

Monday, August. 14, 2023

Laining hotel

Room Shan Xi Ting (陕西厅) - 6th floor

10:00-12:00 Session: Pumps Chair: Yonggang Lu (Jiangsu University)			
Paper ID	Time	Paper Title	Paper Authors
2	10:00-10:15	Simulation analysis of runaway process of tubular pump and comparison of site test	He Zhongwei, Shu Linfeng Li Chengjun
27	10:15-10:30	Numerical investigation on slip velocity characteristics of gas-liquid two-phase flow in a multiphase pump under different blade tip clearance	Chenhao Li, Xitong Wu, Xingqi Luo, Jianjun Feng, Guojun Zhu, Xiaohang Wang
43	10:30-10:45	Analysis of blade outlet edge inclination angle on the flow field and hydraulic performance of double-suction centrifugal pump for Yellow River pumping	Z Y Gu, W Han, J H Sun, C P He, X Yang, Y J Hao, Z T Xu, T Yang
50	10:45-11:00	Numerical Investigation on internal flow characteristics of a mixed-flow pump with Tandem malposed blades	Li Chenhao, Luo Xingqi, Wu Xitong, Zhu Guojun, Wang Like, Wang Xiaohang
62	11:00-11:15	Research on the effect of anti-guide vane inlet Angle on the performance of multistage centrifugal pump	Li Chenhao, Li Lu, Luo Xingqi, Wu Xitong, Zhu Guojun, Feng Jianjun
65	11:15-11:30	Effect of Blade Thickening Law on the Internal Flow Field and Hydraulic Performance of Double Suction Pumps for Yellow River Pumping	Xiang Yang, Li Rennian, Yaping Tian, Juping Zhou, Shiqi Yang
142	11:30-11:45	Numerical study on flow-induced vibration of a high-pressure jet water pump on a dredger and corresponding impeller optimization	Jingzhao Hu, Lei Cao, Haifei Zhuang
72	11:45-12:00	Coherent structures decomposition of internal flow in the double-suction centrifugal pump impeller	Wenlu Zhang, Shuwen Deng, Tao Wang, Bo Jiang, Yuchuan Wang
12:00-12:15 Coffee Break			
12:15-14:00 Session: Pumps Chair: Yonggang Lu (Jiangsu University)			
87	12:15-12:30	Analysis of Flow Fluctuation of Confined Backward-Facing Step Based on Pulsation Tracking Network Method	Q Liu, J H Lu, J L Pan1, W L Guang, D Zhu, R Tao
179	12:30-12:45	Research on hump characteristics improvement of low-mid specific speed high-power centrifugal pump	Yang Zheng, Long Meng, Yajuan Tian, Xin Wang, Chiye Zhang, Yuhang Chen
200	12:45-13:00	Influence of impeller energy dissipation characteristics of multi-blade axial flow pump impeller by the cascade density	ZHAO Sen, YANG Congxin, GUO Yanlei, Mo Yingxiang, Cui Haoyu, LV Tianzhi
103	13:00-13:15	Investigation of flow-induced sound source generation in a centrifugal pump	Zhiyi Yuan, Yongxue Zhang, Wenbo Zhou, Jinya Zhang, Jianjun Zhu
110	13:15-13:30	Numerical Investigation of Impeller Parameters on the Performance and Internal Flow Characteristics in Regenerative Flow Pumps	Deli Tang, Yi Lu, Qianqian Li, Jian Ge, Xinting Miao
113	13:30-13:45	Design and Performance Prediction of Vortex Pump Based on CFD for High Concentration Sludge Dredging (OL)	H F Zhuang, M M Liu, L Cao
14:00-16:00 Lunch			
16:00-18:00 Session: Pumps Chair: Xun Sun (Shandong University)			
116	16:00-16:15	Numerical Simulation of Solid-Liquid Two-Phase Flow in Pump	Guosheng Xia, Haili Zhang, Yang Zhang, Wei Jiang, Honggang Fan
120	16:15-16:30	Study on the coupling characteristics of vertical unit and plant of large underground pumping station for water transfer project	Shaopeng Lu, Tao Wang, Haili Zhang, Yuchuan Wang, Honggang Fan

121	16:30-16:45	Analysis of the Bubble Diameter Effect on the Gas-liquid Flow Characteristics of a Multiphase Rotodynamic Pump	Zhihao Li, Wenwu Zhang, Baoshan Zhu, Jiaxing Lu, Haoru Zhao
127	16:45-17:00	A stability study based on the operation of rotor pumps at different speeds	Hui Quan, Ziying Gu, Houde Shu
133	17:00-17:15	Validation of steady and unsteady numerical simulations based on an axial flow pump	Duc-Anh Nguyen, Sung Kim, Soon-Young Jeong, Jin-Hyuk Kim
141	17:15-17:30	Study on the form of sealing ring and its sealing characteristics of centrifugal pump (OL)	Na Yan, Xiaohang Wang, Xidong Wu, Jiwen Zhu
158	17:30-17:45	Optimization of Centrifugal Pump Impeller Based on Neural Network and NSGA-II Algorithm (OL)	Chen Wei, Ma Wensheng, Wang Lei, Zhang Meng, Zhang Qiangl and Huo Kaizi
18:00-18:15 Coffee Break			
18:15-20:00 Session: Pumps Chair: Xun Sun (Shandong University)			
70	18:15-18:30	Numerical and experimental study of tip leakage vortex structures and dynamics in a mixed-flow waterjet pump	B Gong, H L Zhu, X H Chen, J L Yin, N Li, D Z Wang
182	18:30-18:45	The Influence of Different Inlet Water Flow Rotation on the Hydraulic Performance of Low Hump Outlet Conduit	Lei Xu, Tao Jiang, Weigang Lu
186	18:45-19:00	The Study of Using the Inducer to Improve the Cavitation Performance of a Centrifugal Pump	L L Ma, C Wang, Y Chen, B H Wang, D H Yu, Y C Yang
191	19:00-19:15	Study of the effect of incoming flow with fluctuating gas void fraction on transient characteristics of a three-stage multiphase pump	Zheng Tan, Jinya Zhang, Wenbo Zhou, Yongxue Zhang
192	19:15-19:30	Numerical simulation of unsteady cavitation at the tongue of a centrifugal pump	Wenbo Zhou, Yongxue Zhang, Zhiyi Yuan, Jianjun Zhu, Zheng Tan
203	19:30-19:45	Numerical investigation of cavitation suppression of centrifugal pump based on the bionic humpback whale blade	L K Wang, C Liang, X Q Luo, X Q Luo, H Xie, G J Zhu, J J Feng, C H Li
20:00-22:00 Dinner			

Online connections:

Tencent Meeting (VooV Meeting):
ID: 516532704