



Technical Sessions (Tuesday Morning, September 18)

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

Cavitation and Multiphase Flow 3 (RY305)

Chairs: Prof. Kazuyasu Sugiyama (Osaka University, Japan), Prof. Peter F. Pelz (Technische Universitat Darmstadt, Germany)

[IAHR2018-261](#) “Flow characteristics of water delivery piping system and its effective flow area at discharge branches”, Fumio Shimizu (Kyushu Institute of Technology, Japan), Masatoshi Akinaga (Kyushu Institute of Technology, Japan), Yuya Matsuyoshi (Kyushu Institute of Technology, Japan), Kazuhiro Tanaka (Kyushu Institute of Technology, Japan)

[IAHR2018-360](#) “The role of added mass in the dispersion of bubble clouds”, Stephane Etienne (Polytechnique Montreal, Canada), Sarra Zoghalmi (Polytechnique Montreal, Canada), Cedric Beguin (Polytechnique Montreal, Canada), David Scott (GE Renewable Energy, Canada), Laurent Bornard (GE Renewable Energy, Canada)

[IAHR2018-386](#) “Numerical Analysis of Liquid Droplet Impingement on Rough Material Surface with Water Pool”, Hirotooshi Sasaki (Institute of Fluid Science, Tohoku University, Japan), Yuka Iga (Institute of Fluid Science, Tohoku University, Japan)

[IAHR2018-328](#) “The Effect of Turbulence on the Dynamics of Two Bubbles in Hydrodynamic Cavitation”, Liang Lv (China University of Petroleum-Beijing, China), Yongxue Zhang (China University of Petroleum-Beijing, China), Yuning Zhang (China University of Petroleum-Beijing, China)

[IAHR2018-041](#) “Numerical and Experimental Investigation of Erosion Induced Leakage Flow through Guide Vanes of Francis Turbine”, Sailesh Chitrakar (Kathmandu University, Nepal), Hari Prasad Neopane (Kathmandu University, Nepal), Ole Gunnar Dahlhaug (Norwegian University of Science and Technology, Norway)

[IAHR2018-109](#) “Numerical simulation of the cavitation micro-jet velocity and erosion on a plane-convex hydrofoil with semicylindrical obstacle”, Victor Hidalgo (Escuela Politecnica Nacional, Ecuador), Xianwu Luo (Tsinghua University, China), Xavier Escaler (Polytechnic University of Catalonia, Spain), Esteban Valencia (Escuela Politecnica Nacional, Ecuador), Patricio Cruz (Escuela Politecnica Nacional, Ecuador)