



CONFERENCE PROGRAMME (Day I)

21 October 2026

9:00 Welcome addresses and opening of the Conference, „Warszawa” Hotel, Augustów

Opening Session

Session chaired by: **Janusz Steller** (IMP PAN/TEW), Chairman of the Conference Organising Committee

9:00 **Janusz Steller** (IMP PAN/TEW):

Welcome address from the Organising Committee and TEW – main organiser. Organising Committee announcements. Informacje organizacyjne. Awarding of TEW honorary member nominations (PL).

Ewa Malicka (TRMEW):

Welcome address from TRMEW – Conference co-organiser (PL)

Asta Sungailiene (Ignitis Gamyba, Lithuania):

Welcome address from Ignitis Gamyba – Conference partner (EN; online)

Rytis Skominas (Agriculture Academy of the Vytautas Magnus University, Kowno, Litwa):

Welcome address from VMU Agriculture Academy – Scientific patron (EN)

Petras Punys (VMU Agriculture Academy / Lithuanian Hydropower Association):

Welcome address from the Lithuanian Hydropower Association - Conference partner (EN)

Marcin Lackowski (Szewalski Institute of Fluid-Flow Machinery of the Polish Academy of Sciences)

Welcome address from IMP PAN – Conference co-organiser. Opening of the HF debates (PL)

09:45 **Piotr Śliwiński** (POLCOLD): Inauguration lecture:

The use of large dams for energy purposes today (PL)

10:05 **Magdalena Żmuda** (State Water Holding „Polish Waters”):

Inauguration lecture: *Renewable energy potential on the properties and infrastructure of "Polish Waters" State Water Holding – opportunities for the market and administration* (PL)

10:25 Coffee break

Session I: Pumped storage hydropower I

Session chaired by: **Janusz Łobacz** (Żarnowiec PSPP, Poland)

11:00 **M. Bernhard** (Tauron ESP): *Rożnów II Pumped Storage Power Plant - water, energy, safety* (PL)

11:20 **K. Jabłoński**, A.Lethel (Energoprojekt Warszawa):

Optimization of technical and environmental solutions for the Rożnów II Pumped-Storage Power Plant within the framework of the basic design project (PL).

11:40 **M. Ostraszewski**, J.Jurasz, B.Kaźmierczak (Wrocław University of Science and Technology):

Belchatow Pumped Storage Power Plant: energy storage potential and hydrologic constraints (PL)

12:00 Coffee break

Session II: Pumped storage hydropower II

Session chaired by: **Juliusz Kirejczyk** (independent consultant)

12:20 **M. Kaniecki** (Voith Hydro / IMP PAN): *Current trends in upgrading reversible hydraulic units for enhancing their operational elasticity and reliability* (PL)

12:40 **G. Salcher** (Voith Hydro, Austria): *Kruonis PSPP upgrade project*

13:10 **C. Yuting** (Wrocław University of Science and Technology):

Can Day-Ahead Arbitrage Support Pumped-Storage Investment? Evidence from Poland and Lithuania

13:30 Lunch break

14:30 **Debate I** **Technical and economic aspects of rising the regulatory and intervention power range in the electrical power system by means of pumped storage technology**

Debate chaired by: **Rafał Zasuń**, chief editor of „Wysokie Napięcie” (*High Voltage*) portal

16:00 Coffee break

CONFERENCE PROGRAMME (Day I)**21 October 2026****16:00 Coffee break****Session IV: Electrical power equipment and digital systems in hydropower industry**Session chaired by: **Arkadiusz Czarnecki** (ZEW Niedzica)

- 16:30 P. Kiciński** (Emerson): *Rehabilitation of the hydrogenerator excitation systems - from the control system replacement to the full upgrade* (PL)
- 16:50 Z. Ruścicki** (Dotcom): *Key security layers - operator stations in the control room* (PL)
- 17:10 A. Machalski, P. Szulc, J. Skrzypacz, P. Janik, Z. Satława** (Wrocław University of Science and Technology): *A digital hydraulic unit twin - integration of measurement data, computational models and operational support tools* (PL)
- 17:30 I. Ball** (WIP Renewable Energies, Munich): *Digitalising Hydropower for Europe: Lessons Learned from European Demonstration Projects*
- 17:50 M. Westeren, G. Opach** (Norconsult): *Norconsult - Internationally recognized hydropower consultant with local presence in Poland* (PL)

18:10 Closing of the 1st day debates**20:00 Conference reception („Warszawa” Hotel)****CONFERENCE PROGRAMME (Day II)****22 October 2026****9:00 Welcome addresses and opening of the debates (Warszawa” Hotel)****Session V: Performance and diagnostic tests under field conditions**Session chaired by: **Grzegorz Żywica** (Institute of Fluid-Flow Machinery of Polish Academy of Sciences)

- 09:10 W. Janicki** (IMP PAN): *Measurements in the service of hydropower I* (PL)
- 09:30 H. Bjørndal** (Norconsult): *Extended field measurements for condition assessment and potentially expanded operating range of hydropower unit*
- 09:50 A. Maurin** (IMP PAN): *System for measuring leakage through water turbine guide vanes* (PL)

10:10 Coffee break**Session VI: Small hydropower and hybrid systems of energy storage**Session chaired by: **B. Kuba Puchowski** (Piła Młyn / TRMEW)

- 10:30 E. Malicka** (TRMEW): *Development prospects of small hydropower plants in Poland in light of new legal regulations* (PL)
- 10:50 J. Marszałek** (MEWOS): *Financial analysis of 20 years of operation of a small hydropower plant. A case study based on the operations of MEWOS Sp. z o.o.* (PL)
- 11:10 M. Piękoś** (MPEC Kraków): *Investment process for the hydroelectric power plant on the heating network of MPEC Cracow Municipal Heating Energy Utility* (PL)
- 11:30 M. Ovaskainen** (Merus Power Plc, Finland): *Ultraviolet Detection of Corona Discharge for Condition Monitoring and Fault Diagnosis of Electrical Equipment at Hydropower Plants*

11:50 Coffee break**12:20 Debate II: New technologies for enhancing the role of classic hydropower plants in electrical power system regulation and safety provision**Session chaired by: **B. Kuba Puchowski** (Piła Młyn / TRMEW)**13:30 Lunch break****Partners**

CONFERENCE PROGRAMME (Day II)**22 October 2026****13:30 Lunch break****Session VIII: Hydraulic turbines and auxiliary equipment**Session chaired by: **Janusz Plutecki** (prof. em. of Wrocław University of Science and Technology)

- 14:30 Z. Krzemianowski**, J. Steller (IMP PAN)
A low head Francis turbine of high specific speed- design and laboratory tests (PL)
- 14:50 J. Kirejczyk** (consultant): *Fish survival rate in water turbines: a new design criterion (PL)*
- 15:10 P. Szulc** (Wrocław University of Science and Technology), A. Góralczyk (IMP PAN), W. Lorenz (WUST): *Diffuser geometry impact on the hydrokinetic turbine performance properties (PL)*
- 15:30 M. Hajdarowicz** (TG DNALOP):
Survey of contemporary water lubricated bearing systems of Thordon Bearings manufacture (PL)
- 15:50 P. Zariczny**, B. Ośmiałowski (TG DNALOP):
Upgrading hydraulic turbine guide bearings from oil to water lubrication – design considerations (PL)
- 16:10 J. Przydatek** (PFTechnology): *Application of self-cleaning and sedimentation filters in hydroelectric power plant process water systems (PL)*

16:30 Coffee break**Session IX: Hydraulic civil engineering structures and equipment**Session chaired by: **Zbigniew Pawlak & Kamil Jabłoński** (Energoprojekt Warszawa)

- 17:00 P. Punys** (VMU Agriculture Academy): *Hydrologic and hydraulic studies for the installation of a navigation lock at a large operational hydropower dam on a lowland river*
- 17:20 A. Polniak** (AQUA Tech): *Modern retention systems to combat drought and flooding (PL)*
- 17:40 W. Kosoń** (PR Inora): *Efficient sludge dewatering in SoilTain® synthetic containers as an effective method for increasing water retention (PL)*
- 18:00 W. Poręba** (HZBud):
Practical and technical challenges in the construction of hydraulic structures – lessons learned (PL)
- 18:20 L. Balcarczyk** (3D Format):
Up-to-date geodetical measurements in water reservoirs and hydropower plants (PL)

18:40 Closing of the Conference debates. Final announcements**19:30 Joint dinner („Warszawa” Hotel)****Abbreviations used**

IMP PAN	- Szewalski Institute of Fluid-Flow Machinery, Polish Academy of Sciences, Gdansk	WUST	- Wrocław University of Science and Technology
MPEC	- Municipal Heat Power Utility	TEW	- Polish Hydropower Association
NASU	- National Academy of Sciences of Ukraine	TRMEW	- Polish Association for Small Hydropower Development
PAN	- Polish Academy of Sciences	VMU	- Vytautas Magnus University, Kaunas, Lithuania

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STUDY TOUR

23 October 2026

The visit to Kruonis PSPP is organized exclusively for HYDROFORUM 2026 conference participants and their accompanying persons. Participation in the visit requires:

- notifying the Conference Secretariat of such an intention and making the payment by the deadline specified on the invoice;
- completing and sending us the questionnaire received from the organizers or downloaded from the HYDROFORUM website.

Participation may be registered via the registration form or by mail no later than October 12. Completed questionnaires must also be submitted by this date. Only in exceptional cases may registrations be accepted up to noon on the first day of the proceedings. In such instances, inclusion on the list will require additional approval from the hosts. The fee for the trip is PLN 300. This amount will be added to the conference participation invoice or listed on a separate invoice. The Organizing Committee reserves the right to grant discounts and fee waivers.

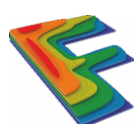
The study tour time-schedule

Time	Programme	Comments
7:15 CET	Departure from before the “Nad Netą” hotel	
7:30 CET	Departure from before the “Warszawa” hotel	
10:00 /11:00 EET	Arrival to Kruonis PSPP	Parking in front of the power plant entrance gate; (GPS 54.802297 N, 24.251443 E)
12:45/13:45 EET	Departure to Kaunas	
13:30/14:30 EET	Lunch at the “Bernelių užėiga” restaurant, in the Old Town of Kaunas (ul. M.Valančiaus 9)	Planned bus parking place: # 1 Jonavos Street Proposed parking place for personal cars at Jonavos Street or
14:30 /15:30 EET	Guided sight-seeing of Kaunas Old Town	Castle Parking Lot (GPS 54.899801 N, 23.887125 E)
16:30 /17:30 EET	Departure from Kaunas	
18:30 CET	Arrival to “Warszawa” hotel	
18:45 CET	Arrival to “Nad Netą” hotel	
19:30 CET	Farewall dinner at “Warszawa” hotel	

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