

WARSAW UNIVERSITY OF TECHNOLOGY, FACULTY OF BUILDING SERVICES, HYDRO AND ENVIRONMENTAL ENGINEERING, DIVISION OF HYDRO-ENGINEERING AND HYDRAULICS

SILESIAN WATERWORKS COMPANY

DAM MONITORING CENTRE - INSTITUTE OF METEOROLOGY AND WATER MANAGEMENT - NATIONAL RESEARCH INSTITUTE

INSTITUTE FOR APPLIED RESEARCH, WARSAW UNIVERSITY OF TECHNOLOGY LTD.

POLISH COMMITTEE ON LARGE DAMS

HYDROTECHNICAL STRUCTURES DIVISION OF COMMITTEE ON CIVIL ENGINEERING AND HYDROENGINEERING OF POLISH ACADEMY OF SCIENCES

XX TECHNICAL DAM CONTROL INTERNATIONAL CONFERENCE

SAFETY OF HYDRAULIC STRUCTURES

AGENDA

PATRONAGE

GENERAL INSPECTOR OF CONSTRUCTION SUPERVISION

PRESIDENT OF POLISH CHAMBER OF CIVIL ENGINEERS

MARSHAL OF SILESIAN VOIVODSHIP

CHAIRMAN OF SILESIAN WATERWORKS

DEAN OF FACULTY OF BUILDING SERVICES, HYDRO AND ENVIRONMENTAL ENGINEERING OF WARSAW UNIVERSITY OF TECHNOLOGY

SEPTEMBER 12-15, 2023
HOTEL DIAMENT ARSENAL PALACE, CHORZÓW

THIRD ANNOUNCEMENT

SCIENTIFIC COMMITTEE OF THE XX TECHNICAL DAM CONTROL INTERNATIONAL CONFERENCE

CHAIRMEN:

PROF. ZBIGNIEW KLEDYŃSKI, PHD DSC ENG Warsaw University of Technology, Poland

PROF. JAN WINTER, PHD DSC ENGWarsaw University of Technology, Poland

MEMBERS:

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PROF. ALI NOORZAD
Shahid Beheshti University. Iran

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ANDRZEJ WITA, PHD ENG Independent Expert, Poland

PROF. ASKAR ZHUSSUPBEKOV, PHD ENG L.N.Gumileyov Eurasian National University, Astana, Kazakhstan

ANDY ZIELIŃSKI, PHD ENGSenior Manager Technology & Dam Safety at Ontario Power, Canada

PROF. JAN ŻELAZO, PHD DSC ENGWarsaw University of Life Sciences, Poland

CONFERENCE SCHEDULE

Date Time *	12 th Sept. Tuesday	13 th Sept. Wednesday	14 th Sept. Thursday	15 th Sept. Friday
7:00 - 7:30				
7:30 - 8:00		Breakfast	Breakfast	
8:00 - 8:30				Breakfast
8:30 - 9:00				
9:00 - 10:00		Technical session II	Technical trip	Departure
10:00 - 10:30				
10:30 - 11:00		Coffee break		Departure
11:00 - 12:00		Technical session		
12:00 - 13:00	Registration	III	Lunch	
13:00 - 13:30	Lunch	Lunch	Trip to brewery TYSKIE	
13:30 - 14:00				
14:00 - 14:30				
14:30 - 15:00	Opening of the Conference Coffee break			
15:00 - 16:00		Technical session IV		
16:00 - 16:30				
16:30 - 17:00	Technical session I			
17:00 - 17:30		Coffee break		
17:30 - 18:00		General discussion		
18:00 - 18:30		and conclusions		
18:30 - 19:00		Closing ceremony		
19:00 - 19:30	Banquet		Barbecue	
19:30 - 20:00		Dinner		
20:00 - 20:30				
20:30 - 21:00				
21:00 - 22:00				
22:00 - 23:00				

^{*} Universal Time Coordinated UTC + 2

Tuesday, September 12th, 2023

since 12:00 Registration of the participants

13:00 - 14:30 Lunch

14:30 – 16:00 Opening of the Conference: Prof. Jan WINTER

Official presentations:

Dorota CABAŃSKA - General Inspector of Construction Supervision

Mariusz DOBRZENIECKI - President of Polish Chamber of Civil Engineers

Jakub CHEŁSTOWSKI - Marshal of Silesian Voivodship

Henryk DROB - Chairman of Silesian Waterworks

Paweł POPIELSKI – Dean of Faculty of Building Services, Hydro and Environmental Engineering at Warsaw University of Technology

Maciej SIEINSKI - Dam Monitoring Centre - Institute of Meteorology and Water Management - National Research Institute

Piotr ŚLIWIŃSKI - Polish Committee on Large Dams

Zbigniew KLEDYŃSKI - President of Hydrotechnical Structures Division of Committee on Civil Engineering and Hydroengineering of Polish Academy of Sciences

Apoloniusz KODURA – Head of Division of Hydro-Engineering and Hydraulics, Faculty of Building Services, Hydro and Environmental Engineering, Warsaw University of Technology

16:00 - 16:30 Coffee break

16:30 – 18:00 Technical session I: 140 years of Silesian Waterworks Company

Chairpersons:

Prof. Emilia BEDNAROVA, Prof. Andrej KRYŽANOWSKI, Prof. Paweł POPIELSKI

Arkadiusz TARASIŃSKI, Henryk DROB

140 years of waterworks in Silesia – the history of Silesian Waterworks

Andrzej SIUDY, Zbigniew FARUGA

Water management on the Goczałkowice water reservoir according to the applicable water management instructions

Henryk DROB, Andrzej SIUDY

Operation of large dam reservoirs administered by commercial law companies in terms of maintenance costs

Jean-Jacques FRY, Luc DEROO, Stéphane BONELLI

New guidance in France on managing erosion risks associated with dams and levees

Martin WIELAND

A comparison of the vulnerability of concrete face rockfill dams with earth core rockfill dams

ArcelorMittal Sheet PilingSPONSOR PRESENTATION

19:00 - 23:00 Banquet

Wednesday, September 13th, 2023

07:00 - 08:30 Breakfast

08:30 – 10:30 Technical session II: Surveying, operation, and maintenance of hydraulic structures – part 1

Chairpersons:

Prof. Alla DEMIANIUK, Prof. Jean-Jacques FRY, Prof. Agnieszka MACHOWSKA

Stanislav KOTAŠKA, Jaromír ŘÍHA, Tomáš JULÍNEK

Concept of dam reservoirs to deal with climate change impacts

Vasyl KORBUTIAK, Dmytro STEFANYSHYN, Yaroslav KHODNEVYCH

Scenario approach to managing flood risks: challenges and perspectives

Emília BEDNÁROVÁ, Juraj ŠKVARKA, Marián MIŠČÍK, Ľubomír UHORŠČÁK. Peter MACKOVJAK

The function of the Veľká Domaša reservoir in the context of observed climate changes

Eun Chul SHIN, Jeong Ku KANG

Evaluation Method of Engineering Condition for Small Agriculture Dams

Mateusz NERKOWSKI, Apoloniusz KODURA

Analysis of potential causes of fatigue loads in pressure pipelines

Raimondas ŠADZEVIČIUS, Dainius RAMUKEVIČIUS, Egidijus KASIULIS, Linas JUREVIČIUS, Vygandas NARKUS, Andrzej GŁUCHOWSKI, Wojciech SAS

The Comparison of Possibilities for Demolition or Rehabilitation of Hydraulic Structures

Askar ZHUSSUPBEKOV, Aliya ALDUNGAROVA, Askar YESSENTAYEV

Numerical modeling of the interaction between the dam model and soil base in undermined areas of Kazakhstan

Q&A Session – also concerning the papers not presented during the session

10:30 - 11:00 Coffee break

11:00 – 13:00 Technical session III: Surveying, operation, and maintenance of hydraulic structures – part 2

Chairpersons: Prof. Apoloniusz KODURA, Prof. Jaromír ŘÍHA, Prof. Donatella STERPI

Assel TULEBEKOVA, Askar ZHUSSUPBEKOV, Aizhan ZHANKINA, Aliya ALDUNGAROVA, Gulnaz MAMYRBEKOVA

Features of surveys of hydrological characteristics of the construction area of roads in difficult soil conditions

Alla DEMIANIUK, Dmytro STEFANYSHYN

Challenges in the interpretation of the automated dam monitoring data and the ways to overcome them

Henryk WOLFF, Tomasz WRÓBLEWSKI, Paweł OPALIŃSKI

Tests and measurements conducted during the design, construction and operation of the Roztoki dry flood protection reservoir

Andrej KRYŽANOWSKI, Nina HUMAR

The role of hydropower in meeting the targets for renewable energy production in Slovenia

Janina ZACZEK-PEPLINSKA, Lech SALONI

Modernizing the control network for determining displacements in hydraulic structures using reflectorless automatic measurement techniques

Krzysztof RADZICKI, Remy TOURMENT, Janusz ZALESKI

The application of certain modern methods for upgrading levees

Maksymilian POŁOMSKI, Mirosław WIATKOWSKI

Evaluation of the functionality of seepage prevention structures of dam bodies after a long period of operation - a case study of Otmuchów and Nysa reservoirs

Q&A Session – also concerning the papers not presented during the session

13:00 - 15:00 Lunch

15:00 – 17:00 Technical session IV: Surveying, operation, and maintenance of hydraulic structures – part 3

Chairpersons:

Prof. Agnieszka DĄBSKA Prof. Zbigniew LECHOWICZ, Prof. Askar ZHUSSUPBEKOV

Chiara ROSSIGNOLI, Marco CARUSO, Cristina JOMMI, Donatella STERPI

Preliminary experimental investigation on the use of recycled fibers from textile wastes for embankments reparation

Bohan WANG, Yoshiyuki MOHRI, Hidekazu TAGASHIRA, Akira IZUMI. Tadatsugu TANAKA

Centrifugal shaking experiments and FEM analytical investigation on masonry block reinforcement of small earth dams

Katarzyna SYNOWIEC, Artur GOLDA, Michał TAŁAJ, Marcin SAFERNA

Concreting of hydraulic structures as part of modernization works on the lock on the Januszkowice barrage

Lavdim OSMANAJ, Sulejman XHELEPI

Seepage at the base of the Koman (Albania) hydropower dam where under the display block lies the grout curtain and the base consolidation structure

Michał WIERZBICKI, Anna ANDRZEJAK, Dorota PINIARSKA, Bartłomiej SOBCZYK, Bogumił NOWAK

Functioning of the Regional Water Management Authority in Poznań retention reservoirs in the context of climate change and water needs – challenges and operational issues based on the example of selected facilities

Janusz SOBOLEWSKI

Synthetic concrete mats for reinforcement of hydraulic engineering structures, with particular regard to those installed underwater at the bottom and the banks of rivers and canals

Q&A Session – also concerning the papers not presented during the session

17:00 - 17:30 Coffee break

17:30 – 18:30 General discussion and conclusions

18:30 - 19:00 Closing ceremony

<u>Chairpersons:</u> Prof. Zbigniew KLEDYŃSKI, Prof. Jan WINTER

19:30 - 20:30 Dinner

Thursday, September 14th, 2023

07:00 - 08:30	Breakfast
08:30 – 12:00	Technical trip to the Goczałkowice Reservoir
12:00 – 13:00	Lunch
13:00 – 16:30	Trip to Brewery TYSKIE
19:00 – 22:00	Barbecue

Friday, September 15th, 2023

07:30 - 09:00 Breakfast

09:00 - 12:00 Departure of the participants

IMPORTANT INFORMATIONS

CONFERENCE is going to be held in:

Hotel Diament Arsenal Palace

Paderewskiego St., 35

41-500 Chorzów, Poland

Phone: +48 32 606 84 84

https://www.hotelediament.pl/hotele/hotel-diament-arsenal-palace/





XX TECHNICAL DAM CONTROL INTERNATIONAL CONFERENCE

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