



Technical Sessions (Monday Evening, September 17)

Monday Evening (September 17) 15:20 - 17:40

Hydraulic Turbines 4 (RY203)

Chairs: Mr. Hiroaki Kikuta (Voith Fuji Hydro K.K., Japan), Dr. Dragica Jost (Kolektor Turboinstitut, Slovenia)

[IAHR2018-395](#) **“Experimental Investigation on the Dynamic Response of Pelton Runners”**, Monica Egusquiza (UPC, Spain), Carme Valero (UPC, Spain), Alexandre Presas (UPC, Spain), David Valentin (UPC, Spain), Eduard Egusquiza (UPC, Spain)

[IAHR2018-410](#) **“Characterization of the Effects of Ingested Bodies on the RSI of Hydraulic Turbines”**, Alfredo Guardo Zabaleta (Universitat Politecnica de Catalunya, Spain), Alfred Fontanals (Universitat Politecnica de Catalunya, Spain), Carme Valero (Universitat Politecnica de Catalunya, Spain), Eduard Egusquiza (Universitat Politecnica de Catalunya, Spain)

[IAHR2018-061](#) **“Numerical and Experimental Assessment of the Pulsating Water Jet in Conical Diffusers”**, Constantin Tanasa (Politehnica University Timisoara, Romania), Raul Szakal (Politehnica University Timisoara, Romania), Daniel-Calin Mos (Politehnica University Timisoara, Romania), Sebastian Muntean (Romanian Academy-Timisoara Branch, Romania), Tiberiu Ciocan (Politehnica University Timisoara, Romania)

[IAHR2018-421](#) **“Proposal of a New Hydraulic Turbine Capable of High Efficiency Operation over a Wide Range of Flow Rate and Effective Head”**, Tatsuya Irie (WASEDA University, Japan), Masafumi Shinji (WASEDA University, Japan), Wataru Takahashi (WASEDA University, Japan), Takayuki Sugimoto (TOHOKU SMALL HYDROPOWER CO.,LTD., Japan), Tsubasa Naganuma (TOHOKU SMALL HYDROPOWER CO.,LTD., Japan), Reijiro Waku (TOHOKU SMALL HYDROPOWER CO.,LTD., Japan), Kazuyoshi Miyagawa (WASEDA University, Japan)

[IAHR2018-031](#) **“Unsteady Simulation of Cavitating Turbulent Flow for Low Head Francis Turbine.”**, Pankajkumar Paragbhai Gohil (Sarvajanik College of Engineering and Technology, Surat, India), R. P. Saini (Indian Institute of Technology Roorkee, India)

[IAHR2018-077](#) **“Role of Turbine Testing Lab for overcoming the challenges related to hydropower development in Nepal”**, Hari Prasad Neopane (Kathmandu University, Nepal), Sailesh Chitrakar (Kathmandu University, Nepal), Ole Gunnar Dahlhaug (Norwegian University of Science and Technology, Norway)

[IAHR2018-050](#) **“Preliminary Design and Performance Analysis of a Positive Displacement Hydraulic Turbine”**, Arihant Sonawat (University of Science and Technology, Korea), Seung-Jun Kim (University of Science and Technology, Korea), Young-Seok Choi (Korea Institute of Industrial Technology, Korea), Kyoung-Yong Lee (Korea Institute of Industrial Technology, Korea), Kyung Min Kim (Korea District Heating Corporation, Korea), Yong-Kab Lee (Anflux Co., Ltd., Korea), Jin-Hyuk Kim (Korea Institute of Industrial Technology, Korea)