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PROBLEMS OF ENVIRONMENTAL ENGINEERING IN AGRICULTURAL AND INDUSTRIAL REGIONS



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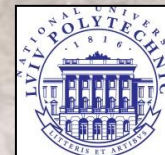
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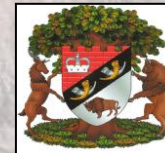
Białystok University of Technology,
Department of Environmental Engineering
Technology and Systems



Lviv Polytechnic National University (Lviv, Ukraine)



Belarusian State Technological University



Puszcza Białowieska National Park in Kamieniuki



The Foundation of Environmental and Resource
Economists

BIAŁOWIEŻA 24-27 JUNE 2018

The conference will take place on 24-27 June 2018 in Białowieża at the Żubrówka Hotel (<http://www.hotel-zubrowka.pl/en/swimming-complex>).

The Conference Office will be open from **15.00** on **24.06.2018**.

FRAMEWORK CONFERENCE PROGRAM

24/06/2018 – Sunday

- from 15:00 - arrival and accommodation of participants, free time;
- from 18:00 - buffet dinner;

25/06/2018 – Monday

- 7:30 - 10:00 - breakfast (buffet);
- from 8:30 - distribution of conference materials;

I PLENARY SESSION 10:00 - 12:00

Moderators: Izabela Bartkowska, DSc, PhD, Eng; Professor Lech Dzienis

- 10:00 - OPENING CEREMONY OF THE CONFERENCE - Professor Lech Dzienis - Rector of the Białystok University of Technology;
- 10:30 - Professor Marian Kwietniewski – The current activity of the Central Commission for Degrees and Titles in the aspect of the draft Act 2.0;
- 10:50 - Tomasz Szczepański, Przemysław Łobodziec - Presentation of MC Bauchemie;
- 11:10 - Paweł Nurzyński - AARSLEFF as a method of trenchless pipelines rehabilitation;
- 11:30 -Gennadii Baklanov – Modern technologies and devices for wastewater treatment;

- **12:00 - coffee break;**

SESSIONS IN SECTIONS

SESSION No. 1 12:15 – 14:00

SECTION No. 1

Moderators: Professor Józefa Wiater, Wojciech Dąbrowski, DSc, PhD, Eng

- 12:15 - Akelyev Valery Dmitrievich, Dikun Oleg Vladimirovich - Heat transfer through the membrane of air supported structure;
- 12:30 - Livanskiy Dmitry G. - Computation fluid dynamics modeling in ice rink arenas;
- 12:45 - Anna Werner-Juszczuk - The influence of thermal bridges on the operation of underfloor heating system;
- 13:00 - Piotr Rynkowski - Numerical modelling of heat loss through the dome in the anaerobic digester in Northeast Poland;
- 13:15 - discussion, summary of section No. 1;

SECTION No. 2

Moderators: Assoc. Prof. Aleksander Kiryluk, Dariusz Andraka, PhD, Eng

- 12:15 - Vasil Zhelykh, Zinoviy Blikharskyy, Yura Furdas, Kristina Kozak - Utilization of fallen leaves of trees by anaerobic fermentation;
- 12:30 - Natallia Shepeleva, Vladimir Martsul, Ihar Voitau - Preliminary LCA results of short crop rotation 'energetic' plantations maintenance for Salix willow cultivation on the basis of unexploited sludge lagoons;
- 12:45 - Nikolay Makisha - Research of two-stage scheme of wastewater treatment;
- 13:00 - Aliaksei Radzenka, Anatoli Hurynovich - The using of cassettes with the carrier of biomass for the intensification of the processes, biological wastewater treatment;
- 13:15 - Bartosz Szeląg, Jan Studziński - Effect of physico – chemical wastewater parameters and abiotic factor on the activated sludge sedimentation capacity;
- 13:30 - discussion, summary of section No. 2;

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- **14:00 – 15:30 -served lunch;**
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SECTION No. 3

Moderators: Izabela Tałałaj, DSc, PhD, Eng, Professor Mirosław Żukowski

- 15:30 - Marian Kalabegishvili, Levan Klimiashvili, David Gurgenzidze - Analysis of the Ortachala HPP coastal zone seepage regime;
- 15:45 - Siegmund Richard Froehlich - Global Benchmark on Sustainable Water Management;
- 16:00 - Tomasz Cichoń, Jadwiga Królikowska - Accuracy of water meters during their operation;
- 16:15 - Ewa Szalińska, Paweł Wilk - Sediment quantity management in Polish catchment-river-sea systems – shall we care?
- 16:30 - Lilianna Bartoszek, Piotr Koszelnik, Justyna Zamorska, Renata Gruca-Rokosz, Monika Zdeb - A preliminary study into the possibility of $\delta^{13}C$ being used as a sensitive indicator of the trophic and hydrobiological status of aquatic ecosystems;
- 16:45 - discussion, summary of section No. 3;

SECTION No. 4

Moderators: PhD, Mirosław Skorbiłowicz, DSc, PhD, Eng, Wojciech Kruszyński, PhD, Eng

- 15:30 - Małgorzata Kacprzak - Pros and cons of circular economy;
- 15:45 - Anatoli Hurynovich, Uladzimir Maroz - Resource-saving reagent technology of joint purification of sewage water for paint and galvanic production and machine-building;
- 16:00 - Anna Grobelak, Paulina Kokot, Jakub Świątek, Marta Jaskulak, Agnieszka Rorat - Bacterial ACC deaminase activity in promoting plant growth on areas contaminated with heavy metals;
- 16:15 - Tomasz Janusz Teleszewski, Mirosław Żukowski - Analysis of heat loss of a biogas anaerobic digester in weather conditions in Poland;
- 16:30 - Wojciech Dąbrowski, Paweł Malinowski, Beata Karolinczak - Application of SS-VF bed to treat high concentrated reject water from autothermophilic aerobic sewage sludge digestion;

- 16:45 - Piotr Maciołek, Kazimierz Szymański, Rafał Schmidt - Impact of sedimentation supported by coagulation process on effectiveness of separation of the solid phase from wastewater stream;
 - 17:00 - discussion, summary of section No. 4;
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- **17:15 - coffee break;**
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POSTER SESSIONS 17:15 – 18:15

Moderators: Dariusz Andraka, PhD, Eng, Paweł Biedka, PhD, Eng, Jacek Dawidowicz, PhD, Eng, Wojciech Kruszyński, PhD, Eng

- 19:00 – 19:15 - transfer by bus to a bonfire place in the forest;
- 19:15 – 22:00 - bonfire with sausages and a rich regional menu accompanied by a musician;

After the bonfire, the possibility to continue the evening at the "Tsar Buduar" Night Club

26/06/2018 - Tuesday

- 7:00 – 8:00 - breakfast (buffet);
 - 8:00 – 8:30 - transfer of participants to the border crossing in Białowieża - Pererow;
 - 8:30 – 10:30 - passport and customs clearance;
 - 10:30 – 11:00 - bus transfer on the Pererow-Kamieniuki route (Headquarters of the PuszczaBiałowieska National Park in Belarus);
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- **11:00 – 11:30 - coffee break;**
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II PLENARY SESSION 11:30 – 13:15

Moderators: Iwona Skoczko, DSc, PhD, Eng, Dariusz Boruszko, DSc, PhD, Eng

- 11:30 - Aleksander Wasiliewicz Buryj – Director of the Puszcza Białowieska National Park in Kamieniuki - the official start of the debate;
- 12:00 - Paulina Rusanowska, Marcin Zieliński, Magda Dudek, Marcin Dębowski - Methane fermentation in innovative reactor with cage mixing system;
- 12:20 - Tomasz Janusz Teleszewski, Mirosław Żukowski - The influence of sludge on thermal performance of heat exchanger tubes inside in an anaerobic digester;
- 12:40 - discussion, summary of the II plenary session;

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- 13:15 – 14:30 - dinner at a restaurant in Kamieniuki;
 - 14:30 – 17:30 - a bus trip to the Białowieża Primeval Forest, ending with the arrival to the border crossing Pererow;
 - 17:30 – 19:00 - passport and customs clearance;
 - 19:00 – 19:15 - transfer of participants to the Żubrówka Hotel;
 - 20:00 - served dinner;

After dinner, the possibility to continue the evening at the "Tsar Buduar" Night Club

27/06/2018 - Wednesday

- 7:30 – 11:00 – breakfast (buffet);
- 12:00 - check-out and departure of the conference participants.

PRESENTATION OF WORKS

- Participants whose papers have been qualified for an oral presentation are asked to prepare a PowerPoint presentation. The presentation time is about 15 minutes.
- Other participants are asked to prepare posters for a multimedia presentation. Poster should be prepared in accordance with the template sent in PowerPoint. Please also save it as a PDF file. Both files are to be sent to the conference e-mail address by 15.06.2018 (wb.konferencja@pb.edu.pl).