

1st IWA Polish Young Water Professionals Conference



Call for Papers

Water, Wastewater and Energy
in Smart Cities
12 - 13 September 2017 Cracow, Poland



Organised by:



**CRACOW UNIVERSITY
OF TECHNOLOGY**



FACULTY of
ENVIRONMENTAL ENGINEERING **WES**

Honory Patronage by:

**Rector of the Cracow
University of Technology**



POLAND

YOUNG WATER PROFESSIONALS
PROGRAMME

Co-organised by:



**Gdańsk University
of Technology**



**Wrocław University
of Technology**



**Białystok University
of Technology**



**Silesian University
of Technology**



**Częstochowa University
of Technology**



**Poznań University
of Technology**



**Lublin University
of Technology**



**Warsaw University
of Technology**

Dear young and senior water professionals,

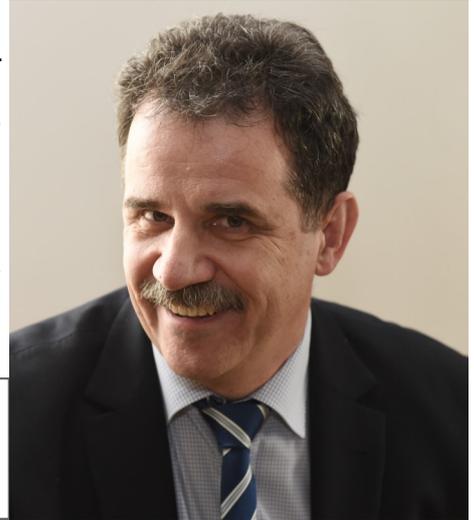
On behalf of the Programme Committee of IWA YWP 2017 and as the Dean of the Cracow University of Technology, Faculty of Environmental Engineering I would like to welcome you at Cracow – a historical city with long water and wastewater treatment traditions. For over 70 years the Cracow University of Technology has been successfully educating highly qualified engineers who can cope with national and global industry challenges. The Faculty of Environmental Engineering offers the broad range of courses that meet contemporary trends and needs of the labour market in the field of: environmental management, water management, air protection, civil engineering and land management. The careers of our graduates are easy to follow and they become a practical proof of the real quality and usability of the knowledge they gained. The Faculty has signed bilateral agreements and carries out a successful cooperation with higher education institutions of Germany, Sweden, Norway, France, Switzerland, Japan and China.

The 1st Polish IWA Young Water Professionals Conference 2017 to be held in Cracow, Poland will provide an excellent opportunity to present the latest concepts and technologies in water and wastewater sectors. The leading motto of the conference is “Water, Wastewater and Energy in Smart Cities” to emphasize the practical aspects of the technological developments and possible perspectives of their applications. The YWP Polish Conference is organized to develop your water career and start building the future of the Polish water sector.

During the free summer time, the participants will have a chance to discover the beauty of the city. Please, book the beginning of September 2017 in your calendar.

Welcome to Cracow!

D. Sc. (Eng) Stanisław M. Rybicki
Dean Faculty of Environmental Engineering,
Cracow University of Technology
Chairman - Programme Committee



Dear young and senior water professionals,

on behalf of IWA POLAND, I am very pleased to invite and encourage young water professionals to participate in the 1st Polish IWA Young Water Professionals Conference 2017 to be held in Cracow, Poland.

This YWP conference provides a unique platform to share information and experience and update your knowledge with the latest solutions developed by young professionals, as well as provide professional development through offering networking opportunities, professional development workshops, and overall experience in writing abstracts, presenting, and having opportunity to publish papers in scientific journals.

Young Water Professionals chapters (national groups of YWPs), conferences and activities are growing in Eastern Europe and we continue to build on this growth in Poland as well. As such, this conference will be a platform to share experiences and develop new Poland IWA YWP chapters that will support IWA's YWP goal which is to attract new professionals to the water sector, and empower them, through networking, professional development and recognition, in order to fulfil their potential as future leaders in the water sector.

Cracow, the host city of the conference, is a great location to meet in September 2017. Poland namely sets a good example of how to efficiently and effectively spend EU Funds in the water and wastewater infrastructure. In addition, there are a lot of research groups in the Polish universities that have extensively focused their research on water and environment. Therefore, I am sure that the conference sessions and debates will be informative, intensive, active, and inspiring for further work.

I hope to see you in Cracow soon!

Prof. Jacek Małkinia, IWA Fellow

Gdańsk University of Technology

Prof. Jacek Małkinia
Gdańsk University of Technology
Chairman - IWA POLAND



Dear colleagues - young professionals of the water sector,

The 8th Eastern European IWA YWP Conference in Gdansk (Poland) was the 1st event organized by the IWA Poland for young water professionals in order to build a strong relationship between the IWA members in Poland.

In 2017 we are going to meet again in one of Poland's most beautiful cities - Cracow!

Cracow is not only a beautiful historic city but also an easily accessible one. For centuries, it has been proud of its role as the center of university research at a top level, e.g. Nicolaus Copernicus studied here. Nowadays, with 23 higher education institutions enrolling more than 200 000 students, Cracow is one of the most important scientific and academic centers in the Central Europe.

The Organizing Committee will help you to find all necessary information that you may need. Moreover, we offer a reduced registration fee for young water professionals and PhD students under 35; an additional reduction is possible for the IWA members. Many of you who participated in some previous IWA conferences already know that conference topics present a high level of scientific interest. Coffee-breaks and lunch-breaks are long enough to give young water professionals an opportunity to exchange ideas and build a professional network. The publications will be included in the Conference Proceedings and water related journals; the best publications will be published in the Journals of IWA.

Use this chance to join our network of young water professionals.
Looking forward to meeting you all in Cracow!

D.Sc. (Eng) Małgorzata Cimochowicz-Rybicka
Associate Professor Faculty of Environmental Engineering,
Cracow University of Technology
Chairman - Organising Committee



Dear young and senior water professionals,

It is great honor to be involved in the organization of the 1st Polish Conference 2017, which is going to be held in Cracow, Poland. The Conference's location is not a coincidence, Cracow is the most beautiful town in Poland and a place with a great history. A visit to Cracow is a meeting with the most glorious era in Polish history. Cracow's Old Town, along with Wawel Castle and the city's Kazimierz district were placed on the First World Heritage List, created by UNESCO in 1978. In fact, during the last decade Cracow became one of the most appreciated tourist destinations in the world.

I'm sure that the meetings during this YWP Conference will be intensive and the debates vivid, that participants will have an opportunity to develop and maintain future cooperation between industry-business and academic research. This time the conference Programme Committee includes such competent people as D.Sc. S.M. Rybicki and Prof. Jacek Małkinia, and I have no doubt that we will have a great Scientific Programme. Those interested in a cutting edge fundamental applied research and new approaches to planning, design and operations of water and wastewater facilities should consider attending.

We look forward for great participation of the Polish YWPs, but are open to receive delegates from around Europe.

See you soon in Cracow!

Dr (Eng) Jakub Drewnowski
IWA YWP Polish Chapter Chair
Gdansk University of Technology, Poland
Co-Chairman - Organising Committee



Main topics of the conference

TOPIC 1: Water

- Surface and groundwater quality
- Design and operation of water treatment plants
- Drinking water sludge management
- Innovative solutions and technologies in water management
- Modern control and monitoring systems in water management
- Design and operation of water distribution networks
- Rivers, lake and reservoir restoration

TOPIC 2: Wastewater

- Design and operation of wastewater treatment plants
- Innovative solutions and technologies in wastewater management
- Nutrient removal and recovery
- Anaerobic treatment process
- Sludge drying and incineration
- Sewage sludge and waste management
- Environmental Biotechnology
- Modern control and monitoring systems in wastewater management
- Stormwater management
- Design and operation of sewer systems

TOPIC 3: Energy

- Energy balance in water and wastewater treatment plants
- Renewable energy sources in water and wastewater management
- Energy recovery from wastewater

Important Information

Active Participants

Young Water Professionals (< 35 years old)

Conference time

12-13 September 2017 (2 days)

Location

Cracow University of Technology, Cracow, Poland
Faculty of Environmental Engineering

Registration fee

Students, PhD and YWP (up to 35 years old)

IWA members - 400 PLN

Non IWA members - 550 PLN

Academic (+35 years old) and Industrial Participants

IWA members - 400 PLN

Non IWA members - 650 PLN

Registration fee includes: conference proceedings, coffee breaks and lunches. The additional costs such as accommodation, transportation, visa and insurance are not included in the registration fee.

Key Dates

- 1st March 2017 - Registration opens
- 15th March 2017 - Deadline for abstracts submission
- 15st April 2017 - Notification of acceptance
- 15th June 2017 - Submission of full papers
- 1st September 2017 - Registration closes

Procedure for Submission

Two forms of the active participation will be possible:

1. Platform presentation
2. Poster presentation

Participants are encouraged to submit abstracts of papers in English (but Polish is also acceptable). The abstracts should be limited to two A4 pages, font size 12 pt, font - Arial (including figures and tables). Abstracts must provide adequate information to allow for a sound referee review.

The abstract heading include the following information:

- Author's name, date of birth and affiliation
- Title of presentation
- Type of presentation: Poster or Platform
- E-mail, postal address and telephone number.

The abstracts should be send via e-mail to D.Sc. Małgorzata Cimochoicz-Rybicka - Chairman of the Organizing Committee:

1ywp@wis.pk.edu.pl.

Submissions are welcome from 15th January 2017 and must be received before 15th March 2017.

The submitted abstracts will be peer reviewed. A notification of acceptance will be sent before 15th April 2017.

If a paper is selected for the conference proceedings, a full manuscript (max. 8 pages) must be submitted to the Organising Committee via e-mail:

1ywp@wis.pk.edu.pl.

Deadline for submission of full manuscripts is 15th June 2017.

The guidelines on a full manuscript format and more information about the conference can be found the website:

www.iwa-network.org (please see in Events 2017).

At least one author of each selected paper must register and attend the conference to present the paper (poster or platform presentation). The authors cover their own costs (registration fee, travel, accommodation, etc.) to attend the conference.

The papers will also be reviewed by IWA and published in the journals: Water Science and Technology, Water Science and Technology: Water Supply and Technical Transaction (13 pts).

Invitation

Personal invitation will be provided on request by the chairman of the Organising Committee - D.Sc. Małgorzata Cimochoicz-Rybicka:
iwa.ywp.poland@gmail.com

Organising Committee

Chairman: D.Sc. M. Cimochowicz - Rybicka
(Cracow University of Technology)
Co-Chairman: Dr J. Drewnowski (Gdańsk University of Technology)

Committee members:

J. Górka (Cracow University of Technology)
D. Łomińska (Cracow University of Technology)
T. Orliński (Cracow University of Technology)
B. Wilk (Cracow University of Technology)
W. Wójcik (Cracow University of Technology)
Z. Podraza (Cracow University of Technology)
G. Zemelka (Cracow University of Technology)
A. Młyńska (Cracow University of Technology)
M. Orłowska-Szostak (Gdańsk University of Technology)
P. Kowal (Gdańsk University of Technology)
D. Sobotka (Gdańsk University of Technology)
K. Wiśniewski (Gdańsk University of Technology)
Dr K. Janiak (Wrocław University of Technology)
Dr S. Miodoński (Wrocław University of Technology)
M. Muszyński-Huhajło (Wrocław University of Technology)
Dr M. Szlachta (Wrocław University of Technology)
M. Wolf (Wrocław University of Technology)
P. Wójtowicz (Wrocław University of Technology)
M. Tomaszewski (Silesian University of Technology)
E. Killian-Błazejewska (Silesian University of Technology)
M. Mrowiec (Czestochowa University of Technology)
J. Kujawska (Lublin University of Technology)
J. Byłka (Poznan University of Technology)
K. Jaszczyszyn (Poznan University of Technology)
A. Garlicka (Warsaw University of Technology)
P. Augustyniak (Warsaw University of Technology)
E. Szatyłowicz (Białystok University of Technology)

Scientific Committee

Chairman: D.Sc. S. Rybicki (Cracow University of Technology)
Co-Chairman: Prof. J. Mąkinia (Gdańsk University of Technology)

Committee members:

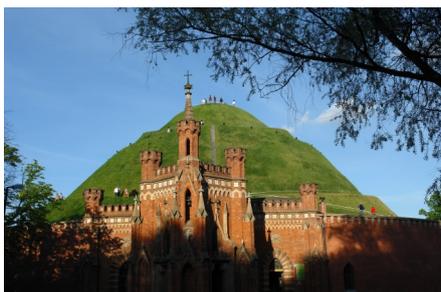
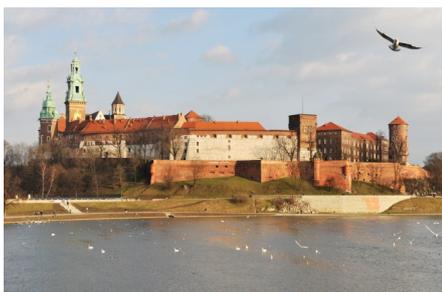
Prof. A.M. Anielak (Cracow University of Technology)
Prof. L. Dzienis (Białystok University of Technology)
Prof. M. Kabsch-Korbutowicz (Wrocław University of Technology)
Prof. J. Pawełek (Cracow University of Agriculture)
Prof. M. Sozański (Poznan University of Technology)
Prof. J. Surmacz-Górska (Silesian University of Technology)
Prof. T. Traczewska (Wrocław University of Technology)
D.Sc. M. Banaś (Cracow AGH University of Technology)
D.Sc. T. Bergel (Cracow University of Agriculture)
D.Sc. S. Ciesielski (University of Warmia and Mazury)
D.Sc. M. Cimochowicz-Rybicka (Cracow University of Technology)
D.Sc. K. Czerwionka (Gdańsk University of Technology)
D.Sc. M. Dębowski (University of Warmia and Mazury)
D.Sc. Z. Dymaczewski (Poznan University of Technology)
D.Sc. M. Gajewska (Gdańsk University of Technology)
D.Sc. J. Królikowska (Cracow University of Technology)
Dr G. Łagód (Lublin University of Technology)
D.Sc. A. Montusiewicz (Lublin University of Technology)
D.Sc. E. Neczaj (Czestochowa University of Technology)
D.Sc. A. Postawa (Cracow AGH University of Science and Technology)
D.Sc. A. Pruss (Poznan University of Technology)
D.Sc. I. Skoczko (Białystok University of Technology)
D.Sc. M. Włodarczyk-Makuła (Czestochowa University of Technology)
D.Sc. E. Zielewicz (Silesian University of Technology)
D.Sc. M. Żubrowska-Sudoł (Warsaw University of Technology)

SPONSORS

Coming soon



IWA YWP POLAND Cracow 2017



YOUNG WATER PROFESSIONALS



IWA: Alliance House • 12 Caxton Street • London SW1H 0QS • United Kingdom
Tel: +44 (0) 20 7654 5500 • Fax: +44 (0) 20 7654 5555 • E-mail: water@iwahq.org • Website: www.iwahq.org •
Registered in England No.3597005 • Registered Charity (England) No.1076690