The 2nd year of PETrA 2013 Conference on Air Pollution is organized by Odour, Ltd with the cooperation of the Czech Society of Chemical Engineering (CSCHE). The event is held under the auspices of the Czech Ministry of the Environment, Charles University in Prague and Institute of Chemical Technology in Prague. It is dedicated to the protection of the global climate. It aims to focus experts from around the world on introducing the latest scientific and practical knowledge in the matter and to exchange experiences in an effort to find mutual ways to collaborate. The conference is intended for researchers and the wider public concerned about the given issue.

Preliminary Program (Subject to Change)
5th June 2013

10:00 - 10:45 Opening
10:50 - 11:10 Methodology for economic assessment of best available air pollutant abatement techniques for thermal power plants
   Ann-Kathrin Müller, Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany
11:15 - 11:35 Implementation of IPCC Guidelines 2006 effect upon Czech Republic’s GHI inventory
   Ondrej Milovský, Czech Hydrometeorological Institute, Czech Republic

Odour Substances
9:00 - 10:00 VOCs 09404/4: The polarity profile method to assess odor quality – reliability and validity
   Kirsten Sucker, IPA Germany
10:00 - 11:00 Greenhouse gas emissions from land applied swine manure: development of method based on static flux chambers
   Jacek Koziel, Iowa State University, USA
12:00 - 13:00 Lunch
13:00 - 13:20 Odor Carboxylic Acids & Amines Measurements in air samples using Active Sampling on Impregnated Cartridges followed by analysis with Ion Chromatography in tandem with Mass Spectrometer
   Marie Verriele, Université Lille Nord de France, France
14:45 - 15:05 Coffee break
15:10 - 15:30 An estimate of odor emission rate from the operation of NPP in Slovakia
   Petra Auterská, Josef Keder, Czech Hydrometeorological Institute, Czech Rep.
15:35 - 15:55 Measurements of Odor and Hydrogen Sulfide Dispersion from a Swine Farm
   Albert J. Heber, Purdue University, West Lafayette, IN, USA
16:00 - 16:20 Dry deposition of submicronic atmospheric aerosol flux chambers
   Bosch-Perdik, Maria, Mississauga, Ontario, Canada
16:25 - 16:45 Chemical composition and hygroscopic properties of aerosol particles from Siberian boreal area
   Vasiljeva S.Yu., Saint Petersburg State University, Russia
16:50 - 17:05 Coffee break

Emissions
17:05 - 17:25 Regulatory-legislative basis for prevention of hazardous chemicals emissions in Armenia
   Asosyan A., Ministry of Nature Protection of the Republic of Armenia
17:30 - 17:50 Influence of animal keeping environment factors to harmful gases production in Slovak farms
   Štefan Mihina, Slovak University of Agriculture in Nitra, Slovakia

6th June 2013

10:00 - 10:20 Quantitative Determination of NO2 Exposure Levels
   Petra Jurášová, Radim Stránisky, Institute Ltd, Poland
10:25 - 10:45 Odorous Carboxylic Acids & Amines Measurements in air samples using Active Sampling on Impregnated Cartridges followed by analysis with Ion Chromatography in tandem with Mass Spectrometer
   Marie Verriele, Université Lille Nord de France, France
11:00 - 11:20 Greenhouse gas emissions from land applied swine manure: development of method based on static flux chambers
   Jacek Koziel, Iowa State University, USA
11:25 - 11:45 Road pavement abrasion as the source of particulate matter
   Dušan Jandačka, Daniela Dužičánová, University of Zilina, Faculty of Civil Engineering, Slovak Republic
11:40 - 12:00 EMPIRICAL FUNCTIONS BETWEEN NO2 AND NOX AIR CONCENTRATIONS IN AN URBAN AREA
   Nicolaus A. Mazzio, National Scientific and Technological Research Council (CONICET), Argentina
12:00 - 13:00 Lunch
13:00 - 13:20 Odor Control by Photobioreaction
   Ondřej Unčovský, Asio, Ltd., Czech Republic
13:25 - 13:45 Urban residents breathing problems
   Anna A. Vinogradova, A. M. Obulov, Institute of Atmospheric Physics Russian Academy of Sciences, Russia
13:50 - 14:15 Air pollution forecasting model for the Moscow agglomeration: statistical algorithm and preliminary tests
   P.F. Demchenko, A.M. Obulov, Institute of Atmospheric Physics Russian Academy of Sciences
14:20 - 14:40 Modeling of radioactive doses from releases into atmosphere and hydrosphere during normal operation of NPP in Slovakia
   Duran Juraj, VÚE a.s., Slovakia
14:45 - 15:05 Coffee break

17:55 - 18:15 Atmogeochemical particular differentiation aerosol
   N. Calec, Hydrometeorological center of Serbia, Belgrade, Serbia
17:05 - 17:25 Atmogeochemical particular differentiation aerosol
   Wolfgang Schulz, IPA Germany
17:30 - 17:50 Chemical Speciation of Fine Particles in the Atmosphere
   Kirsten Sucker, IPA Germany

Atmosphere
16:10 - 16:30 Verification of the model of atmospheric boundary layer applied to the problem prediction of air pollution
   A. Mhanna, Osnat State Hydrometeorological University
16:35 - 16:55 Description of Seus model and its performance in two irregular street canyons
   Laura E. Venegas, National Scientific and Technological Research Council (CONICET), Argentina
16:00 - 16:20 Dry deposition of submicronic atmospheric aerosol over water surfaces in motion
   N. Calec, IPA Germany
16:25 - 16:45 Chemical composition and hygroscopic properties of aerosol particles from Siberian boreal area
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