



Technical Sessions (Wednesday Evening, September 19)

Wednesday Evening (September 19) 15:30 - 17:10

Computational and Experimental Technique 3 (RZY303)

Chairs: Mr. Takeshi Sano (Mitsubishi Heavy Industries, Ltd., Japan), Mr. Jean-François Morissette (Hydro-Québec, Québec)

[IAHR2018-172](#) **“Research and optimization of performances of a pump turbine in pump mode”**, Peng Xue (China Institute of Water Resources and Hydropower Research, China), Zhi Ping Liu (China Institute of Water Resources and Hydropower Research, China), Li Lu (China Institute of Water Resources and Hydropower Research, China), YaJuan Tian (China Institute of Water Resources and Hydropower Research, China), Xin Wang (Institute of Water Resources and Hydropower Research, China), Rui Chen (Institute of Water Resources and Hydropower Research, China)

[IAHR2018-178](#) **“The design of 25kw class hydraulic turbine generator by using CAE.”**, Won Hyuk Jung (DNDE, Korea), Su Do Lee (DNDE, Korea), Gil Sun Choi (DNDE, Korea), Seok Heum Baek (DNDE, Korea)

[IAHR2018-182](#) **“Simulation of the Hydroabrasive Erosion of a Bucket: A Multiscale Model with Projective Integration to Circumvent the Spatio-Temporal Scale Separation”**, Sebastian Leguizamón (Ecole Polytechnique Federale de Lausanne, Switzerland), Ebrahim Jahanbakhsh (Ecole Polytechnique Federale de Lausanne, Switzerland), Audrey Maertens (Ecole Polytechnique Federale de Lausanne, Switzerland), Siamak Alimirzazadeh (Ecole Polytechnique Federale de Lausanne, Switzerland), Francois Avellan (Ecole Polytechnique Federale de Lausanne, Switzerland)

[IAHR2018-207](#) **“Research of key technology for turbine efficiency measurement based on thermodynamics method”**, Ye Zhou (China Institute of Water Resources and Hydropower Research, China), Luoping Pan (China Institute of Water Resources and Hydropower Research, China), Dengfeng Cao (China Institute of Water Resources and Hydropower Research, China), Yongqiang Liu (China Institute of Water Resources and Hydropower Research, China)

[IAHR2018-255](#) **“Scale adaptive simulation of draft tube flow for application in the hydraulic design process”**, Roland Jester-Zurker (Voith Hydro Holding GmbH & Co. KG, Germany), Paul Weber (Voith Hydro Holding GmbH & Co. KG, Germany)