

INTRODUCTION

The Conference is organized in the frame of the DAAD project “Biotechnology in Mining – Integration of New Technologies into Educational Practice” (2015 – 2018) and cooperation between Technische Universität Bergakademie Freiberg (TU BAF), Germany, and National Mining University (NMU), Dnipro, Ukraine.

Biomining covers a wide range of environmentally friendly “green” technologies in mining based on bioleaching processes, biological treatment of mine waters, bacterial desulphurization of coal, phytoremediation of contaminated areas and others. This program is aimed at imparting the most current molecular, physiological, ecological and land management skills and technologies in the areas of mining and environment.

More information about project you can find here:

<http://tu-freiberg.de/fakultaet2/bio/biology-ecology/forschungsprojekte/daad-nmu-dnipropetrovsk>

TOPICS:

- Mining Phytotechnologies;
- Phytoremediation;
- Plants suitable for Phytomining and Phytoremediation;
- Rhizosphere in Phytoremediation / Phytotechnologies;
- Plant-Biomass and Bioenergy;
- Ecological Restoration of Mining Sites;
- Landscape Phyto-architecture;
- Microbial Technologies in Mining;
- Model Experiments (Bioreactors) and Heap Leaching;
- Molecular Approaches in Biomining;
- Biomining of Various Elements (including Germanium, Indium and REEs);
- Bioremediation and Bioeconomy;
- Legal Issues in Mining Biotechnology.

RESEARCH AND EDUCATIONAL BOARD

Rector of NMU, Prof. Dr. **Gennadiy Pivnyak**, Academician of the National Academy of Science of Ukraine

Prof. Dr. **Oleksandr Beshta**, Vice-Rector for Research of NMU

Prof. Dr. **Oleksandr Shashenko**, Vice-Rector for International Affairs of NMU

Prof. Dr. **Carsten Drebenstedt**, Dean of the Faculty of Geosciences, Geoengineering and Mining, TU BAF

Prof. Dr. **Michael Schlömann**, Director of the Institute of Biosciences, Head of the Scientific Group on Environmental Microbiology, TU BAF

Prof. Dr. **Hermann Heilmeier**, Head of the Scientific Group on Biology & Ecology at the Institute of Biosciences, TU BAF

Prof. Dr. **Borys Sobko**, Head of the Department of Open Cast Mining, NMU

Prof. Dr. **Dmytro Rudakov**, Head of the Department of Hydrogeology and Engineering Geology, NMU

Dr. **Artem Pavlychenko**, Head of the Department of Ecology and Environmental Technologies, NMU

Prof. **Oleksandr Kovrov**, Department of Ecology and Environmental Technologies, NMU

Dr. **Iryna Klimkina**, Associate Professor of the Department of Ecology and Environmental Technologies, NMU

Dr. **Olexii Lozhnikov**, Associate Professor of the Department of Open Cast Mining, NMU

Dr. **Andrii Cherep**, Associate Professor of the Department of Applied Economy, NMU

Prof. Dr. **Mykola Kharytonov**, Director of epy Center of Nature Management, Dnipropetrovsk State Agrarian and Economic University

Dr. **Andrey Smirnov**, Coal Production Director, DTEK Energy

Vladislav Vernigora, Head of the Department of Ecology, PJSC “DTEK Pavlogradugol”

IMPORTANT DATES

Deadline for on-line registration: **20.01.2018**

Deadline for abstracts: **20.01.2018**

Notification of acceptance: **31.01.2018**

Conference days: **25-26.04.2018**

Field trip: **27.04.2018**

PRELIMINARY PROGRAMME

25th April 2018, Wednesday

- ▶ Registration: 8:00 – 13:00
- ▶ Opening ceremony: 9:30 – 10:00
- ▶ Plenary session: 10:00 – 11:15
- ▶ Coffee break: 11:15 – 11:30
- ▶ Oral presentations – 11:30 – 13:00
- ▶ Lunch: 13:00 – 14:00
- ▶ Round table for project coordinators: 14:30 – 15:30
- ▶ Historical and Mineralogical Museums of NMU: 14:30-17:00

26th April 2018, Thursday

- ▶ Oral presentations: 9.00 – 10:30
- ▶ Coffee break: 10:30 – 11:00
- ▶ Oral presentations: 11:30 – 12:30
- ▶ Poster presentations: 12:30 – 13:00
- ▶ Lunch: 13:00 – 14:00
- ▶ Oral presentations: 14.00 – 15.30
- ▶ Coffee break: 15:30 – 16:00
- ▶ Resume both from scientists and stakeholders: 16.00 – 17.00
- ▶ Dinner in the format of barbeque: 17:30 (fee will be announced later)

27th April 2018, Friday

- ▶ Field trip to reclamation site of mining enterprise: 8.00 – 16:00



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WEB-SITES

<http://tu-freiberg.de/fakultaet2/bio/arbeitsgruppen/biologie-oekologie/veranstaltungen-ausschreibungen>
<http://ecology.nmu.org.ua/ua/News/Conferences.php>

TARGET GROUP

The conference addresses participants from academia (researchers, graduate and post-graduate students), industry and administration.

FINANCIAL LIABILITIES

No fees for participation in the conference. Organizers do not provide any financial support for accommodation and travel expenses.

APPLICATION FORM

Interested participants are kindly requested to register on-line:

<https://goo.gl/forms/xPrHwAAOpXk5HG033>

REQUIREMENTS FOR ABSTRACTS

Abstracts for 1 page (A4) should be written in English and submitted in .doc or .docx formats. The abstract should include: relevance, goals and objectives, methods, research results, conclusions, without figures and tables. All margins 2.0 cm, 1.0 spacing, Times New Roman, font 12, paragraph indentation 1.25 cm.

Please name the file with first author („ivanov“) and submit to irina.i.klimkina@gmail.com email

Language of the conference:

ENGLISH



DAAD
German Academic
Exchange Service



Ministry of Science and Education of Ukraine

State Higher Educational Institution
“National Mining University”
(NMU, Dnipro, Ukraine)

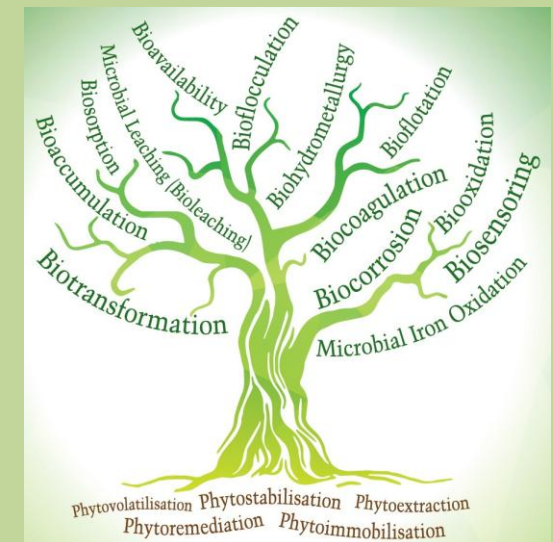
Technische Universität Bergakademie Freiberg
(TU BAF, Freiberg, Germany)

under support of German Academic Exchange
Service (DAAD)

International Conference

**“APPLIED BIOTECHNOLOGY IN
MINING”**

25-27th April, 2018



NMU, Dnipro, Ukraine