

Sept 1, 2026						
17:00	Welcome and registration - Glacier Garden in Lucerne					
Sept 2, 2026						
8:00-8:40	Registration					
8:40-9:00	Welcome by Prof. Manfred Huber, director of the HSLU T&A					
	Sediment					
9:00-9:30	Turbidity sensor choices: Backscatter is crucial to measure high suspended sediment concentrations	Yves Gubelmann	David Felix			
9:30-10:00	Unified Acoustic Emission Monitoring of Sediment Erosion and Cavitation in Hydraulic Turbines	Günther Weidenhofer	Felix Minixhofer	Lorenz Neururer		
10:00-10:30	Effect of the Suspended Sediment Concentration on the density of the working fluid in hydraulic machines	David Felix	André Abgottspon			
10:30	Coffee Break					
	Plant and Turbine Optimization					
11:00-11:30	Input Data Validation for Efficiency Monitoring	Nicolas Gloor	Thomas Staubli			
11:30-12:01	Lessons Learned from Field Performance Testing of Muskrat Falls (Kaplan Units) Using Intake Current-Meter System for Flow measurements and Winter-K	Albert F. Mikhail	Dan Giesbrecht	Steve Meicke	Jean-Alexandre Ler	Mark Best
12:00-12:30	Automatization of optimal blades/wicket gates law adjustment with Iso-Power cam curve method	Cavalier J.	A. Koehl	P. Michel	T. Rewers	C. Cellier
12:30	Lunch					
13:30	Optional tour to the hydraulic laboratory of the HSLU					
	Acoustic Methods					
14:00-14:30	Performance Assessment of Acoustic Scintillation Flow Measurement at BC Hydro's Wahleach Generating Station	Jan Buermans	David Billenness	Faheem Sadeque		
14:30-15:00	Analysis of the efficiency of double-regulated hydraulic machinery using using ultrasound sensing in draft tubes	Marius Nati	Carmen Badina	Angela Digulescu	Cornel Ionana	
15:00-15:30	Discharge Flow Measurement and assessment of turbine efficiency using Scintillation and Winter-Kennedy methods at Beaucaire Hydropower Plant - Comp	M. de Vignes	P. Roumieu	E. Lepy	A. Marcel-Julian	
15:30	Coffee Break					
	Thermodynamic Method					
16:00-16:30	Determination of generator losses by calorimetric method	Petr Ševčík	Richard Bischof	Lukáš Rinka		
16:30-17:00	Temperature distribution in draft tubes of Francis turbines and its impact on efficiency uncertainty	André Abgottspon	Urban Gerold	Thomas Staubli		
17:00-17:30	An implementation of the thermodynamic method for measuring continuously the hydraulic efficiency	Anthony Gaspoz				
17:30-18:00	Field Experience with Ultra-Stable Robertson Technology Thermometers in Thermodynamic Efficiency Measurements	Harald Hulaas	Ingvid Lunder	Erik Nilsen	Gaute S. Nærum	
Sept 3, 2026						
	Pressure Time Method					
9:00-9:30	Completing the pressure-time method with 3D CFD simulations	Michel J. Cervantes				
9:30-10:00	Data acquisition method for use of Paroscientific transducers in pressure-time measurement.	Jean-Sébastien Du	Eugenio Noel Cuesta			
10:00-10:30	Selection of integration limits for the pressure-time method using the Fourier transform	Tomáš Machů				
10:30	Coffee Break					
11:00 -11:30	Comparison of On-site Discharge Measurement by Differential Pressure Method with Model Test and Numerical Analysis results	Takashi Kumashiro	Tomoaki Ishihara	Yuta Tamura		
	Current Meter Method					
11:30 -12:00	Uncertainty Estimation for Flow Measurement Using Intake Current-Meter Method					
12:00-12:30	Calibration of velocimeters in towing tanks					
12:30	Lunch					
13:30	Optional tour to the hydraulic laboratory of the HSLU					
	Laboratory tests					
14:00-14:30	Influence of Scale Effects on Hydraulic Efficiency and Hydraulic Loss in Ultra-high-head Pelton Turbine	Yonglin Qin	Zekai Liu	Boshuang Jiang	Baoshan Zhu	
14:30-15:00	Development of a Test Setup for Friction Loss Evaluation of Realistic Rough Surfaces	Subodh Khullar	Michel J. Cervantes			
15:00-15:30	Laboratory experiments in using simultaneous calibration of relative flow metering systems in hydraulic networks	Johannes Lanzersd	Stefan Kremser			
15:30	Coffee Break					
	Miscellaneous					
16:00-16:30	Unified Acoustic Emission Monitoring of Sediment Erosion and Cavitation in Hydraulic Turbines	Günther Weidenhofer	Felix Minixhofer	Lorenz Neururer		
17:00-17:30	Verification of Prototype Turbine Efficiency by Calibrated Index Testing Based on Full Homologous Model Tests	Robert Saladin	Ali Amini			
18:30	Conference dinner at the Seehotel Sternen in Horw					
Sept 4, 2026						
08:30	Technical Tour to Kraftwerke Sarganserland					