

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 <u>L. Obalová</u> 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 <u>L. Chmielarz</u> ¹ ¹ Jagiellonian University Krakow, Poland
10:00	The possibility of increasing the production of methane in biogas station Pustějov <u>J. Rusín</u> ¹ , <u>K. Chamrádová</u> ¹ , <u>K. Kašáková</u> ¹ , <u>K. Obroučka</u> ¹ ¹ VSB-TU Ostrava, IET
10:30	Coffee Break
11:00	Method for destruction of selected halogenated chemicals <u>T. Ocelka</u> ¹ , <u>S. Nikl</u> ² ¹ IPH Ostrava
11:30	Identification of sources based on chemicals on dust particles <u>H. Raclavská</u> ¹ , <u>L. Obal</u> ² , <u>K. Raclavský</u> ¹ , ¹ VSB-TU Ostrava, IET, ² TESO Ostrava, Ltd.
12:00	Catalytic filters for soot combustion <u>A. Kotarba</u> 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 <u>K. Lach</u> ¹ , <u>P. Danihelka</u> ² ¹ IPH Ostrava, Czech Republic, ² VSB-TU Ostrava, FSE
14:30	Methods for measurement of endocrine disruption chemicals in biotic and environmental samples <u>S. Mach</u> ¹ , <u>R. Grabic</u> 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 <u>Ch. Harman</u> ¹ ¹ NIVA, Oslo, Norway
15:30	Coffee Break
Poster Session	
Data analytical methods (Chair: Dana Šalounová)	
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	A protocol for complex environmental data analysis using R-project™ <u>L. Pavliška</u> ¹ E&H services, Inc., Czech Republic
16:30	Robust approach for environmental and health practice: novel paradigm for data treatment and analysis <u>Z. Wagner</u> ¹ , <u>T. Ocelka</u> ² , <u>L. Pavliška</u> ³ ¹ ICPF ASCR, Prague, Czech Republic, ² IPH Ostrava, Czech Republic, ³ E&H services, Inc., Czech Republic
17:00	Platelet concentrate to Dermo-Epidermal Skin Graft reduces scarring: a case study for application of robust data analysis <u>V. Procházká</u> ¹ , <u>H. Klosova</u> ¹ , <u>T. Ocelka</u> ² , <u>L. Pavliška</u> ³ , <u>D. Šalounová</u> 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, <u>Jiří Červeň</u> 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: Jiří Dohnal) 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	Binding drugs to human serum albumin. In-vitro spectrofluorimetric study J. Zubik-Rownicka ¹ , <u>A. Sulkowska</u> ¹ ¹ Medical University of Silesia, School of Medicine in 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.

Thursday 22.11.2012

	Recent trends in the instrumental analysis – location: Business incubator 332 VSB-TUO Chair: Tomáš Ocelka and Romana Kurková)
9:00-15:00	Environmental and Health Applications of Advanced Instrumental techniques Analytical experts and special guests

Friday 23.11.2012

	Passive sampling and its perspectives for environmental applications - location: Business incubator 231 VSB-TUO (Chair: Tomáš Ocelka)
9:00-13:00	Passive sampling techniques: from theory to practical applications ¹ Ch. Harman ¹ NIVA, Oslo, Norway