

## PROGRAM IGHEM Vancouver (Version 6)

<b>August 11, 2024</b>	<b>Sunday</b>
18:00	<b>Registration and Welcome Beer Ice Breaker for IGHEM participants</b> Brown's Craft House University of British Columbia <a href="https://www.browncrafthouse.com/ubc">https://www.browncrafthouse.com/ubc</a> 101 - 6111 University Blvd, Vancouver, BC
<b>August 12, 2024</b>	<b>Monday</b>
8:00 - 8:55	Registration
9:00 - 9:05	Land acknowledgement <i>Jan Buermans, Conference Chair</i>
9.05 - 9:10	Words of welcome on behalf of the UBC's Civil Engineering department <i>Faheem Sadeque</i>
9:10 – 9:20	Introducing words <i>Thomas Staubli, President of IGHEM</i>
9:20 – 10:00	BC Hydro Progress Site “C” a 1,100 MW Greenfield Hydro Plant <i>Katie Taylor</i>
10:00 – 10:30	Coffee Break
<b>Session 1</b>	<b>Experience with field testing I</b>
10:30 - 11:00	A Summary of Guarantee Fulfillment in Turbine Performance – Analyzing 15 Years of Turbine Efficiency Measurements <i>Harald Hulaas, Ingvild Lunder, Erik Nielsen</i>
11:00 - 11:30	Experience with Comparative Discharge Evaluation in Hydro Power Plants <i>André Abgottspon, Thomas Staubli, Urban Gerold</i>
11:30 - 12:00	Discharge Flow Measurement of CNR's Low Head Bulb Turbine at Beaucaire Hydropower Plant <i>Pierre Roumieu, Theophane Foggia, Eric Lepy, Marie de Vignes, Boris Havard</i>
12:00 - 13:30	Lunch
<b>Session 2</b>	<b>Experience with field testing II</b>
13:30 - 14:00	Bulb Turbine Performance Evaluation <i>Gregor Höfer, Bernhard List</i>
14:00 - 14:30	Relative Flow Measurement with the Pitot Principle by Means of Sampling Probe and Spiral Case Inlet Pressure <i>Efstathios Sidiropoulos, Marco Eissner</i>
14:30 - 15:00	Field Performance Test Experience using Acoustic Flow Measurement in Penstock <i>Albert Mikhail, Steve Mockler, Oliver Betz</i>
15:00 - 15:30	Coffee Break
<b>Session 3</b>	<b>Innovation</b>

15:30 - 16:00	Simultaneous Calibration of Relative Flow Metering Systems within a Hydraulic Network <i>Johannes Lanzersdorfer</i>
16:00 - 16:30	Data Acquisition Method for Use of Paroscientific Transducers in Pressure-Time Measurement <i>Eugenio Cuesta, Jean-Sébastien Dufour</i>
16:30 - 17:00	Integrating Computational Fluid Dynamics, Artificial Intelligence, and Experimental Testing for Revolutionary Hydraulic Pump Optimization: A Novel Approach <i>Roberto Meira Jr, M. Machada, N. A. Renno</i>
17:00 - 17:30	Open Discussion Round on Weirs, Standardized Differential Pressure Device, Volumetric Gauging Method, Electromagnetic Flow meters <i>All</i>
20:00 -	<b>Gala Dinner:</b> Wildlight Restaurant, #107-5380 University Blvd <a href="http://www.wildlightrestaurant.ca">www.wildlightrestaurant.ca</a>
<b>August 13, 2024</b>	<b>Tuesday</b>
<b>Session 4</b>	<b>Pressure-time method</b>
8:30 - 9:00	Extension of the Pressure Time Method to 3-Dimensional Flows <i>Merhad Kalantar Neyestanaki, Georgiana Dunca, Pontus Jonsson, Michel J. Cervantes</i>
9:00 - 9:30	Comparison of Pressure Differential Determination Methods for the Pressure-Time Method <i>Petr Ševčík, Lukáš Rinka</i>
9:30 - 10:00	Comparison of the Acoustic Transit Time and Pressure-Time Discharge Measurements <i>Harald Hulaas, Ingvild Lunder, Erik Nilsen</i>
10:00-10:30	Coffee Break
<b>Session 5</b>	<b>Acoustic flow metering</b>
10:30 - 11:00	Analysis of the Flow Conditions in the Ova Spin Pumped Storage Plant and their Impact on Acoustic Discharge Measurement <i>Florian Fahrni, Thomas Staubli, Urban Gerold</i>
11:00 - 11:30	ASFM Discharge Measurement at CNR's Montélimar and Beauchastel Hydropower Plants <i>Dave Billenness, Pierre Roumieau, Jan Buermans, David Lemon</i>
11:30 - 12:00	Turbine Efficiency Measurements for Low Head Hydroelectric Units using Acoustic Flow Method <i>Albert Mikhail, Marc Mantha, Oliver Betz</i>
12:00 – 13:30	Lunch
<b>Session 6</b>	<b>Local velocity measurements</b>
13:30 - 14:00	Current Meters Discharge Measurements Downstream the Units – Test Cases and General Evaluations <i>Gianalberto Grego, Fabrizio Ormando, Fabio F. Muciaccia</i>
14:00 - 14:30	Acoustic Doppler Velocimeters for Point Velocity Measurement in Non-Ideal Intakes <i>Milan Bijeljanin, Devon Danielson, Xue Fan, Gilles Proulx</i>

14:30 - 15:00	Acoustic Flow Metering with Clamp-On Transducers: General Considerations and Uncertainty <i>Jürgen Skripalle</i>
15:00 - 15:30	Coffee Break
<b>Session 7</b>	<b>Thermodynamic method and miscellaneous</b>
15:30 – 16:00	Reducing Parasitical Heat Flow to Seabird SBE 38 by Means of Insulation for Thermodynamic Efficiency measurements <i>Jakob Hieke, Nathanael Weckerlein, Marco Eissner</i>
16:00 - 16:30	Open Discussion Round on Use of CFD in Efficiency Measurements <i>All</i>
16:30 - 16:45	Closing words <i>Thomas Staubli, President of IGHEM</i>
<b>August 14, 2024</b>	<b>Wednesday</b>
06:30- Late	Technical Tour Meet outside the Gage Suites, UBC Ferry: Tsawwassen to Swartz Bay ASL AQFlow plant tour, Saanichton, BC Lunch provided Visit Victoria Inner Harbour Visit to Gold Stream Provincial Park, Langford Return to Tsawwassen