



Technical Sessions (Wednesday Afternoon, September 19)

Wednesday Afternoon (September 19) 13:10 - 15:10

Computational and Experimental Technique 2 (RY303)

Chairs: Prof. Satoshi Watanabe (Kyushu University, Japan), Dr. Takahide Endo (Tokyo Electric Power Company Holdings, Inc., Japan)

[IAHR2018-107](#) **“Numerical investigation of the jet velocity profile and its influence on the Pelton turbine performance”**, Takashi Kumashiro (Hitachi Mitsubishi Hydro Corporation, Japan), Siamak Alimirzazadeh (Ecole Polytechnique Federale de Lausanne, Switzerland), Audrey Maertens (Ecole Polytechnique Federale de Lausanne, Switzerland), Ebrahim Jahanbakhsh (Ecole Polytechnique Federale de Lausanne, Switzerland), Sebastian Leguizamon (Ecole Polytechnique Federale de Lausanne, Switzerland), Francois Avellan (Ecole Polytechnique Federale de Lausanne, Switzerland), Kiyohito Tani (Hitachi Mitsubishi Hydro Corporation, Japan)

[IAHR2018-111](#) **“Field Test for Hydraulic Turbine Discharge and Efficiency Based on Current-meter Method”**, Dengfeng Cao (China Institute of Water Resources and Hydropower Research, China), Luoping Pan (China Institute of Water Resources and Hydropower Research, China), Ye Zhou (China Institute of Water Resources and Hydropower Research, China)

[IAHR2018-145](#) **“Experimental investigation and numerical simulation of flow in the draft tube elbow of a Francis turbine over its entire operating range”**, Masashi Sakamoto (Nippon Koei Co., Ltd., Japan), Andres Muller (Nippon Koei Co., Ltd., Japan), Loic Andolfatto (Ecole Polytechnique Federale de Lausanne, Switzerland), Takashi Hashii (Nippon Koei Co., Ltd., Japan), Kazuhiko Yamaishi (Nippon Koei Co., Ltd., Japan), Francois Avellan (Ecole Polytechnique Federale de Lausanne, Switzerland)

[IAHR2018-154](#) **“Numerical simulation of a bulb turbine with an eddy-preserving limiter scheme”**, Liu Yang (McGill University, Canada), Yao Jiang (McGill University, Canada), Siva Nadarajah (McGill University, Canada)

[IAHR2018-155](#) **“Numerical investigation of draft tube flows using SAS turbulence model and a low-dissipation scheme.”**, Yao Jiang (McGill University, Canada), Liu Yang (McGill University, Canada), Siva Nadarajah (McGill University, Canada)

[IAHR2018-113](#) **“Signature analysis of characteristic frequencies in a high head Francis turbine”**, Chirag Trivedi (Norwegian University of Science and Technology, Norway), Einar Agnalt (Norwegian University of Science and Technology, Norway), Ole Gunnar Dahlhaug (Norwegian University of Science and Technology, Norway), Bard Aslak Brandastro (Norwegian University of Science and Technology, Norway)