



ISEH 2013

The 2nd International Symposium and Workshop
on Environment and Health of Contaminated Areas
November 6–8 | 2013 | Ostrava



PROGRAMME OF THE CONFERENCE

INVITATION

On behalf of the organisers and the Scientific Committee we would like to invite you to the 2nd International Symposium and Workshop on Environment and Health (ISEH 2013), to be held in Ostrava, Czech Republic. This meeting will run from Wednesday, 6th November, to Friday, 8th November, 2013. This event will start addressing key aspects to Environmental and Health issues, relevant to industrially contaminated areas. The event will be held in non-formal manner. Due to broad spectrum of professional field, only selected areas will be discussed; workshop will be organized with main aim to call experts for further involvement.

We believe the ISEH 2013 planned activities will provide a valuable opportunity for communication with experts in presented professional areas. Moreover, we are proud to facilitate expert to help on environmental issues in most contaminated region MORAVIAN-SILESIAN.

PROGRAM FRAMEWORK

WEDNESDAY, NOVEMBER 6TH (THE 1ST DAY OF SCIENTIFIC PROGRAM – WORKSHOP)

14.30–18.00 **WORKSHOP 1: Czech - Belgium days on remediation**
(Hotel Park Inn by Radisson Ostrava, Hornopolní 3313/42, 702 00 Ostrava)

from 18.30 **SOCIAL EVENT I with welcome drink, relaxation. Discussion with friends.**
(Hotel Park Inn by Radisson Ostrava, Hornopolní 3313/42, 702 00 Ostrava)

THURSDAY, NOVEMBER 7TH (THE 2ND DAY OF SCIENTIFIC PROGRAM – SYMPOSIUM AND WORKSHOPS)

8.00–8.45 **REGISTRATION**

9.00–9.15 **INTRODUCTION**

9.15–18.00 **SYMPOSIUM, PLENARY SESSIONS**

10.30–13.00 **WORKSHOP 2: Czech–Japanese days on technologies**
(lecture hall NA3 VŠB)

13.30–18.00 **WORKSHOP 3: Data analysis for environmental and health practice**
(lecture hall NA3 VŠB)

COFFEE BREAKS AND LUNCH INCLUDED

9.00–18.00 **POSTER SESSION AND PRESENTATION OF PARTNERS**

from 19.00 **SOCIAL EVENT II.**
(Zámek Zábřeh – Only for VIP guests. Transport ensured.)



PROGRAMME OF THE CONFERENCE

FRIDAY, NOVEMBER 8TH (THE 3RD DAY OF SCIENTIFIC PROGRAM – SYMPOSIUM AND WORKSHOP)

9.30–13.00 **PLENARY SESSIONS**

9.30–13.00 **WORKSHOP 4: Energy applications**
(lecture hall NA3 VŠB)

COFFEE BREAKS INCLUDED

14.00–16.00 **ROUNDTABLE MEETING WITH JAPANESE AND CZECH BUSINESS PERSONS FROM OSTRAVA REGION**
(lecture hall NA3 VŠB)

*INSTITUTE OF ENVIRONMENTAL TECHNOLOGY TECHNICAL UNIVERSITY OSTRAVA
(CZECH REPUBLIC)
WITH PARTNERS*

UNIVERSITY OF OSTRAVA (CZECH REPUBLIC)

AZERBAIJAN DIPLOMATIC ACADEMY (AZERBAIJAN)

REGIONAL DEVELOPMENT AGENCY OSTRAVA (CZECH REPUBLIC)

CHIBA INSTITUTE OF TECHNOLOGY (JAPAN)

FACULTY HOSPITAL OSTRAVA (CZECH REPUBLIC)

FLANDERS INVESTMENTS & TRADE (BELGIUM)

CENTRAL MINING INSTITUTE (POLAND)

NORWEGIAN INSTITUTE OF WATER RESEARCH (NORWAY)

PRIMECELL THERAPEUTICS, INC. (CZECH REPUBLIC)

RIMACS (JAPAN)

E&H SERVICES, INC. (CZECH REPUBLIC)



PROGRAMME OF THE CONFERENCE

MAIN PROGRAMME – THURSDAY, NOVEMBER 7TH

WELCOME, KEY PRIORITIES FOR MSK REGION (Chair: Tomas Ocelka) – location: lecture hall NA2 VŠB

8.45 – 9.00 **WELCOME AND KEY ACTIONS FOR ENVIRONMENTAL AND HEALTH RESEARCH IN TUO,**
I. VONDRÁK, RECTOR VŠB-TUO, CR

9.00 – 9.15 **THE IMPORTANCE TO RESEARCH AND DEVELOPMENT FOR MORAVIAN-SILESIA REGION,**
M. NOVÁK, MSR PRESIDENT

9.15 – 9.45 **RIS3 STRATEGY OF MSR FOR PERIOD 2014-2020,**
P. CHOVAŇIKOVÁ, DIRECTOR OF REGIONAL DEVELOPMENT AGENCY OSTRAVA

9.45 – 10.15 COFFEE BREAK

PRIORITIES AND APPROACHES FOR RESEARCH AND DEVELOPMENT IN MORAVIAN-SILESIA REGION
(Chair: Tomas Ocelka) – location: lecture hall NA2 VŠB

10.15 – 10.45 **RESEARCH PRIORITIES FOR BIOTECHNOLOGICAL PARK 4MEDI,**
M. ZAHRADNÍČEK, PrimeCell THERAPEUTICS, INC., PRAGUE, CR

10.45 – 11.15 **CHALLENGES OF GENOMICS RESEARCH IN MSR,**
M. ELIÁŠ, UNIVERSITY OF OSTRAVA, CR

11.15 – 11.45 **PLANS OF IT4 INNOVATION TO SUPPORT RESEARCH IN MSR,**
B. JANSÍK, IT4 INNOVATIONS, VŠB-TUO, CR

11.45 – 12.15 **WHAT CAN LCA DO AND CANNOT?**
K. SHIBATA, CHIBA INSTITUTE OF TECHNOLOGY, JAPAN

12.15 – 13.30 LUNCH, GUIDED TOUR OF THE RESEARCH PAVILION IET

ENVIRONMENTAL MONITORING AND TECHNOLOGIES (Chair: Prof. Lucie Obalová) – location: lecture hall NA2 VŠB

13.30 – 14.00 **COMMON METHODS FOR REDUCING VOC EMISSIONS FROM INDUSTRY,**
J. ŠVRČULA, ELVAC EKOTECHNIKA, LTD., CR

14.00 – 14.30 **CHALLENGING PHOTOCATALYTIC REACTIONS FOR GAS CLEANING,**
M. RELI, VŠB-TUO

14.30 – 15.00 **PROJECT AIR SILESIA – THE TRANSBOUNDARY (CZ-PL) AIR POLLUTION TRANSPORT IN
THE UPPER SILESIA REGION,**
J. BITTA, IET VŠB-TUO



PROGRAMME OF THE CONFERENCE

15.00 – 15.30 COFFEE BREAK

15.30 – 16.00 **A CONTEMPORARY ASSESSMENT OF PBDE FLAME RETARDANTS IN THE AMBIENT AIR AND SOIL OF AZERBAIJAN,**
G. ALIYEVA, ADA, AZERBAIJAN

16.00 -16.30 **THE APPROACH TO USE MICROBIOLOGICAL TECHNOLOGIES FOR REMEDIATION OF POPs – CURRENT STATE AND FUTURE TRENDS**
M. GLODNIOK, G. GZYL CENTRAL MINING INSTITUTE, WATER PROTECTION DEPARTMENT, KATOWICE, POLAND

16.30 – 17.00 **CURRENT STATE OF WASTE CO-INCINERATION IN CEMENT KILNS,**
F. SLADDECZEK, ICIMB, OPOLE, POLAND

17.30 – 18.00 **PERSPECTIVES OF PLASMA INCINERATION,**
K. KRAWCZYK AND S. BARTUSEK, POLITECHNIKA WARSZAWSKA, POLAND AND IET VSB-TUO

MAIN PROGRAMME – FRIDAY, NOVEMBER 8TH

TOXICOLOGY / CLINICAL MEDICINE / PHARMACY (Chair: Josef Jampílek, Tomas Ocelka) – location: lecture hall NA2 VŠB

9.30 – 10.00 **GENOTOXICITY IN INDUSTRIAL ENVIRONMENT OF MS REGION,**
K. MALACHOVÁ, OSU, CR

10.00 – 10.30 **MULTIPLE TOXIC EFFECTS OF AIR POLLUTANTS ASSESSED IN VITRO,**
J. NOVÁK, RECETOX, CR

10.30 – 11.00 COFFEE BREAK

11.00 – 11.30 **OVERVIEW OF MODERN METHODS IN QUALITY DRUG ASSURANCE,**
E. BOJŇANSKÁ, SANECA, LTD., SLOVAKIA

11.30 – 12.00 **SKIN PERMEATION/PENETRATION OF NANOPARTICLES: THEIR SAFETY AND TOXICITY,**
E. VACULÍKOVÁ, FACULTY OF PHARMACY, UVPS, CR

12.00 – 12.30 **POLYMORPHISM AND ITS INFLUENCE TO BIOAVAILABILITY,**
J. JAMPÍLEK, UNIVERSITY OF VETERINARY AND PHARMACEUTICAL SCIENCES BRNO, CR



PROGRAMME OF THE CONFERENCE

INTERNATIONAL COMMITTEE

Aliyeva G. (ADA, Azerbaijan)
Chamradova, K. (IET, VŠB-TUO, Czech Republic)
De Potter F. (FIT, Belgium)
Fujita K (RIMACS, Japan)
Grochowalski A. (Politechnika Krakowska, Poland)
Gzyl G. (GIG, Poland)
Harman Ch. (NIVA, Norway)
Jampilek J. (Research Institute for Pharmacy & Biochemistry, Czech Republic)
Karstensen, K. H. (SINTEF, Norway)
Kurkova R. (E&H, services, Inc., Czech Republic)
Lapcik V. (IET, VŠB-TUO, Czech Republic)
Marik V. (CTU Prague/TACR, Czech Republic)
Mills G. (University Portsmouth, UK)
Obalova L. (IET, VŠB-TUO, Czech Republic)
Obroucka K. (IET, VŠB-TUO, Czech Republic)
Ocelka T. (IPHO/IET VŠB-TUO, Czech Republic), chair-LOC
Prochazka V. (Faculty Hospital of Ostrava, Czech Republic),
Rownicka-Zubik J. (MUS, Poland)
Shibata K. (CIT, Japan)
Sulkowska A. (MUS, Poland)
Vijgen J. (IHPA, Denmark)
Zahradnicek M. (CBTD, Inc., Czech Republic)

REGISTRATION FEES

There is **free** admission. However, number of participants is **limited**. Please, sign up on <http://ehss.eu/ISEH2013/>

Registration covers: abstract and programmed book, certificates of attendance, refreshments. Accommodation and travel expenses fees are not included – to be paid individually.