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29th IAHR Symposium on Hydraulic Machinery and Systems

September 16-21, 2018, Kyoto, Japan

Technical Sessions (Thursday Evening, September 20)

Thursday Evening (September 20) 15:30 - 17:10

Hydraulic / Mechanical and Fluid / Solid Interactions 3 (RY203)

Chairs: Mr. Erik Tengs (EDR&Medeso, Norway), Prof. Zhenyue Ma (Dalian University of Technology, China)

[IAHR2018-436](#) “**Journal bearing with non-Newtonian fluid in the area of Taylor vortices**”, Simona Fialova (Brno University of Technology, Czech), Milada Kozubkova (Technical University Ostrava, Czech), Jana Jablonska (Technical University Ostrava, Czech), Michal Havlasek (Brno University of Technology, Czech), Frantisek Pochyly (Brno University of Technology, Czech), Dominik Sedivy (Brno University of Technology, Czech)

[IAHR2018-141](#) “**Random Vibration Characteristics of Perforated Plates in Parallel Flow**”, Cheng Xue (Xihua University, China), Baoshan Zhu (Tsinghua University, China), Xiaobing Liu (Xihua University, China), Yoshitsugu Nekomoto (Mitsubishi Heavy Industries, Ltd., Japan), Jinsheng Liu (Tsinghua University, China), Dongni Liu (Dalian Maritime University, China)

[IAHR2018-441](#) “**Computational analysis of flow-driven string dynamics in a pump and residence time calculation**”, Kenji Komiya (Waseda University, Japan), Taro Kanai (WASEDA University, Japan), Yuto Otaguro (WASEDA University, Japan), Masayuki Kaneko (WASEDA University, Japan), Kyohei Hirota (WASEDA University, Japan), Kenji Takizawa (WASEDA University, Japan), Yutong Zhang (Rice University, United States), Tayfun E. Tezduyar (Rice University, United States), Motohiko Nohmi (EBARA corporation, Japan)

[IAHR2018-244](#) “**Advanced Simulation of Coupled Physics in Thrust Bearings**”, Bjoern Huebner (Voith Hydro Holding GmbH & Co. KG, Germany), Daniel R.B. Silva (Voith Hydro Holding GmbH & Co. KG, Germany)