

12th Eastern European Young Water Professionals Conference



Call for Papers

WATER RESEARCH AND INNOVATIONS IN DIGITAL ERA

VIRTUAL CONFERENCE

31 March – 2 April 2021

<http://iwa-ywp.eu/>



Organised by:



**YOUNG WATER
PROFESSIONALS**



**Riga Technical
University**



Riga Technical University
Water Research Laboratory



Riga Technical University
Department of Water
Engineering and Technology

Co-organised by:



University of Latvia



Latvia University of Life Sciences
and Technologies



Institute for Environmental Solutions



Institute of Food Safety, Animal
Health and Environment



Latvian Environment, Geology and
Meteorology Centre



Latvian Water and
Wastewater Works Association



Tallinn University of Technology
Department of Civil Engineering
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Ministry of Education and Science
Republic of Latvia



Scan me

Dear colleagues - young professionals of the water sector,

In 2021 we organize our 12th Eastern European IWA YWP Conference for Young Water Professionals, this conference will be our first virtual conference. Due to the pandemic we can not travel to Riga as it was previously planned. We would love to meet you in person, but unfortunately in 2021 it will not be possible. So let's meet online and try to do best out of it. And after all, virtual events offer many advantages.

For this conference, with a title Water Research and Innovations in Digital Era - VIRTUAL we have prepared the [following program](#):

- We start with several virtual workshops, which will take place on 31.03.2020
- Two following days will be dedicated to scientific presentations. All oral presentations will be recorded by authors in advance and posted on our website. Only registered participants will get access to these presentations.
- Also, this year we would like to give more opportunities for YWPs who would like to prepare an oral presentation. So we plan several parallel sessions which will run at the same time.
- During the session authors will just give a short overview of the presentation/research and use the session time for questions and discussions.
- In 2021, we will have only 10 Min presentations, no posters this year.
- We plan an interactive social program which will take part during the conference days: digital coffee chats, round tables, quiz, and more.

And as for our previous conferences:

- The extended abstracts will be included into the Book of Extended Abstracts with an ISBN
- The full publications will be included into the IWA Conference Proceedings
- The selected papers will be published in the Journals of IWA with high ISI index after an additional review (Water Research ISI 5.323, Water Science and Technology ISI 1.106, Journal of Water Supply: Research & Technology - Aqua ISI 0.843, Water Science & Technology: Water Supply ISI 0.394, more info on the IWA website).

Find more info on our website <http://iwa-ywp.eu/>

The Organising Team will help you to get ready, prepare your abstracts, papers and record your presentations. As during the last years, we have a reduced registration fee for the young water professionals coming from low-income countries; additional reduction is foreseen for IWA members.

“During the last 12 years we became an IWA family...”, this comment I have heard so many times during our last conferences. **So let's keep together despite all odds...** Use this chance to join our international network of young water professionals.

Hope to see you soon in digital reality!



Dr. Maryna Feierabend
IWA Fellow
Chair - Organising Team

Dear Young Water Professionals and Friends,

on behalf of Riga Technical University, I welcome 12th IWA European Young Water Professionals Conference in Riga, Latvia. We are pleased that RTU is privileged to host the young water scientists for the first time in our country, thus promoting knowledge about water and the environment in the region. We also are eager to show our country achievements in science and education as well as our rich culture and history. **Due to COVID-19 constraints you will not be able to visit our city this time, and conference will be organised online. Nevertheless, we will do in an innovative and interactive way, that would allow you to experience new ways of interaction with scientific community.**

In fact, Latvia has long roots in water management. The first water supply system in Riga was built as early as in the 17th century when the city was one of the leading trading centres in the Baltic Sea region. The long traditions in taking good care of our natural resources including water have probably been one of the reasons why “green living” is practiced by many Latvians nowadays.

Latvia is rich in water resources. Groundwater aquifers alone are sufficient to provide a sustainable water supply for the country. However, we also face some problems such as aging of drinking water supply infrastructure, thus water quality deterioration in distribution networks and risks with emerging substance in wastewaters. Climate change with increasing frequency of floods is another challenge for water management in cities.

The water research community in Latvia is very active locally and internationally. They work with



water companies to solve their practical problems but also are engaged in many international research projects, such as industrial wastewater treatment around the Baltics sea.

Our university has always valued cooperation because it allows science to create more impact.

So, I am sure by bringing together young scientists at an early stage at this conference will provide new avenues, although the virtual ones, for working together in future.

Dear Young Water Professionals and colleagues from the water sector,

It is a huge pleasure to host the 12th IWA Eastern European Young Water Professionals Conference in innovative environment – digital reality. I am honored to assemble Eastern European Young Water Professional commune in digital reality for the first time.

Due to the growth of the population and urbanization all over the world, there are considerable challenges what the water sector will face in the future. Therefore, this conference is a great opportunity to meet young, active and innovative people who deal with similar challenges within the water sector. In terms of conference, an interdisciplinary and international collaboration will be developed to improve the overall knowledge and get new insight in recent researches.

To address the lack of new professionals that water sector is dealing last decade, this conference is a great possibility to spread the word on the uniqueness, importance, and future of professionals who are dealing with the most various problems related to water and wastewater.



Therefore, I warmly welcome you to take a part in this 12th IWA Eastern European Young Water Professionals Conference to expand not only your personal knowledge but also the overall significance of water sector and especially the role of young people to be part of this industry.

The young water professionals are the foundation of growing and wealthy society in future.

Let's put the water flame for a bright future!
See you in Digital reality!

Main topics of the conference

- Innovations in water/wastewater treatment
- Innovative sampling and monitoring strategies
- Overcoming inappropriate influent C:N:P ratios through cost-effective wastewater treatment technologies
- Adaptation specialties of technologies successfully applied in other regions
- Specialties of industrial wastewater treatment
- Pharmaceutical wastewater treatment
- Mathematical modeling, simulation studies
- Issues and challenges in water loss management
- Energy efficiency
- Impacts of climate change
- Lake ecosystems
- Flood hazard and risk

Important Information

Participants

Young Water Professionals (< 35 years old)

Duration of the conference

31 March 2021- Workshops

1 & 2 April 2021 - Scientific Sessions

Location

Virtual Conference

Registration fee

Participants from low-income countries:

IWA members - 100 Euro

Non IWA members - 120 Euro

Participants from high-income countries:

IWA members - 150 Euro

Non IWA members - 200 Euro

The registration fee can be reduced in special cases, please contact us if you need our support.

Please find the file with a list of high- and low-income countries on our website. Registration fee includes participation in the conference sessions, conference proceedings. For more info please see our website.

For all questions: iwa.ywp.2020@gmail.com

Key Dates

10th December 2020 - Registration opens

1st January 2021 - Deadline of abstracts submission

15th January 2021 - Notification of acceptance

1st February 2021 - Deadline of full papers submission

1st March 2021 - Registration closes

Procedure for Submission

Several types of participation will be possible:

1. PowerPoint presentation (will be recorded in advance)
2. Without presentation (audience), but with publishing of a paper
3. Publishing of papers without presence at the conference

Extended abstracts of papers should be written in English, and prepared according to the template, please find on our website <http://iwa-ywp.eu/>

Extended abstracts should be submitted using our website <http://iwa-ywp.eu/> : Abstracts Submission

Submissions are welcome from **1st August 2020** and must be received before **1st January 2021**.

On the basis of the submitted extended abstracts, a review will be undertaken to select the papers for oral presentation. Notification of acceptance will be sent before **15th January 2021**.

All selected extended abstracts will be published in the proceedings with an ISBN (which allows you to gain points).

If your extended abstract was selected you can also prepare an 8-page full paper which will be included to the conference proceedings and send to IWA publishing office. The full paper must be submitted using website <http://iwa-ywp.eu/> : Full Papers Submission

For the guidelines on formatting the abstracts and the full papers and other information about this conference refer to our website <http://iwa-ywp.eu/>

Deadline for submission of full manuscripts is **1st February 2021**.

At least one author of each selected paper must register.

The papers will be additionally reviewed by IWA and published in the journals: Water Science and Technology and Water Science and Technology: Water Supply, and other.

All participants will receive certificates.

For all questions: iwa.ywp.2020@gmail.com

Organising Team

Chair: Dr. Feierabend M. (IWA YWP, Germany)

Co-Chair: Dr. Dejus S. (Riga Technical University, Latvia)

Team members:

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Programme Team

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10th Eastern European IWA YWP in Zagreb, Croatia - May 2018



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