

First day, Thursday 22.11.2012

8:40	Welcome, opening remarks (Bohumír Strnadel, Tomáš Ocelka, Lucie Obalová) – location: lecture hall NA2 VSB
Industrial applications (Chair: Lucie Obalová)	
This section is financed by the Institute of Environmental Technology, reg. no. CZ.1.05/2.1.00/03.0100 supported by Operational Programme Research and Development for Innovation and by the Institute Development Project.	
9:00	Catalytic decomposition of N₂O – from laboratory experiments to industrial application L. Obalová ¹ , K. Jiratová ² , K. Karásková ¹ , F. Kovanda ³ ¹ VSB-TU Ostrava, IET, ² ICPF ASCR, Prague, ICT Prague, Czech Republic
9:30	Modified minerals as new catalysts for selective reduction of NO_x with ammonia L. Chmielarz ¹ ¹ Jagiellonian University Krakow, Poland
10:00	The possibility of increasing the production of methane in biogas station Pustějov J. Rusín ¹ , K. Chamrádová ¹ , K. Kašáková ¹ , K. Obroučka ¹ ¹ VSB-TU Ostrava, IET, Czech Republic
10:15	Coffee Break
11:00	Method for destruction of selected halogenated chemicals T. Ocelka ¹ , S. Nikl ² ¹ IPH Ostrava, ² E&H services, Inc., Czech Republic
11:30	Organochlorine pesticides and polychlorinated biphenyls in air and soil across Azerbaijan G. Aliyeva ¹ ¹ Caspian Center for Energy and Environment, ADA, Azerbaijan
12:00	Catalytic filters for soot combustion A. Kotarba ¹ ¹ Jagiellonian University Krakow, Poland
12:30	Lunch
	Poster Session
Passive sampling and analytical methods (Chair: Tomáš Ocelka)	
This poster session and session is financed by the Institute of Environmental Technology, reg. no. CZ.1.05/2.1.00/03.0100 supported by Operational Programme Research and Development for Innovation and by the Institute Development Project.	
14:00	Identification of nanomaterials in ambient air K. Lach ¹ , P. Danihelka ² ¹ IPH Ostrava, Czech Republic, ² VSB-TU Ostrava, FSE, Czech Republic
14:30	Methods for measurement of endocrine disruption chemicals in biotic and environmental samples S. Mach ¹ , R. Grabic ² ¹ IPH Ostrava, NRL for POPs, Czech Republic, ² University of South Bohemia, České Budějovice, Czech Republic
15:00	Strategy for application of passive sampling techniques for water and ambient air monitoring Ch. Harman ¹ ¹ NIVA, Oslo, Norway
15:30	Coffee Break
	Poster Session
Data analytical methods (Chair: Milan Meloun)	
This section is financed by the Institute of Environmental Technology, reg. no. CZ.1.05/2.1.00/03.0100 supported by Operational Programme Research and Development for Innovation and by the Institute Development Project.	
16:00	The analysis of soil cores polluted with certain metals using the BoxeCox transformation M. Meloun ¹ ¹ University of Pardubice, Czech Republic
16:30	A protocol for complex environmental data analysis using R-project™ L. Pavliska ¹ , T. Ocelka ² ¹ E&H services, Inc., Czech Republic, ² IPH Ostrava, NRL for POPs, Czech Republic
17:00	Robust approach for environmental and health practice: novel paradigm for data treatment and analysis Z. Wagner ¹ , T. Ocelka ² , L. Pavliska ³ ¹ ICPF ASCR, Prague, Czech Republic, ² IPH Ostrava, Czech Republic, ³ E&H services, Inc., Czech Republic
17:30	Platelet concentrate to Dermo-Epidermal Skin Graft reduces scarring: a case study for application of robust data analysis V. Procházková ¹ , H. Klosová ¹ , T. Ocelka ² , L. Pavliska ³ , D. Šalounová ⁴ ¹ Faculty Hospital Ostrava, ² IPH Ostrava, CR, ³ E&H services, Inc., ⁴ VSB-TUO, EF, Czech Republic
18:00	Discussion
20:00	Social Programme, Banquet with music performance – only for invited guests

Second day, Friday 23.11.2012

8:25	Opening remarks to Second day (Bohumír Strnadel, Tomáš Ocelka, Daniela Plachá) - location: lecture hall NA2 VSB
Nanomaterials and environment (Chair: Daniela Plachá) This section is financed by the Nanotechnology – the basis for international cooperation project, reg. no. CZ.1.07/2.3.00/20.0074 supported by Operational Programme Education for Competitiveness funded by Structural Funds of the European Union and state budget of the Czech Republic.	
8:30	Nanomaterials for environmental applications <u>D. Plachá</u> ¹ , K. Barabászová ¹ ¹ VSB-TU Ostrava, Nanotechnology Centre, Czech Republic
9:00	Evaluation of nanomaterials risks <u>J. Kukutschová</u> ¹ ¹ VSB-TU Ostrava, Nanotechnology Centre, Czech Republic
9:30	Role of genotoxicity assessment in nanomaterials production K. Malachová ¹ , <u>J. Červený</u> ¹ , Z. Jaskóová ¹ ¹ Ostrava University, Faculty of Science, Czech Republic
10:00	Perspectives of nanoparticles in pharmacy <u>J. Jampílek</u> ^{1,2} ¹ Research Institute for Pharmacy and Biochemistry, Brno, Czech Republic, ² Faculty of Pharmacy, University of Veterinary and Pharmaceutical Sciences Brno, Czech Republic
10:30	Coffee Break
Testing and problems of pharmaceuticals (Chair: Josef Jampílek) This section is financed by the Institute of Environmental Technology, reg. no. CZ.1.05/2.1.00/03.0100 supported by Operational Programme Research and Development for Innovation and by the Institute Development Project.	
11:00	Liposomes as a transport system of encapsulated drugs <u>J. Zubik-Rownicka</u> ¹ , A Sulkowska ¹ , <u>W. Sulkowski</u> ² ¹ Medical University of Silesia, Department of Physical Pharmacy, Katowice, Poland ² University of Silesia, Department of Environmental Chemistry nad Technology, Katowice, Poland
11:30	Issues of development and production of active pharmaceutical ingredients and finished dosage forms from the point of view of safety assurance, with particular attention to import from third countries <u>J. Dohnal</u> ^{1,2} ¹ Research Institute for Pharmacy and Biochemistry, Brno, Czech Republic, ² Faculty of Pharmacy, University of Veterinary and Pharmaceutical Sciences Brno, Czech Republic
12:00	Problem of counterfeit medicines: Causes of existence and possible ways of solving <u>V. Stukina</u> ¹ ¹ Faculty of Pharmacy, University of Veterinary and Pharmaceutical Sciences Brno, Czech Republic
12:30	Dissolution testing as a tool in quality assurance of pharmaceuticals <u>M. Culen</u> ^{1,2} ¹ Research Institute for Pharmacy and Biochemistry, Brno, Czech Republic, ² Faculty of Pharmacy, University of Veterinary and Pharmaceutical Sciences Brno, Czech Republic
13:00	Discussion, closing remarks

Workshops of IET

Workshops are financed by the Institute of Environmental Technology, reg. no. CZ.1.05/2.1.00/03.0100 supported by Operational Programme Research and Development for Innovation and by the Institute Development Project.

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Recent trends in the instrumental analysis – location: Business incubator 332 VSB-TUO (Chair: Tomáš Ocelka and Romana Kurková)	
9:00	Is There Perfect Detector for HPLC/MS/MS System? <u>T. Bienkowski</u> ¹ ¹ Scientific Expert from AB SCIEX Warszawa, Poland
9:30	General Unknown Screening and Targeted Approach in LC/MS/MS Measurements <u>T. Korba</u> ¹ ¹ Scientific Expert from AB SCIEX Prague, Czech Republic
10:00	High Resolution Mass Spectrometry Screening for Pesticides and Toxicology Compounds <u>D. Vláčil</u> ¹ ¹ Scientific Expert from BRUKER, Czech Republic
10:30	Coffee Break
10:50	The Development of Qualitative and Quantitative Analysis for Determination Phenolics Compounds <u>J. Nezval</u> ¹ ¹ University of Ostrava, Czech Republic
11:05	Ibuprofen Analysis by Flow Injection Method <u>M. Mucha</u> ¹ ¹ University of Ostrava, Czech Republic
11:20	Liquid Chromatography and Two-dimensional Liquid Chromatography Coupled to MS/MS or HRMS in Analysis of Emerging Pollutants <u>R. Grabic</u> ¹ ¹ University of South Bohemia in České Budějovice, Czech Republic
12:05	High-resolution Accurate Mass (HRAM) Liquid Chromatography-Mass Spectrometry (LCMS) for Life Science Applications <u>P. Verner</u> ¹ , <u>M. Godula</u> ¹ ¹ Scientific Experts from Thermo Fisher Scientific, Czech Republic
12:35	Lunch in lecture hall NA2
13:35	Fish as Bioindicator of Environmental Pollution: Using GC-MS/MS Technique as an Efficient Tool for Control <u>J. Hajšlová</u> ¹ , <u>K. Kalachová</u> ¹ ¹ ICT Prague, Czech Republic
14:05	Tandem MS in analysis of food/environmental contaminants <u>J. Hajšlová</u> ¹ ¹ ICT Prague, Czech Republic
15:05	Open Discussion

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Passive sampling and its perspectives for environmental applications - location: Business incubator 332 VSB-TUO (Chair: Tomáš Ocelka)	
9:00-13:00	Passive sampling techniques: from theory to practical applications <u>Ch. Harman</u> ¹ ¹ NIVA, Oslo, Norway