



Technical Sessions (Tuesday Evening, September 18)

Tuesday Evening (September 18) 15:50 - 17:50

Pumps 5 (RY204)

Chairs: Dr. Katsutoshi Kobayashi (Hitachi, Ltd., Japan), Dr. Lei Tan (Tsinghua University, China)

[IAHR2018-026](#) “Multistage Canned Motor Pump – Getting Deep Insights with CFD – Simulation, Optimisation and Validation”, Markus Mosshammer (Graz University of Technology, Austria), Helmut Benigni (Graz University of Technology, Austria), Helmut Jaberg (Graz University of Technology, Austria), Stefan Kraemer (HERMETIC-Pumpen GmbH, Germany), Christian Dahlke (HERMETIC-Pumpen GmbH, Germany)

[IAHR2018-039](#) “Numerical simulation of suction and discharge valves’ motion in reciprocating waterflooding pump”, Yi Ma (Zhejiang University of Technology, China), He Zhang (Ningbo Tongli Pump Industry Co., Ltd, China), Huashuai Luo (Zhejiang University of Technology, China), Yingfeng Chen (Ningbo Heli Mechanical Pump Co., Ltd, China), Qiang Wang (Zhejiang University of Technology, China)

[IAHR2018-085](#) “Investigation of tip leakage vortex characteristics around tip clearance in a mixed-flow pump”, Yabin Liu, Lei Tan

[IAHR2018-368](#) “Fully-Resolved Large Eddy Simulation of Transitional Flow in Inter-Stage Bush of a Centrifugal Pump”, Romain Prunieres (Hitachi, Ltd., Japan), Chisachi Kato (The University of Tokyo, Japan), Yoshinobu Yamade (Mizuho Information & Research Institute, Inc., Japan), Takahide Nagahara (Hitachi, Ltd., Japan)

[IAHR2018-369](#) “Influence of Clearance Flow on Disk Friction Loss in Low Specific Speed Hydraulic Machines”, Ryutarō Ujiie (WASEDA University, Japan), Asuma Ichinose (Waseda University, Japan), Yohei Nakamura (Waseda University, Japan), Kazuyoshi Miyagawa (Waseda University, Japan), Takeshi Sano (Mitsubishi Heavy Industries, LTD, Japan)

[IAHR2018-095](#) “The Effect of Balancing Holes on Performance of a Centrifugal Pump: Numerical and Experimental Investigations”, Mohammad Fathi (University of Tehran, Iran), Mehdad Raisee (University of Tehran, Iran), Seyed Ahmad Nourbakhsh (University of Tehran, Iran), Hamed Alemi Arani (University of Tehran, Iran)