XXII TECHNICAL DAM CONTROL INTERNATIONAL CONFERENCE

TKZ2027

14-17 SEPTEMBER 2027

WROCLAW, POLAND

XXII TECHNICAL DAM CONTROL INTERNATIONAL CONFERENCE

WATER MANAGEMENT AND HYDRAULIC STRUCTURES SAFETY

CONFERENCE TOPICS

I. Safety of Dams and Reservoirs

II. Methods for Hydraulic Structures Monitoring

III. Technologies and Materials in Hydraulic Engineering

IV. Durability of Hydraulic Structures

V. Water Management under Extreme Conditions

VI. Hydropower



FIRST ANNOUNCEMENT

INVITATION

We are honoured to invite you

to the **XXII Technical Dam Control International Conference** (TKZ ‘2027).

The conference will be held **from 14 to 17 September 2027 in Wroclaw**, **Poland**.

The upcoming conference focuses on the crucial issues of Water Management and Hydraulic Structures Safety. The issues stand at the absolute centre of climate change adaptation and the safety of people and the environment today, making them more critical than ever. Rapidly changing climate conditions, manifested by the increased frequency of extreme events such as flash floods and prolonged droughts, are pushing traditional ageing water infrastructure beyond its original design limits, demanding a more modern approach to water management and the safety of hydro-engineering structures. The standards applied to dams and reservoirs require verification, and traditional methods of hydraulic structure monitoring are being replaced by real-time methods that enable the detection of internal technical problems before they lead to failure. Subsequently, advanced materials and innovative technologies play a fundamental role in extending the lifespan of hydro infrastructure. Finally, global energy transitions position hydropower plants as large-scale green batteries, ensuring system security when solar and wind output drops.

We are pleased to provide an international platform for experts, engineers, researchers, and policymakers to exchange knowledge, share recent research findings, and discuss the future challenges facing hydraulic engineering worldwide. Conference participants will have the opportunity to attend informative sessions on the safety and durability of dams and reservoirs, as well as the latest advancements in methods for monitoring hydraulic structures. Furthermore, the conference will highlight innovative technologies and materials currently shaping hydraulic engineering, address critical aspects of water management in extreme situations, and explore new horizons in hydropower. The conference is also an excellent opportunity to meet fellow colleagues from the water engineering industry and make new acquaintances, expanding professional network.

Participants will have the opportunity to visit selected hydraulic structures that form the Wroclaw Water Junction, one of the largest hydraulic systems in the city, and discover the beauty of Wroclaw's Old Town.

We invite companies to showcase their products and services, share their knowledge and expertise in the exhibition space for conference participants and encourage new partners to support the event. We are convinced that such cooperation will be fruitful for all conference participants.

We sincerely look forward to seeing you in Wroclaw, Poland, in September 2027!

ORGANISER

Warsaw University of Technology

Faculty of Environmental Engineering

Division of Hydro-Engineering and Hydraulics

Warsaw University of Technology
Faculty of Environmental Engineering

Institute for Applied Research of Warsaw University of Technology LTD

Institute for Applied Research
WARSAW UNIVERSITY OF TECHNOLOGY LTD.

CO-ORGANISERS

Institute of Meteorology and Water Management

National Research Institute

Dam Monitoring Centre

Polish Committee on Large Dams

POLCOLD

Section for Hydraulic Structures
Committee for Civil and Water Engineering
Polish Academy of Sciences

PAN
Committee for Civil and Water Engineering
Section for Hydraulic Structures

POLCOLD

PATRONAGE

Polish General Inspector of Building Control

State Water Holding Polish Waters

Committee for Civil and Water Engineering of Polish Academy of Sciences

Polish Chamber of Civil Engineers

MEDIA PRESS

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VITUKI Hungary Engineering Office Ltd., Hungary

JAN ŻELAZO
Warsaw University of Life Sciences, Poland

PAPER PUBLICATIONS

Participants will have the opportunity to submit and publish post-conference papers covering the conference topics. Papers accepted by the Scientific Committee will be published in one of the following journals:

- **„Energetyka Wodna" (Polish or English)**
- **„Gospodarka Wodna" (Polish or English)**
- **„Journal of Water and Land Development" (English)**
- **„Lecture Notes in Civil Engineering" Springer (English)**

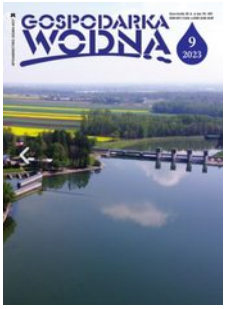
The conference abstract book will be published. The book will contain abstracts of all the papers published as a part of the conference.

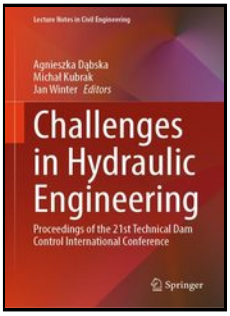
Deadlines for papers:

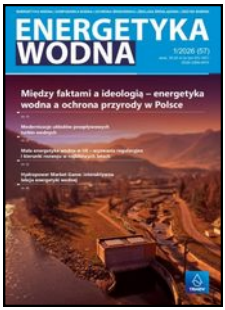
28.02.2027 – abstract submission deadline

15.04.2027 – paper submission deadline

The conference languages are Polish and English. Presentations may be delivered in either language. The organisers will provide simultaneous interpreting. The conference is a hybrid event. Participants may attend either on-site or online.









IMPORTANT DATES

15.10.2026 – registration opens

31.12.2026 – Early Bird fee payment deadline

28.02.2027 – registration and abstract submission deadline

15.04.2027 – paper submission deadline

31.05.2027 – conference fee payment deadline

CONFERENCE FEE

CONFERENCE FEE - ON-SITE PARTICIPATION	
Early Bird until 31.12.2026	4 450 PLN (gross)
Regular until 31.05.2027	4 950 PLN (gross)
Students and accompanying persons	4 150 PLN (gross)

The conference fee includes:

Accommodation in a 4 hotel in a double room, full board, conference materials, certificate of attendance, technical tour (field trip) and conference banquet.*

CONFERENCE FEE - ONLINE PARTICIPATION		
	participation	**participation + paper publication**
Early Bird until 31.12.2026	750 PLN (gross)	1 150 PLN (gross)
Regular until 31.05.2027	950 PLN (gross)	1 350 PLN (gross)

The conference fee includes:

Online participation, conference materials, certificate of attendance and paper submission for presentation and publication, if applicable.

The organisers do not refund the conference fee in case of not attending the conference, shortening the stay as well as not participating online.

The conference fee should be paid after registration.

TECHNICAL TRIP

Conference participants will have the opportunity to visit selected hydraulic structures that form the Wroclaw Water Junction. The Wroclaw Water Junction is one of Europe's largest systems of hydraulic structures located within a city. The development of the Wroclaw Water Junction dates back to the 14th century, and it comprises around 20 weirs and 10 locks, forming a structurally diverse system for navigation and flood protection.

During the tour, conference participants will also have the opportunity to visit Wroclaw's Old Town. The tour will end with a barbecue dinner during a boat cruise on the Oder.



The Rozanka Lock on the Oder river



The historic weir at Psie Pole



Participants at the 21st Conference during a visit to the dam in Dobczyce

ORGANISING COMMITTEE

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	Agnieszka Machowska
	Katarzyna Misiołek
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CONFERENCE VENUE

The conference will be held at the 4* Park Hotel Diament Wroclaw. On-site participants are provided with accommodation and full board at the conference venue, included in the conference fee.

Park Hotel Diament Wroclaw

Address:
Muchoborska St. 10
54-424 Wroclaw
Poland



WE LOOK FORWARD TO SEEING YOU IN WROCLAW!

