

Monday, August. 14, 2023

Laining hotel

Room Zhe Jiang Ting (浙江厅) - 6th floor

10:00-12:00 Session: Cavitation and Multiphase flow Chair: Xavier Escaler (Universitat Politècnica de Catalunya)			
Paper ID	Time	Paper Title	Paper Authors
55	10:00-10:15	Influence of different turbulence models on tip vortex prediction	Mingkun Fang, Na Li, Ran Tao, Ruofu Xiao
169	10:15-10:30	Physical investigation on hydrodynamic performance and structural characteristics of composite propeller	L Dong, Q Wu, B Huang, G Wang
325	10:30-10:45	A technique for identifying the cavitation shedding mechanism in a Venturi based on high-speed photography	Weibin You, Linmin Li, Xiaoxu Xuan, Songying Chen, Joon Yong Yoon, Xun Sun
280	10:45-11:00	Analysis of liquid distribution in a propellant tank with vertical vanes by drop tower test	J T Liu, J Long, L Chen, C Yao, W X Ye, Z Qu
389	11:00-11:15	Cavitating flow around a low aspect ratio NACA0012 hydrofoil with regular grooves	M Tsoy, S Skripkin, A Kravtsova
A-140	11:15-11:30	Dynamics of transient cavitation at valve closures	Guohong Wu
162	11:30-11:45	Degradation of tetracycline by combining hydrodynamic cavitation (HC) and permonosulfuric acid (PMS)	Xiufeng Zhu, Xiaoxu Xuan, Sivakumar Manickam, Joon Yong Yoon, Xun Sun
219	11:45-12:00	Degradation of tetracycline by combining hydrodynamic cavitation (HC) and UV	Shuai Liu, Xiaoxu Xuan, Sivakumar Manickam, Joon Yong Yoon, Xun Sun, Dennis YC Leung
12:00-12:15 Coffee Break			
12:15-14:00 Session: Cavitation and Multiphase flow Chair: Xavier Escaler (Universitat Politècnica de Catalunya)			
33	12:15-12:30	Effect of the number of orifice plate stages on cavitation characteristics	LI Da we, Wang Chengjun, Ju Pengbo, Han Guihua
339	12:30-12:45	Effects of cavitation on the vortex shedding behind a truncated hydrofoil subjected to forced oscillation	Jian Chen, Xavier Escaler
153	12:45-13:00	Experimental investigation into lock-in characteristics of the composite hydrofoils	Miaomiao Ji, Housheng Zhang, Qin Wu, Biao Huang, Guoyu Wang
176	13:00-13:15	Mechanism study of cloud cavitation control by leading-edge tubercles on NACA0015	G S Zhao, N Liang, L L Cao, D Z Wu
220	13:15-13:30	Modal decomposition of the shedding mechanism of partial cavitation in a Venturi Tube	Gaoju Xia , Weibin You, Xiaoxu Xuan , Songying Chen , Joon Yong Yoon ,Xun Sun
134	13:30-13:45	Numerical investigation of cavitation noise in cavitating flows around the NACA66 hydrofoil	Chen Yang, Kai Ren, Zhenwei Huang
49	13:45-14:00	Experimental Study on the Movement Law of Solid-liquid Two-phase Flow in slurry Pump(OL)	Jin Xing, Shufeng Cheng, Tao Guo
14:00-16:00 Lunch			
16:00-18:00 Session: Cavitation and Multiphase flow Chair: Shuaihui Sun (Xi'An University of Technology)			
377	16:00-16:15	Numerical simulation and experimental study on sediment wear of movable guide vanes of high - head Francis turbines in muddy river based on discrete phase model	Yongzhong Zeng, Xiaobing Liu, Lu Jia, Zhenming Lai, Bo Zhou, Xueren Wang, Yanhua Yao, Bing Yao, Zhishun Yu, Haiqi Wang
374	16:15-16:30	Numerical simulation of gas-liquid interface in a vane type propellant tank	L Chen, Y Li, J T Liu, X M He, W Li, N J Yang
155	16:30-16:45	Numerical simulation on unsteady cavitating flows in a rotational hydrodynamic cavitation reactor	G Q Q G MENG, W J ZHOU, Y F JIA
316	16:45-17:00	On the validation of the cavitation model considering the thermodynamic effect of cavitating flow	Lu Yu, Da Geng, Xin Liu, Shuhong Liu, Zhigang Zuo, Chongji Zeng, Hui Li
252	17:00-17:15	Optimization of rotor blind hole parameters for inner-hole rotary cavitator	Dawei Li, Yingjie Yang, Ning Ge, Guihua Han, Yipeng Zhu

57	17:15-17:30	Research on Online Monitoring Technology of Cavitation in Hydraulic Machinery	Zhao Yue, Li Renfei, Guo Yitong, Zhao Yingnan, Liu Zhiliang, Su Wentao, Sun Yongxin
379	17:30-17:45	Simulation of the Effect of Particle-bubble Size Ratio on the Collapsing Dynamics of a Cavitation Bubble Near a Particle	T Chen, H Zhang, Y Dai, J Q Yang
107	17:45-18:00	Sludge solubilization method using hydrodynamic cavitation for intensification of biogas production	Hyungjoon Son, Yoon Joon Yong, Xun Sun
18:00-18:15 Coffee Break			
18:15-20:00 Session: Cavitation and Multiphase flow Chair: Shuaihui Sun (Xi'An University of Technology)			
99	18:15-18:30	Study of Hydrofoil Unstable Partial Cavitation Emphasizing Unstable Sheet Cavitation Phenomenon	Lin Wang, Fangping Tang
383	18:30-18:45	Study on acoustic characteristics of bubble interaction	Haoyang Qi, Jingting Liu
296	18:45-19:00	Study on the Flow Characteristics of Piston Type Flow and Pressure Regulating Valve under Sand Containing Conditions	Y Fu 1, S M Du, Z J An, L L Deng
105	19:00-19:15	Comparisons of oxygen increment in a micropump considering the dissolved and released processes	Z P Ren, Z P Li, D Y Li, H J Wang, J T Liu, Y Li
315	19:15-19:30	The influence of reservoir water level on the hydraulic characteristics of spillway tunnel (OL)	Chen Funan, Yao Minjie, Xue Yang, Li Gaohui, Cui Weijie
323	19:30-19:45	The influence of structure parameters on the pressure characteristics of spillway tunnel (OL)	Chen Funan, Yao Minjie, Xue Yang, Li Gaohui, Cui Weijie
20:00-22:00 Dinner			

Online connections:

Tencent Meeting (VooV Meeting):
ID: 695-694-861