

Polish Hydropower Conference

RENEXPO® Poland 2017

EXPO XXI Center, Warsaw, October 26-27th, 2017

VIIIth Polish Hydropower Conference RENEXPO Poland

BULLETIN no 2 Conference Programme



Polish Hydropower Association (TEW)



The Szwalski
Institute of Fluid-Flow Machinery
of the Polish Academy of Sciences
(IMP PAN)



Polish Association for Development of
Small Hydropower Plants (TRMEW)



REECO Poland Sp. z O.O.



For 7 years already the annual RENEXPO Poland hydro-power conferences have been a platform of hot discussion on challenges encountered by the hydropower sector in Poland and our part of Europe in view of changes in its legal & administrative constraints, but also capabilities resulting from the hydropower potential, available technology and environmental requirements. Our events provide a unique opportunity for exchange of opinions and information on observed trends and prospects for the sector in the region, as well as experience on erection and operation of hydropower installations, new solutions to technical problems and the results of R&D efforts.

This year conference is connected with the XXVth anniversary of establishing the Polish Hydropower Association - the main organiser of the event. The honorary patronage of the conference has been taken over by Mr *Krzysztof Tchórzewski* and *Mariusz Gajda*, Polish Minister of Energy and Undersecretary in the Polish Ministry of Environment, respectively.

The first day debate will be dealing with issues of strategic significance for the hydropower sector, non-technical constraints for hydropower functioning and hydropower interrelationships with water management and inland navigation. These interrelationships will stand also in focus of the Panel Debate in the end of the first day. The second day will be largely devoted to selected projects, technical problems and results of R&D efforts. Following the example of previous years the debate will be carried out in Polish and English with simultaneous interpretation support.

Presentations delivered to the Organising Committee by October 16th will be loaded to flash disks delivered to the delegates together with Conference bags, provided the author consent is given. Other presentations will be made available - on the same basis - from the TEW websites. The papers prepared basing on selected contributions will be recommended for publication in the *Acta Energetica* and *Transactions of the Institute of Fluid-Flow Machinery* scientific quarterlies. The papers addressed to a broader circle of readers will be still published in the *Energetyka Wodna* basing on the recommendation issued by the Organising Committee. The conference package will comprise the annual subscription of *Energetyka Wodna*, access to the electronic version of presentations and printed proceedings with extended abstracts of conference contributions (up to two pages of Times Roman 10 pt print).

The Seventh International Fair for Renewable Energy and Energy Effectiveness

RENEXPO® Poland

EXPO XXI Center, Warsaw, 25-27/10/2017, ul. Gen. I. Prądzyńskiego 12/14, Warsaw, Poland

Conference venue

The Conference will debate in room C3 of the Warsaw **EX-PO XXI Center**, situated in the neighbourhood of the Warsaw West (Warszawa Zachodnia) Railway Station, at Gen. I. Prądzyńskiego St., 12/14. You can reach this site by car by turning from Prymasa Tysiąclecia Avenue into the M. Kasprzaka and J. Bema streets. The nearest bus stops are located at M. Kasprzaka and Tunelowa streets (ca 13 minutes by foot). Ca 23 minutes of walk are needed to reach the Conference venue from the Warsaw West Railway Station via the tunnel and the Tunelowa street

Joining the Conference

Participation in the Conference requires registration and payment of the conference fee. You can register to the Conference by sending a completed registration form at the following address: **Biuro Towarzystwa Elektrowni Wodnych, ul. Piaskowa 18, 84-240 Reda**, phone/fax: +48 58 678 79 51, e-mail: biuro@tew.pl. The registration form will be the basis for issuing an invoice for participation in the Conference. The following fees apply (net values, €):

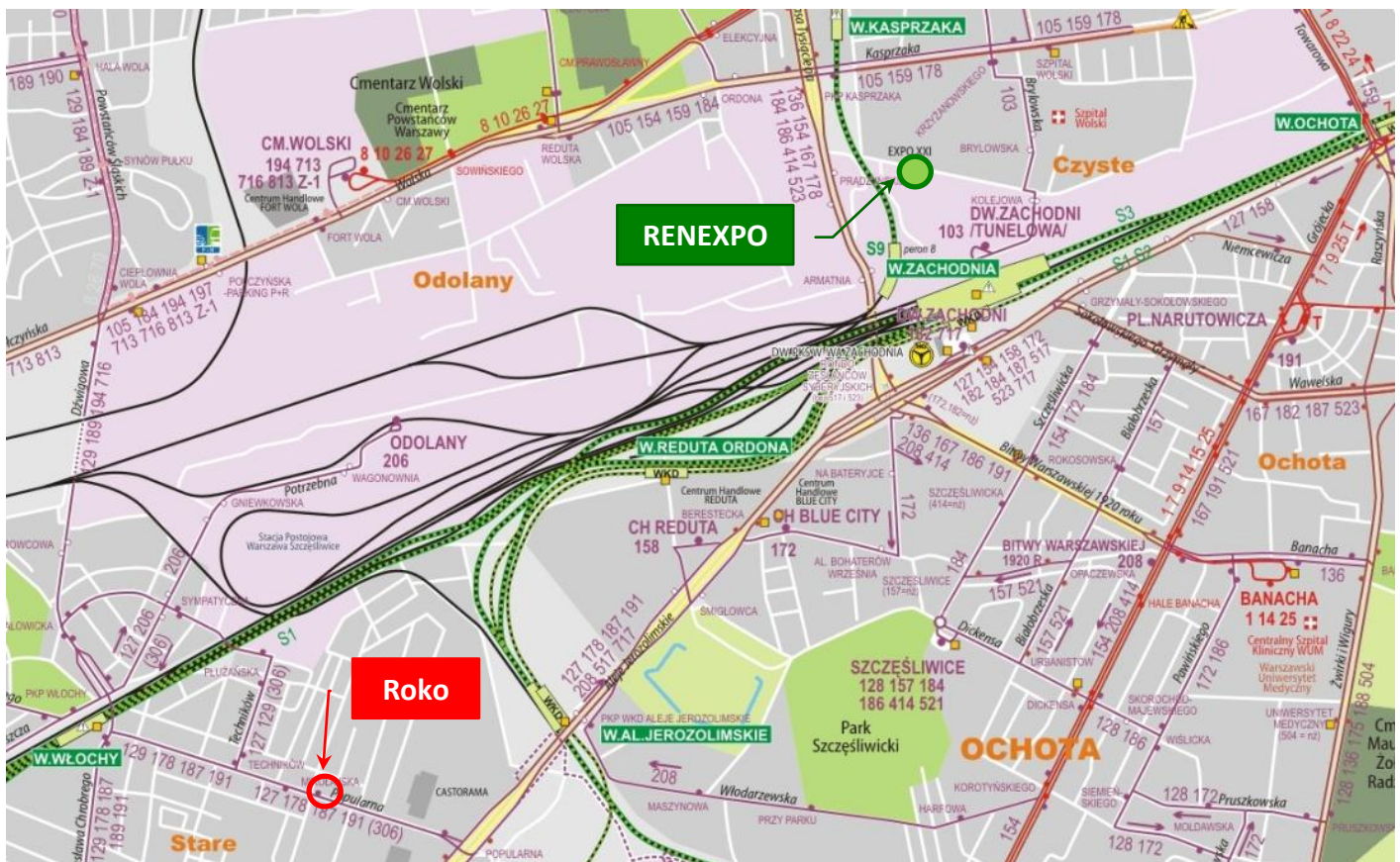
Application date	till 30.09	after 30.09
Basic fee	200	220
Members of national hydro-power associations and students	170	200
Authors* and session chairmen	120	140
TEW reception on October 25th	20	20

* Only non-commercial contributions.

The fee shall be paid at the TEW account, according to the invoice received. The conference fee covers participation costs, including the proceedings and the conference dinner at the end of the first day. The Organisers reserve themselves the right to apply special discounts and to issue free invitations for Conference guests. For further details and application forms please consult the TEW Office (☎ +48 58 678 79 51, biuro@tew.pl), TEW Hydropower Consulting Bureau (☎ +48 58 6995 130, pkew@imp.gda.pl) and our websites www.tew.pl, www.trmew.pl, www.imp.gda.pl, www.renexpo-warsaw.com. Till October 21st it will be still possible to register using the RENEXPO website or by sending the completed registration form at the TEW Hydropower Consulting Bureau or TEW Office - pkew@imp.gda.pl or biuro@tew.pl, respectively. After this deadline joining the Conference will be possible only at the Conference registration desk, open since 9:00, on October 26th without guarantee of receiving complete Conference package.

Conference dinner and TEW Reception

Conference Delegates are invited to the Conference Dinner taking place on the first day of the Conference in **Roko** hotel at Mikołajska 2 street (convenient municipal transport till 23:12 using bus lines 127 and 191). The cost of the dinner has been included in the Conference fee. However, Delegates, will be asked to confirm their participation at the Registration Desk. Delegates coming to Warsaw one day before are also invited to the reception of the Polish Hydropower Association on October 25th. This reception is free of charge solely for delegates of TEW National Assembly and TEW guests.



Conference programme

October 26th, 2017

9:00	Registration of the delegates
10:00	Welcome addresses and opening of the Conference
10:20	K.Trojanowska (TEW, Gdansk): <i>XXV years of the Polish Hydropower Association</i>
10:40	Coffee break
Session I: The status, trends and prospects for hydropower development	
11:00	A.Bartle (Aqua-Media, UK): <i>Global hydropower – achievements, challenges, activities</i>
11:20	S.Potashnik (Ukrhydroenergo, Kiev, Ukraine), M.Hlapuk (National University of Water Management and Natural Resources, Rivne, Ukraine): <i>The Golden Age of the Ukrainian hydropower</i>
11:40	B.Popa (University POLITEHNICA of Bucharest), F.Popa (ISPH Project Development, Bucharest): <i>Hydropower in Romania. Focus on Small Hydropower</i>
12:00	E.Kasiulis , P.Punys , A.Kvaraciejus , A.Dumbrasukas , L.Šilinis (A.Stulginskis University, Kaunas, Lithuania): <i>Hydropower potential at historic currently non-powered sites in EU countries</i>
12:20	M.Lis , J.Drzewicz-Karyś (“Energetyka Wodna” quarterly): <i>Investment projects in Polish hydropower - current state</i>
12:40	Lunch break
Session II: Water management and inland navigation as hydropower partners. Possible collaboration areas - Contributed papers	
13:40	W.Majewski (Institute of Meteorology and Water Management, National Research Institute, Warsaw): <i>2017 - the Vistula river year</i>
14:00	V.M.Galat (Ukrhidroproekt, Kharkov, Ukraine): <i>Development, operation and rehabilitation of the equipment of Ukrainian hydropower plant cascades and pumped storage plants</i>
14:20	S.Lewandowski (Hydroconsult/TEW, Poland): <i>Operation and maintenance of multifunctional water barrages - new proposals for cost division</i>
14:40	S.Lewandowski (Hydroconsult/TEW): <i>Dynamic flood storage control and assessment of its effectiveness</i>
15:00	Coffee break
Session III: Water management and inland navigation as hydropower partners. Possible collaboration areas - Panel debate	
15:30	S.Lewandowski (Hydroconsult/TEW): Introduction to the discussion
17:00	Closing of the 1st day debate
19:30	Conference dinner

Honorary patronage



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8:30	Registration of the delegates
Session IV: Good practices and experience on design, erection and operation of hydropower plants - Part I	
9:00	D.A.Tulin (Ukrhidroenergobud Consortium, Kiev, Ukraine) <i>Pumped storage power plants as an effective tool of peak load control in the power network. Erection and operation. The Ukrainian experience.</i>
9:20	L.Šilinis, P.Punys, E.Kasiulis, V.Vitkauskienė (A.Stulginskis University, Kaunas, Lithuania): <i>Nemunas river bed hydrodynamic modelling for hydropeaking assessment</i>
9:40	S.Gawron, T.Glinka (KOMEL, Katowice, Poland): <i>Hydropower and wind plants in joint operation</i>
10:00	Coffee break
Session V: Good practices and experience on design, erection and operation of hydropower plants - Part II	
10:30	E.Malicka (TRMEW): <i>Small hydropower plants in the new legal environment</i>
10:50	M.Kubecki (IOZE/TRMEW, Kielce, Poland): <i>Good practices in preparation of SHP investments under current legal constraints</i>
11:10	L.Kalina (IOZE, Kielce, Poland): <i>Archimedes screws - operational experience and new implementation prospects</i>
11:30	P.Ferenc, J.Burzawa (P&S a.s., Prague, Czech Republic): <i>Trash rack cleaners with crane equipment for the hydropower plant inlet gate maintenance</i>
11:50	Coffee break
Session VI: Test techniques and assessments of the hydropower equipment functional features	
12:20	A.Adamkowski, W.Janicki (IMP PAN, Gdańsk, Poland): <i>Selected experience on discharge measurement by means of the pressure-time method</i>
12:40	J.Steller (IMP PAN, Gdańsk, Poland): <i>On cavitation diagnostics in hydraulic machinery</i>
13:00	T.Widomski (Elpoma Elektronika Sp. z o.o., Łomianki, Poland): <i>The cyber-threat risk and consequences of the UTC desynchronisation in the hydropower automation systems</i>
13:20	Conference closure
13:30	Lunch break

Notation: IOZE - Institute of Renewable Energy Sources, Kielce, Poland

Conference sponsor



Publishing collaboration and media patronage

