrag in der ICP-OES	Verwendung der Elektrothermischen Verdampfung gekoppelt mit Atomemissions-spektroskopie (ETV-ICP-OES) in der Analyse von kleinen Mengen der organischen und biologischen Proben	Stanislava Matejkova, Akad.d.Wiss., Prag, Czech
14:10	oral 24		Material analysis of solid fuels by ETV-ICP-OES	Dirk Wuestkamp, Spectro Kleve
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14:50			Poster 1	
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15:30			Pause	
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15:40	oral 25	Neue Anwendungen der ICP-MS in der Speziationsanalyse	Miniaturized SPME method using a polystyrene-oleic acid-imidazole copolymer in micropipette tip of syringe system for speciation and determination of antimony in water and env. samples	Mustafa Tuzen, Uni Tokat, Turkey
15:50	oral 26		Quantification of sulfamethoxazole degradation products using HPLC/ICP-MS	Kevin Eckey, Uni Münster
16:00	oral 27		Development of reference materials for X-ray near edge spectroscopy at a laboratory setup	D.A. Motz, Uni Hannover
16:10	oral 28		Investigations on the adduct formation of proteins and organic mercury species in biological samples by means of size exclusion chromatography coupled to ICP-MS	Philipp Strohmidel, Uni Münster
16:20	oral 29		Selenium Speciation in Neurodegeneration	Desiree Willkommen, HZ München
16:30	oral 28		Investigations on the adduct formation of proteins and organic mercury species in biological samples by means of size exclusion chromatography coupled to ICP-MS	Philipp Strohmidel, Uni Münster
16:40	oral 29		Selenium Speciation in Neurodegeneration	Desiree Willkommen, HZ München
16:50	key note 5		The new role of ICPMS in speciation analysis: the decade of the non-metals	Jörg Feldmann, Uni Aberdeen
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Program: CANAS/ESAS 22.3.2018

time		session	title key	speaker		
08:30	oral 30	Echelle Spectrometers and High Resolution Spectroscopy (dedicated to Stefan Florek and the ISAS-Berlin group)	Development of Echelle-Spectrometers in Berlin – a forty-year lasting story and a homage to Dr. Stefan Florek	Helmut Becker-Ross, ISAS Berlin		
08:40						
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09:00	oral 31				Benefits and some limitations of High-resolution Continuum Source Atomic and Molecular Absorption Spectrometry	Bernhard Welz, Uni Florianopolis, Brazil
09:10						
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09:30	oral 32				Direct analysis by HR-CS GF-AAS. Exploring your instrument to the fullest with minimal effort	Mauana Schneider, Uni Florianopolis, Brazil
09:40						
09:50	oral 33		Stable isotope analysis via hydrides using molecular absorption spectrometry	Carlos Abad, BAM, Berlin		
10:00						
10:10	oral 34		HR-CS-GFMAS – a Powerful Tool for Fluoride Analysis in River Water Samples	Björn Meermann, BAFG, Koblenz		
10:20						
10:30	break					
10:40						
10:50	key note 6	Dedicated Sampling Methods and Strategies for ICP Spectrometry	Laser Ablation ICP-MS Imaging of Historic Documents	Barbara Wagner		
11:00						
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11:20	oral 35		Determination of High Field Strength Elements (HFSE) in Soil & Mineral Samples by ICP Spectrometry after Microwave-Assisted High-Pressure Acid Digestion	Michael Raessler, MPI für Biogeochemie, Jena		
11:30						
11:40	oral 36		Investigation of 6Li-Isotope Labeled Lithium Ion Battery Electrodes by means of Plasma-based Techniques	Marco Evertz, MEET, Münster		
11:50						
12:00	oral 37	A Laser Ablation ICP-MS Method for the Investigation of Lithium Ion Battery Electrodes	Sascha Nowak, MEET, Münster			
12:10						
12:20	oral 38		Determination of the toxic element concentration of Ayurvedic products and investigation of their arsenic content bioaccessibility	Gyula Záray, Uni Budapest, Hungary		
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12:40	oral 39		Accuracy of Results Via Reference Materials for Atomic and Molecular Mass Spectrometry	Ewa Bulska, Uni Warsaw, Poland		
12:50						
13:00	break					
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14:00	key note 7	Modern Analytical Spectroscopy using Innovative Plasma Excitation Sources as Alternatives to ICP	Elemental, small molecule, and biopolymer detection with a single plasma source	Jake Shelley, Troy, NY, USA		
14:10						
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14:30	oral 40		The halo-FAPA as Ionization Source in GC-MS: Influence of the Analytes' Physical and Chemical Properties on the Ionization Efficiency and Sensitivity	Nathalie Pilger, Uni Mainz		
14:40						
14:50	oral 41		Measurement Uncertainty – Quo Vadis?	David Milde, Uni Olomouc, Czech Republic		
15:00						
15:10	oral 42	Simultaneous VUV, Broadband UV-NIR and Narrow High-resolution plasma spectroscopy for CF-LIBS	P. Veis, Uni Bratislava, Slovakia			
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15:30	key note 8		Laser Induced Breakdown Spectroscopy-Current Status and Progress	Gabor Galbacs, Uni Szeged, Hungary		
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16:00	Poster 2					
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17:00	Bus Transfer					
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17:50	conference dinner					
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**Program: ESAS
23.3.2018**

time		session	title key	speaker
09:00	key note 9	Element, Element Species, and Imaging Analysis	Addressing medical challenges with multimodal imaging and speciation analysis	Uwe Karst, Uni Münster
09:10				
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09:30	oral 43		Study of iodine uptake and translocation processes in a bean-sandy soil system by ICP-MS	Péter Dobosy, MTA, Budapest
09:40				
09:50	oral 44		Recommended Analytical Methods for Global Monitoring of Mercury in Marine Environment	Emilia Vasileva, Int. Atom. Energy Ag., Monaco
10:00				
10:10	oral 45		A new AFS method for direct and reagent-free biomonitoring of Mercury traces in human urine	Maria Schlatthauer, Uni Ulm
10:20				
10:30	break			
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11:00	key note 10	Element and Element Species Analysis	Mercury Determinations in Environmental Samples - Current Possibilities and Challenges	Erik Björn, Uni Umea
11:10				
11:20				
11:30	oral 46		One Step Separation of Cr(III) and Cr(VI) with Three Liquid Phase Extraction System	Y. Bakircioglu Kurtulus, Uni Edirne, Turkey
11:40				
11:50	oral 47		Microanalysis and microscopy of the elements and their species using X-ray based methods	Ursula E.A. Fittschen, Uni Clausthal-Zellerfeld
12:00				
12:10	oral 48		Challenges of the pharmaceutical industry: TXRF analysis of catalyst and nutrient elements	Armin Gross, Bruker
12:20				
12:30	key note 11		Hydride Generation for Speciation Analysis of Arsenic	Stanislav Musil, Akad. of Science, Brno, Czech Rep.
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13:00	break			
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14:00	oral 49	Medical Applications and Bioimaging Using ICP-MS	LA-ICP-MS focused on bio-analysis	T. Vaculovic, Uni and CEITEC Brno, Czech Republic
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14:20	oral 50		Multimodal elemental and molecular imaging analysis of drugs on abuse on blotter papers	Michael Holtkamp, Uni Münster
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14:40	oral 51		LA-ICP-MS for the Investigation of New Therapeutic Approaches for Wilson's Disease	Jennifer-Christin Müller, Uni Münster
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15:00	key note 12		Nanopharmaceuticals in cell models: New analytical tools and remaining challenges	Maria Montes-Báyon, Uni Oviedo, Spain
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15:20				
15:30	oral 52		A new approach of antibodies labeling (NPs) by immunoassay with LA-ICP-MS detection	Michaela Trvdonova, Uni and CEITEC Brno, Czech Rep.
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15:50	closing			
16:00				