



Technical Sessions (Tuesday Morning, September 18)

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

Hydraulic Systems 3 (RY303)

Chairs: Dr. Ryunosuke Kawashima (EIM Electric Co., Ltd., Japan), Prof. Teiichi Tanaka (National Institute of Technology, Kumamoto College, Japan)

[IAHR2018-183](#) **“Behavior of Francis turbines at part load. Field assessment in prototype: Effects on the hydraulic system”**, Carme Valero (Polytechnic University of Catalonia, Spain), Monica Egusquiza (Polytechnic University of Catalonia, Spain), David Valentin (Polytechnic University of Catalonia, Spain), Alexandre Presas (Polytechnic University of Catalonia, Spain), Eduard Egusquiza (Polytechnic University of Catalonia, Spain)

[IAHR2018-262](#) **“The unitary aqueduct method: a new tool for the preliminary design of air chambers”**, Rene Autrique (Policonductos, Mexico, Mexico), Eduardo Rodal (Instituto de Ingenieria, UNAM, Mexico)

[IAHR2018-288](#) **“Effect of combination vacuum relief and air release valve on hydraulic transients during pipeline filling process”**, Ling Wang (Tsinghua University, China), Zhengwei Wang (Tsinghua University, China)

[IAHR2018-373](#) **“Empirical findings on the transmission of draft tube instabilities along the penstocks of hydraulic plants”**, Jean Heraud (EDF, France), Bruno Lecomte (EDF, France), Mathieu Comelli (GE RENEWABLE HYDRO, France), Pierre Yves Lowys (GE RENEWABLE HYDRO, France), Goran Pavic (INSA Lyon, France)

[IAHR2018-318](#) **“Practical experiences with water hammer control in Slovenian hydropower plants”**, Jernej Mazij (Litostroj Power d.o.o., Slovenia), Anton Bergant (Litostroj Power d.o.o., Slovenia)

[IAHR2018-223](#) **“Modeling and reducing fuel flow pulsation of a fuel-metering system during pump mode switching in a turbo fan engine”**, Seiei Masuda (IHI Corporation, Japan), Fumio Shimizu (Kyushu Institute of Technology, Japan), Kazuhiro Tanaka (Kyushu Institute of Technology, Japan), Masaki Fuchiwaki (Kyushu Institute of Technology, Japan)