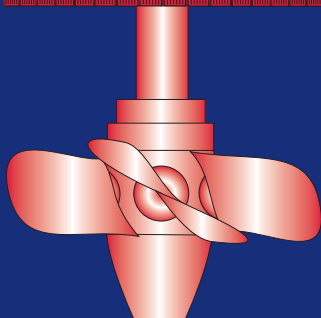




HYDRO 2018



Progress through Partnerships

will take place in the elegant city of
GDANSK, POLAND

at AMBEREXPO

15-17 October 2018

organized by

THE INTERNATIONAL JOURNAL ON
**HYDROPOWER
& DAMS**

● ● ● ● ● ● ● ● **Call for papers** ● ● ● ● ● ● ● ●

Supporting organizations include:



Regular updates will be posted on our website, and published in *Hydropower & Dams*
Enquiries may be addressed to: Mrs Margaret Bourke, *Hydropower & Dams*, Aqua~Media International Ltd, UK
• Email: Hydro2018@hydropower-dams.com • Tel: + 44 20 8773 7244

www.hydropower-dams.com

HYDRO 2018 MISSION AND SCOPE

HYDRO 2018 will be the 25th in Aqua-Media's series of international events hosted in Europe, and will once again be the most significant conference and exhibition of the year for the global hydropower community. The annual conferences have become renowned as the most international gatherings in the profession, with delegations representing all countries with major hydro development programmes underway. An exchange of experience is encouraged on practical and topical issues, and an international steering committee works with the Aqua-Media team to ensure the high quality of papers accepted.

The event will bring together delegations from around 75-80 nations, sharing the common interest of advancing hydro development in all parts of the world. Lessons from past experience will be reviewed, achievements will be showcased, and new challenges will be tackled. The conference sub-title 'Progress through Partnerships' highlights the underlying theme of international collaboration which will be the basis for discussions. The location aims to facilitate participation from more countries in the Central Asian and eastern European region.

Emphasis will be on helping the less developed countries to unlock their hydro potential to advance socio-economic development, on cross-border collaboration and regional projects, and on maximising the potential to increase hydro capacity in the industrialized countries. Timely maintenance of existing hydro assets is another key theme, along with designing for the sustainability of greenfield projects.



WHO SHOULD ATTEND?

All who are involved in researching, planning, designing, financing, constructing, supplying, operating and maintaining hydro plants and associated civil structures should not miss the opportunity to join this international forum.

Other key participants will be specialists on environmental and social issues, climate, energy economics, disaster risk management, cyber security, and broader aspects of renewable energy.

COLLABORATION AND CO-LOCATED EVENTS

Professional associations such as ICOLD and the International Energy Agency will lead some of the technical sessions.

Itaipu Binacional is planning to hold its third Global Hydropower Operators' Symposium, giving operators of major powerplants in the world such as Itaipu and Three Gorges an opportunity to exchange experience on operational issues and maintenance. This will be by invitation, but the organizers welcome expressions of interest. Please contact Aqua-Media if you are interested in attending.

Another pre-Conference Workshop 'Design a small hydropower project in one day' will be held prior to HYDRO 2018. It will be the fourth in a series of extremely successful workshops on this subject.

AMI HYDROPOWER FOUNDATION



This is an independent charitable foundation, governed by an international board of trustees, set up in 2007 with the principal aim of facilitating the participation at the annual Hydro Conferences of delegates from the less developed and developing countries, and others with current economic difficulties.

Details of the application process for funding can be found on the dedicated web page, at: www.hydropower-dams.com

Fully completed applications, with supporting references, must be received by the organizers at least 10 weeks prior to the date of the conference, to allow sufficient time for processing by the trustees.

Successful applicants will normally be granted assistance to cover the conference registration fees, and in some cases accommodation. Travel expenses will generally not be covered, although in some exceptional cases, contributions towards travel costs may be granted.

If you or your company would like to make a donation to the Foundation, you will have the opportunity to do so at the time of registration.

THE INTERNATIONAL STEERING COMMITTEE INCLUDES:

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H.I. Aker, Turkey
J. Antunes Sobrinho, Brazil
I. Araki, Japan
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H. Obermoser, Switzerland
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M. Stepniewska, Poland
J. Szpadzik, Poland
B. Tardieu, France
J. Teyssieux, France
J. Thanopoulos, Greece
B. Trouille, USA
C.V.J. Varma, India
O. Westberg, Norway
D.A. Williams, UK
G. Zenz, Austria

MAIN CONFERENCE THEMES

Abstracts are now invited on the following, and related, topics. The themes set out below do not represent the final titles of sessions, which will be decided when papers have been selected for presentation. If you would like to suggest an additional subject for discussion which is not listed below, this could be considered for a session, panel discussion or workshop.

Development opportunities

- Hydro potential and development plans
- Regional sessions
- Retrofitting and upgrading

Technical innovation

- New developments in large and small hydro machinery
- Modelling and testing
- Marine technology
- Operational issues
- Environmentally friendly machines

International collaboration

- Cross-border projects and power trading
- Regional planning
- The role of power pools
- Technology transfer

Environmental and social aspects

- Impact assessment and mitigation measures
- Protecting flora and fauna
- Greenhouse gas emissions
- Stakeholder communications
- Resettlement programmes

Hazard and risk

- Climate resilience: policies and practical plans
- Flood mitigation and management
- Earthquakes and landslides: lessons from past incidents
- Emergency planning



- Cyber security
- Powerplant safety
- Challenging sites

Civil engineering

- Dam design and construction
- Materials for dams
- Intakes, gateworks and spillways
- Dam safety and monitoring
- Alkali aggregate reaction
- Refurbishment of civil structures
- Safety of workers on site

Training and capacity building

- Review of training needs and new approaches
- Student programmes and succession planning
- Raising awareness of the engineering profession
- Experiences of young engineers
- Capacity building in the less developed countries

Project finance and contractual issues

- Progress in attracting private finance
- Legal and insurance issues
- Risk allocation and management
- Public-private partnerships
- Innovative contractual arrangements
- Valuing hydropower services

Pumped storage

- Innovative technology
- Benefits to the grid: case studies
- Developments in machinery
- New planned projects

Extending the life of hydro assets

- Condition monitoring
- Operation and maintenance
- Timely refurbishment
- Case studies

Sedimentation management

- Design measures to avoid siltation
- Sediment removal systems
- Case studies

Small and low-head hydro

- New developments in machinery
- Isolated schemes for rural electrification
- Low cost technology
- Innovative civil works



HYDRO 2018 EXHIBITION AND SPONSORSHIP

A major element of the HYDRO 2018 event will be the Technical Exhibition, running for three days alongside the conference (15 to 17 October). The spacious, purpose-built exhibition pavilions will be the main hub for business networking, between delegates and the industry representatives who will be exhibiting their supplies and services. Exhibitors typically comprise consultants, contractors, manufacturers, developers and professional associations.

All lunch and refreshments will be served in the exhibition pavilions, with catering points arranged to ensure that delegates will move around the whole area regularly during the three days. Feedback from previous events indicates that delegates maximize the opportunities to circulate in the exhibition, and that valuable contacts are made, which are maintained after the event. The pavilion will remain open for a networking event after the conference sessions on Tuesday 16 October, to provide extra opportunities for business meetings in an informal atmosphere.

Stands are sold in units of 6 m² and 9 m², and multiple units can be combined to create larger displays. Standard or custom-built stands can be arranged.

Sponsorship packages are available for various items associated with the event. This can be an excellent way of making your company stand out among competitors.

TECHNICAL EXHIBITION PLAN AND PRICING

Single stand prices:

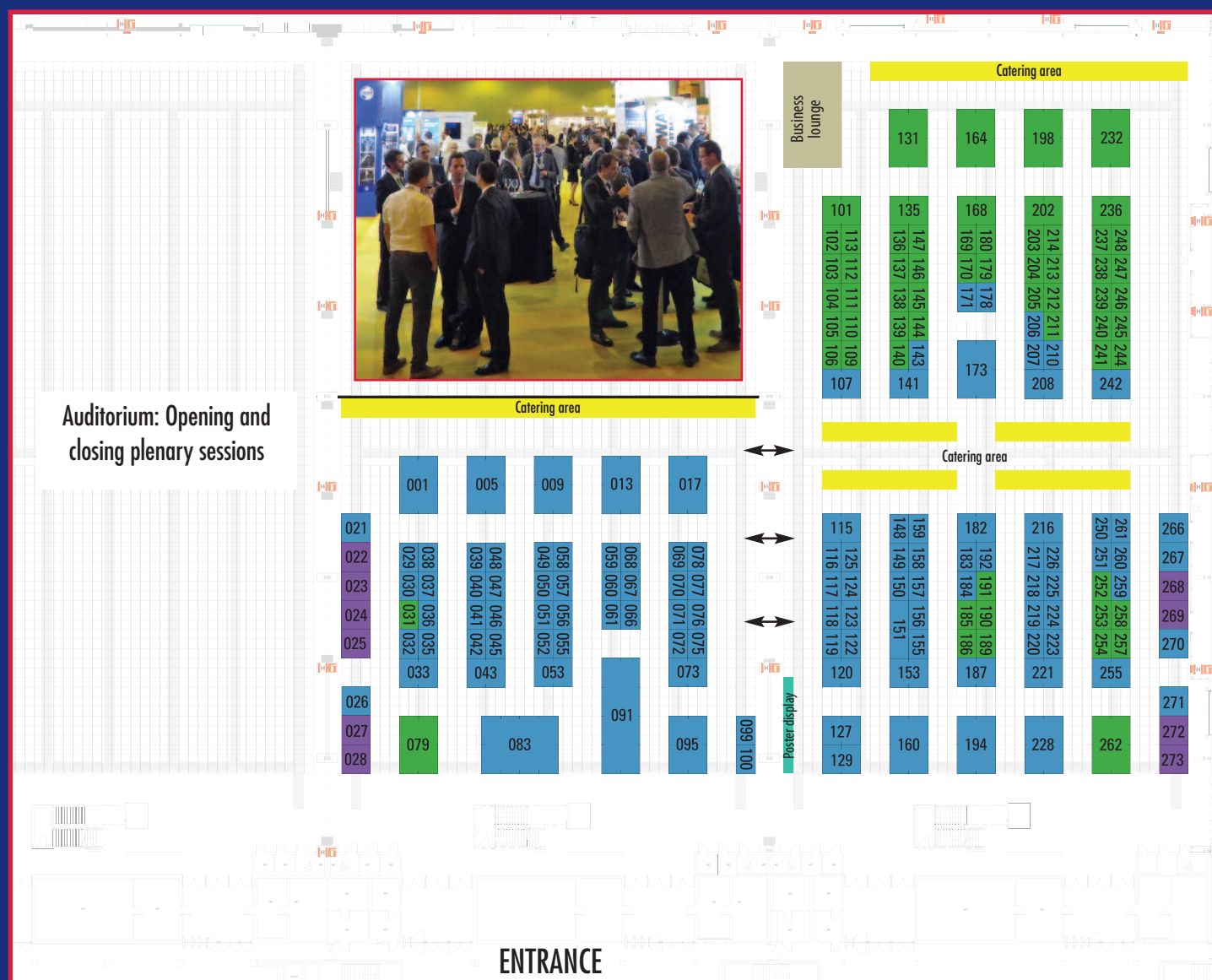


3 x 2 m (6 m²) = €3125



3 x 3 m (9 m²) = €4650

(Blue denotes reserved)



VOITH



KONČAR

WaterGenPower

EXHIBITION STANDS BOOKED

Stands reserved, as of January 2018:

Adams Schweiz AG, Switzerland	www.adams-armaturen.ch	58	Lloyd Dynamowerke, Germany	www.ldw.de	72
Alconza, Spain	www.alconza.com	178	Mannvit, Iceland	www.mannvit.is	187
Alpiq AG, Switzerland	www.alpiq.com	124	Mavel a.s., Czech Republic	www.mavel.cz	148
American Hydro Corporation, USA	www.wartsila.com	71	MC - Monitoring SA, Switzerland	www.mc-monitoring.com	29
API spa Trash Rakes, Italy	www.apispa.net	123	Meggitt, Switzerland	www.meggittsensing.com	261
Aqua-Tech Sp z o. o., Poland	www.aqua-tech.info.pl	32	Montanhydraulik, Germany	www.montanhydraulik.com	150
AquaVision Engineering Sàrl, Switzerland	www.aquavision-eng.ch	51	Mott MacDonald, UK	www.mottmac.com	35
Armatury Group, Czech Republic	www.armaturygroup.cz	76	Multiconsult, Norway	www.multiconsultgroup.com	91
Artelia, France	www.arteliagroup.com	55	National Electric Coil, USA	www.highvoltagecoils.com	56
ATB Riva Calzoni, Italy	www.atbrivacalzoni.com	141	Norconsult AS, Norway	www.norconsult.com	91
Bilfinger VAM Anlagentechnik, Austria	www.vam.bilfinger.com	171	Norwegian Energy Partners, Norway	www.norwep.com	91
Brødrene Dahl AS, Norway	www.dahl.no	91	Obermeyer Hydro Inc, USA	www.obermeyerhydro.com	158
Brüel & Kjær Vibro, Austria	www.bkvvibro.com	52	Oiles, Germany	www.oiles.de	78
Carpi Tech, Switzerland	www.carpitech.com	107	Omexom, France	www.omexom.com	242
CG Ganz Generator & Motor, Hungary	www.cgglobal.com	1	Parker Hannifin, Germany	www.parker.com	57
CIB Srl Carpenteria Industriale Bresciana, Italy	www.cibcarpenterie.com	21	Powel AS, Norway	www.powel.no	91
CKD Blansko, Czech Republic	www.ckdblansko.cz	68	Power Vision Engineering Sàrl, Switzerland	www.powervision-eng.ch	51
D2FC Energy Valves, France	www.d2fc.com	59	Promote Iceland	www.islandsstofa.is	TBC
DSD Noell GmbH, Germany	www.dsd-noell.com	115	Rainpower, Norway	www.rainpower.no	91
Dyrhoff, UK	www.dyrhoff.co.uk	45	Rialex Crane Systems, Poland	www.rialex.com.pl	207
Efla, Iceland	www.efla-engineers.com	TBC	Rittmeyer AG, Switzerland	www.rittmeyer.com	100
Energi Teknikk, Norway	www.energi-teknikk.no	91	Rockfin Sp z o.o., Poland	www.rockfin.com.pl	67
EOMAP, Germany	www.eomap.com	192	Rubberart, Brazil	www.rubberart.com.br	41
EPFL-LMH, Switzerland	www.epfl.ch	51	Ruhfus Systemhydraulik, Germany	www.ruhfus.com	38
F. Nencini, Italy	www.nencini.com	36	Sadafzar, Iran	www.sadafzar.ir	251
Fanavary Novin Niroo, Iran	www.fnn-co.com	48	Sedicon, Norway	www.sedicon.no	66
Farab, Iran	www.farab.com	95	Ševčík Hydro s.r.o., Czech Republic	www.sevcik-vz.cz	116
Federal Mogul Deva GmbH, Germany	www.deva.de	73	Siemens, Germany	www.siemens.com	120
Fishtek Ltd, UK	www.fishtek.co.uk	122	SKF Sealing Solutions, Austria	www.skf.com/seals	39
Flame Spray, Italy	www.flamespray.org	60	Sparks Instruments, Switzerland	www.sparksinstruments.com	29
Gamesa Electric, Spain	www.gamesaelectric.com	129	STE Energy, Italy	www.ste-energy.com	69
GE Renewable Energy	www.gerenewableenergy.com	83	Stucky Ltd, Switzerland	www.stucky.ch	125
Gibb, South Africa	www.gibb.co.za	49	Tacquet Industries, France	www.tacquet-industries.fr	151
Gilkes, UK	www.gilkes.com	TBC	Talleres Aratz, Spain	www.talleresaratz.com	50
Global Hydro Energy, Austria	www.global-hydro.eu	208	TBHydro Ltd, Poland	www.tbhydro.com.pl	99
Glual Hydraulics, Spain	www.glual.com	75	TES Vsetín, Czech Republic	www.tes.cz	117
Hibbard Inshore, USA	www.hibbardinshore.com	118	Thordon Bearings Inc, Canada	www.thordonbearings.com	61
Hongcheng Hydro Valve, China	www.hbhc.com.cn	47	Tis Service, Italy	www.latis-service.com	271
HPP, France	www.hydropowerplant.com	156	Trelleborg Bohemia, a.s, Czech Republic	www.trelleborg.com	206
Hydac International, Germany	www.hydac.de	70	Troyer SpA, Italy	www.troyer.it	149
Hydroalp, Italy	www.hydroalp.com	250	Ultraflux S.A., France	www.ultraflux.com	184
Hydrokarst Group, France	www.hydrokarst.fr	210	University of Technology Graz, Austria	www.tugraz.at	119
Hydroplus, France	www.hydroplus.com	242	Valco Group, France	www.valcogroup.fr	59
HydroVision GmbH, Germany	www.hydrovision.de	155	Valmet Automation, Finland	www.valmet.com	159
ICOLD (International Commission on Large Dams)	www.icold-cigb.org	TBC	Vatnaskil, Iceland	www.vatnaskil.is	187
IHC Vremac Cylinder BV, The Netherlands	www.ihcvremac.com	26	Verkis, Iceland	www.verkis.com	187
Ikon Ideea, Romania	www.ikonideea.ro	157	Vinci, France	www.vinci.com	242
IMHP, Spain	www.imhp.es	9	Voith Hydro, Germany	www.voithhydro.com	17
Indar Electric S.L, Spain	www.indar.net	255	Vortex Hydra, Italy	www.vortexhydradams.com	46
Jeumont Electric, France	www.jeumontelectric.com	33	Walo Bertschinger AG, Switzerland	www.walo.ch	183
KGAL Consulting Engineers Ltd, UK	www.KGALGlobal.com	266	WaterGenPower, Italy	www.watergenpower.eu	160
Kolektor Turboinstitut d.o.o, Slovenia	www.turboinstitut.com	40	Whessoe Sdn Bhd, Malaysia	www.whessoe.com.my	267
Končar, Croatia	www.koncar.hr	13	Worthington Products, USA	www.tuffboom.com	42
Künz, Austria	www.kuenz.com	77	Zeco srl, Italy	www.zeco.it	37
Landsvirkjun Power, Iceland	www.lvpower.is	187	ZRE Gdańsk S.A., Poland	www.zregdansk.pl	30
Leroy Somer, France	www.leroysoyer.com	153			
Litostroj Power, Slovenia	www.litostrojpower.eu	173			

(Bold type denotes a Conference Sponsor)

To receive further details of the exhibition and/or sponsorship opportunities, please contact:

Dr Lukas Port, Mrs Maria Loreda or Mrs Melanie Ganz • Tel: + 44 20 8773 7250/7251/7252 • Email: sales@hydropower-dams.com

Alternatively we invite you to book exhibition space online via our website: www.hydropower-dams.com

POLAND WELCOMES HYDRO 2018

The local utility Energa, the Polish Hydropower Association and the Polish Association for Small Hydropower enthusiastically welcome the international hydropower community to Poland next year. While hydropower plays a modest role in the country's energy mix, new schemes could now be developed alongside a major inland waterway project which is planned.

A significant portion of the country's large hydro capacity is pumped storage (1500 MW of the total capacity of 2296 MW). There are six pumped-storage plants, of which the largest is Zarnowiec (716 MW).

Poland has around 994 MW of small hydropower, with more under development.

HYDRO 2018 HOST CITY

Gdansk, on Poland's Baltic coast, is one of the country's most elegant and fascinating cities. It has played a significant role in Polish history. Notably in 1980, it was the birthplace of the Solidarity movement, which had a profound influence not only on Poland, but on the entire eastern European region.

The centre of the old town is characterised by colourful facades, for example in the Long Market, which is full of small shops and gourmet restaurants. Nearby is the Neptune Fountain, a 17th century symbol of the city, topped by a bronze statue of the sea god. The 14th century Town Hall houses the city's historical museum. Other places to be explored include: the 16th century Oliwa cathedral, featuring baroque and rococo architecture, and Artus Court, a former meeting place of merchants.

The Green Gate is another attraction, located on the water front between Long Market and the River Motława. The magnificent four-arched gatehouse was built between 1568 and 1571, and reflects the Flemish architectural influence in Gdansk.

Gdansk, named as one of the Best European Destinations in 2017, is also a centre for the world's amber trade.

Accommodation is being reserved in hotels in all categories, in the picturesque centre of the city, with some hotels overlooking the canals. A shuttle service will be provided to Amber Expo, where the conference and exhibition will take place.



SOCIAL AND CULTURAL PROGRAMME

Cultural tours for accompanying persons are planned to include visits to some of the cultural sites in and around Gdansk, as well as to Malbork castle, the largest Gothic fortress in Europe, and a UNESCO World Heritage-listed site.

There will also be a chance to tour the European Solidarity Centre, which is today a museum and library. The Welcome Reception is to be held there.

The Gala Dinner is planned to be held at the Baltic Philharmonic Concert Hall, located in one of the most beautiful parts of the city.

STUDY TOURS

In collaboration with the local utility Energa and the Polish Hydropower Association, post-Conference tours are being planned to some of Poland's large dams, pumped-storage plants, and mini hydro installations. Details will be announced soon.



SUBMISSION OF ABSTRACTS

Abstracts are now invited on the themes listed or related topics. Please email abstracts to the address given below. A short CV of each author and any co-authors should be included.

FORMAT REQUIREMENTS

Your abstract should be up to 800 words long, in English, and should summarize precisely the scope and content of the proposed paper. In the case of any project described, please mention its current status or date of completion. It would be helpful to suggest the theme for which your paper would be best suited.

Please incorporate the author's name in the file name of the abstract, which should be submitted as a Word document and PDF.

ATTENDANCE OF THE CONFERENCE

Please note that abstracts should only be submitted if the author would be able to attend the conference (or send a representative). Please obtain any necessary clearance, and check your availability to attend, before submitting the abstract.

If your paper is accepted, you will be asked to sign a form confirming your willingness to attend; it is essential that we receive this undertaking before allocating time for an oral presentation.

If you have had a paper accepted in the past, and have not attended to present it, you may be asked to register before acceptance of your paper for HYDRO 2018 can be confirmed.

Speakers will be eligible for greatly reduced registration fees, which will include meals and social events during the conference. In the case of speakers from less

developed countries, in some exceptional circumstances, we may be able to secure financial support to cover fees, but it is essential that we know this at the time when the abstract is submitted.

The final deadline for receipt of abstracts is **16 February 2018**. However it is useful for us, in planning the sessions, to receive submissions as early as possible. Authors will be notified by May 2018 whether or not their paper has been accepted for presentation, or for publication in the Proceedings.

Abstracts will generally be reviewed by two or more experts on our International Steering Committee, and you may be asked to modify some aspects of your proposed paper. As this review process takes some time, we urge you to submit abstracts promptly (if possible well before the deadline).

Full papers will be required by **21 August 2018**, and format guidelines will be sent to all authors whose papers are accepted.

A PDF and Word document of each final paper will be required.

Details of the technical and social programmes, information about the excursions, accommodation and registration fees, will be updated in *H&D Journal*, in mailings, in update brochures and on our website (see web address below).

HYDROPOWER & DAMS

Personal subscribers to *Hydropower & Dams* will be eligible for reduced registration fees. A new subscription can be ordered now, by contacting Mrs Maria Flintan at: subs@hydropower-dams.com or on line at:

www.hydropower-dams.com

HYDRO 2018 ~ Progress through Partnerships

AMBEREXPO, Gdansk, Poland ~ 15 to 17 October 2018

- ☐ I am interested in attending the Conference and Exhibition as a delegate. Please send further details.
- ☐ I attach/enclose an abstract for consideration. If it is accepted, I or a colleague will attend the conference to make the presentation.
- ☐ I intend to submit an abstract by Friday 16 February at the latest.
- ☐ My organization may wish to participate in the Exhibition. Please send further details.
- ☐ I am interested in sponsorship opportunities (coffee breaks, lunches, social events, entertainment, WiFi, etc). Please send details.

Name: Position/Dept:

Organization:

Address:

Country: Email:

Fax: (+ int. code) Tel: (+ int. code)

Proposed paper title topic:

Return to: HYDRO 2018, Mrs Margaret Bourke, Conference Project Manager, Aqua~Media International, PO Box 285, Wallington, Surrey SM6 6AN, UK. Tel: +44 20 8773 7244 Fax: + 44 20 8773 7255 Email: Hydro2018@hydropower-dams.com

