

VGB EXPERT EVENT “DIGITALIZATION IN HYDROPOWER 2020” Implemented innovative digital measures, products and tools

as
WEB CONGRESS
with
WEBINAR AND VIRTUAL TRADE FAIR
(10 – 12 November 2020)



Individual success through exchange of experience



... is the first address in techno-economic and environmental issues and functions as the collective European platform and the key representative for the hydropower community.

VGB EXPERT EVENT “DIGITALIZATION IN HYDROPOWER 2020” – WEB CONGRESS

The web congress consists of

- a webinar with more than 15 lectures and the opportunity for a business speed dating
- a virtual trade fair consisting of
 - exhibition stands and
 - lecture forums from companies

The web congress language is English.

WEBINAR

Enhanced digital controls can contribute to improving the performance of hydropower fleets, plants and equipment by reducing costs and optimising asset management. Digital control systems can also play a major role in improving decision-making and supporting operations to work more efficiently.

The webinar will provide a comprehensive overview of all topics regarding digitalization in hydropower, dealing mainly with the results of newly developed and implemented innovative digital measures, products and tools.

To get in touch with business experts from operators, manufacturers and consultants we offer the possibility to take part in a special business speed dating.

VIRTUAL TRADE FAIR

Exhibition Stands

The virtual exhibition will offer a personal exchange between providers and interested parties. Leading operator and manufacturer companies will inform you about current products, solutions and services in hydropower. Take the opportunity to consult experts and exchange ideas to build up your network.

Lecture Forums from Companies

In addition to the webinar programme, lecture forums for specific subjects from a business standpoint are available as part of the virtual trade fair.

IN COOPERATION WITH

Verbund

Lorenz
KOMMUNIKATION

REGISTRATION

For the participation in the VGB Expert Event we offer a web congress ticket and a free virtual trade fair ticket.

Web Congress Ticket

With the web congress ticket you receive access to the webinar and the opportunity for the special business speed dating as well as to the virtual trade fair. Additionally all presentations and recordings will be made available to you after the web congress.

Non-VGB members	€ 600.-
VGB members	€ 450.-
Universities	€ 300.-

The fees of the ticket are free of VAT.

Please note that the registration is binding. We will confirm your registration by sending the invoice. Please mention the company's invoice address with all other necessary data.

Virtual Trade Fair Ticket

With the virtual trade fair ticket you receive access to the exhibition stands and to the lecture forums from companies.

Virtual trade fair ticket	FREE
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Ticket Registration

All participants of the web congress are requested to register online.

[Online Registration](#)

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Have direct access to the [event website](#) and take a look to our [teaservideo](#).

We guarantee for our web congress DSGVO/GDPR conformity as a matter of course.

VGB EXPERT EVENT – PROGRAMME

TUESDAY – 10 NOVEMBER 2020	
09.00	OPENING OF THE VGB EXPERT EVENT and opening of the virtual trade fair
09.30	Lecture Forums from Companies Business Speed Dating
Webinar	
12.30	Welcome and opening of the expert event Dr K. H. Gruber; Chairman of VGB's Strategic Forum "Hydro" (VERBUND Hydro Power GmbH)
13.00	SESSION 1: Innovative tools eDocumentation - a new approach Dr F. Lippold (Voith Hydro Holding GmbH & Co. KG) Digitization@Uniper hydro - Applications, Experiences & Initiatives Dr C. Kunze, Dr K. Engels, B. Miller (Uniper Kraftwerke GmbH) Digital Twins: Making Maintenance Predictive T. Alberts (ITficient AG)
14.30	Break
15.00	SESSION 2: Advanced data analytics Predictive software for sustainable hydro operations R. Martini (ABB AG) Cloud data based maintenance and its benefits for optimising performance of hydropower plants B. Steininger (Seamtec GmbH) Where do I get my data from? A. Postolov (Rittmeyer AG)
16.30	Closing of the webinar
17.00	Closing of the virtual trade fair

WEDNESDAY – 11 NOVEMBER 2020	
09.00	Opening of the virtual trade fair
09.30	Lecture Forums from Companies Business Speed Dating
Webinar	
13.00	SESSION 3: Performance optimisation Digitization of turbine geometries for computational fluid dynamics and other studies achieving the necessary accuracy L. Sörensen (Scan3D Dienstleistungsgesellschaft mbH) Digital O&M - From monitoring to asset management Dr E. Parkinson, C. Vecchiato (ANDRITZ Hydro GmbH) Additional value of quality assurance through 3D - Metrology for hydro components A. Wurm (GEOs3D Geodetic and Industrial Surveying GmbH)
14.30	Break
15.00	SESSION 4: Practical applications of predictive maintenance Optimized model predictive control for run-of-river power plants at river Drau in Austria Dr O. Buchholz (HYDROTEC) Digitization of hydraulic auxiliary systems in hydropower plants C. Schneeweis (HYDAC International GmbH) HydroPlan - dynamic non-linear modelling of Hydropower Plants F. Haller, D. Wimmesberger (DAGOPT Optimization Technologies GmbH), B. Gotthardt (Salzburg AG)
16.30	Closing of the webinar
17.00	Closing of the virtual trade fair

THURSDAY – 12 NOVEMBER 2020	
09.00	Opening of the virtual trade fair
09.30	Lecture Forums from Companies Business Speed Dating
Webinar	
13.00	SESSION 5: Environmental performance and geo-information systems Snow Power – Unmanned Aerial Vehicle (UAV) based snow depth measurement using digital photogrammetry supporting snowmelt forecast in alpine regions Dr S. Frey (Verbund Trading GmbH), MSc C. Katzler (VUM Verfahren Umwelt Management GmbH) Benefits of modern 3D Visualization: 3 Usecases in Salzburg AG Hydro Power Plants M. Matschl (Salzburg AG), Dr T. Nemetz (Ocean Maps GmbH) Virtual River 4.0 - Quality management and training for HPP and flood protection systems G. Reichel (GR-Consulting e.U.)
14.30	Closing words Dr M. Bachhiesl (VGB PowerTech e.V.)
14.45	Closing of the webinar
	
<p>Take the opportunity to consult experts at our virtual trade fair.</p>	
17.00	Closing of the virtual trade fair