



## Technical Sessions (Tuesday Morning, September 18)

### Tuesday Morning (September 18) 10:10 - 12:10

#### WS: Energy Storage 3 (RY306)

Chairs: Dr. Young-Ho Lee (Korea Maritime and Ocean University, Korea), Dr. Nak-Joong Lee (Waseda University, Japan)

[IAHR2018-269](#) “Development trends in the field of reversible pump-turbines – Study of pumping and generating mode off-design conditions”, Uros Jese (Litostroj Power, Slovenia), Vojtech Novotny (Litostroj Power, Czech), Ales Skotak (Litostroj Power, Czech)

[IAHR2018-132](#) “Experimental and Numerical Investigation of the Speed-no-Load Instability of a Low Specific Speed Pump-Turbine with focus on the Influence of Turbulence Models”, Sabri Deniz (Lucerne University of Applied Sciences, Switzerland), Erensto Casartelli (Lucerne University of Applied Sciences, Switzerland), Armando del Rio (Lucerne University of Applied Sciences, Switzerland)

[IAHR2018-321](#) “Model experiments and study on regulating stability of isolated hydropower plants”, Weijia Yang (Wuhan University, China), Jiandong Yang (Wuhan University, China), Renbo Tang (Wuhan University, China), Anting Ma (Wuhan University, China), Liangyu Hou (Wuhan University, China)

[IAHR2018-438](#) “Experimental and Numerical Investigations of a High-Head Pumped-Storage Power Plant at Speed No Load”, Jean Decaix (University of Applied Sciences and Arts Western Switzerland Valais, Switzerland), Vlad Hasmatuchi (University of Applied Sciences and Arts Western Switzerland Valais, Switzerland), Maximilian Titzschkau (Kraftwerke Oberhasli AG, Switzerland), Pedro A. Manso (Ecole Polytechnique Federale de Lausanne, Switzerland), Francois Avellan (Ecole Polytechnique Federale de Lausanne, Switzerland), Cecile Munch (University of Applied Sciences and Arts Western Switzerland Valais, Switzerland), Laurent Rapillard (University of Applied Sciences and Arts Western Switzerland Valais, Switzerland)

[IAHR2018-103](#) “Rotor-stator interaction in a pump-turbine operating in synchronous condenser mode”, Elena Vagnoni (EPFL, Switzerland), Loic Andolfatto (EPFL, Switzerland), Renaud Guillaume (GE, France), Pierre Leroy (GE, France), Francois Avellan (EPFL, Switzerland)

[IAHR2018-308](#) “Experimental Study of a Prototype Reversible Pump Turbine during Low Partial Load Condition in Generating Mode”, Yuning Zhang (North China Electric Power University, China), Xianghao Zheng (North China Electric Power University, China), Tao Liu (North China Electric Power University, China), Jinwei Li (China Institute of Water Resources and Hydropower Research, China), Yuning Zhang (China University of Petroleum-Beijing, China)