

Monday, August. 14, 2023

Laining hotel

Room Hai Nan Ting (海南厅) - 6<sup>th</sup> floor

10:00-12:00 Session: Selected topics (and others) & Intake system Chair: Joon Yong Yoon (Hanyang University)			
Paper ID	Time	Paper Title	Paper Authors
185	10:00-10:15	The setting criterion of the downstream surge chamber for pumped storage power station	Jue Wang, Jinghuan Ding, Wenfu Han, Long Zhao, Kenan Du
382	10:15-10:30	Research and Application of Deep Water Dredging Package Technology	Will Yan, Puying Qiu, Yaqiong Zhang
227	10:30-10:45	Analysis of Primary Frequency Modulation Performance Test for a Hydropower Station	Peilei Feng, Xiaoya Chen, Anping Zhu, JianqiangGuo, XiangxiangLiu, Shaohua Wang, Shaozheng Huang, Jie Wu, Tianqi Xu, Zhijian Liu
278	10:45-11:00	Sensitivity analysis of influencing factors in large oscillation hydraulic transient process of pumped storage power station	LIU Tao, HU Tengyao, YUAN Yanliang, TANG Lei, WANG Hongqing
322	11:00-11:15	A signal coverage scheme for pumped storage power station	Xie Zhang, Tao Liu, Zhengxin Cao, Liang Liu, Zan Zhou
361	11:15-11:30	Research on Fault Diagnosis of Main Equipment Based on Watershed Power Production Data Center	Zhuo Kang, Chen Xiaoyi, Zheng Wei, Song Linli, Zhang Peng, Shi Fatai, Wu Dongjun, Guo Yuting
58	11:30-11:45	Integrated treatment technology for leakage of concrete panel dam in high-cold areas	Jing Li, Hongzhi Gao
12:00-12:15 Coffee Break			
12:15-14:00 Session: Selected topics (and others) & Intake system Chair: Joon Yong Yoon (Hanyang University)			
79	12:15-12:30	Flame detection method and application based on RGB-HSI model and initial flame growth characteristics (OL)	Yuquan Zhou, Guanjie Liu, GuoDong Xie
47	12:30-12:45	Consideration on setting conditions of the upstream surge chamber in the water transmission system of pumped storage power station	Long Zhao, Jue Wang, Yanan Cheng
18	12:45-13:00	Pressure Pulsation Analysis of 2D NACA66 Airfoil Based on Pulsation Tracking Network	Jiahao Lu, Qiang Liu, Jiale Pan, Weilong Guang, Ran Tao, Di Zhu, Ruofu Xiao
274	13:00-13:15	Stability analysis of a hydropower plant containing pipe and channel flows	Yang Zheng, Qijuan Chen, Wanying Liu, Jinbao Chen, Zhihuai Xiao
AA	13:15-13:30	Experimental study on negative pressure and air compensation at the rear end of fixed cone valve and piston valve under submerged discharge conditions	Yong Xu (KARON VALVES)
14:00-16:00 Lunch			
16:00-18:00 Session: Smart grid and digital twin & Sustainable hydropower & Vibration and fatigue loading Chair: Jiaxing Lu (Xihua University)			
269	16:00-16:15	A unit commitment method of pumped storage in renewable energy system via a twofold particle swarm optimization algorithm	L T Ji, X Y Jing, P Wang, T Zhang, W D Xiao, J Qin, R Wang, W J Yang
46	16:15-16:30	Analysis of calculation conditions for transition process of pumped storage power station	Taozhe Ren, Yanan Cheng, Jue Wang, Long Zhao
266	16:30-16:45	Analysis of Inspection and Testing Standards for Water Conservancy Projects in China	Lin Li, Chunhua Sheng, Weijie Huo, Hong Xu
1	16:45-17:00	Anti-seepage Measures for the Upper Reservoir of One Pumped-storage Power Station	Yanan Cheng, Jue Wang, Long Zhao

21	17:00-17:15	Study on the Influence of Geometric Parameters on Vibration Characteristics of Hydraulic Oscillator Used in Oil Drilling	Peng Tang, Haoru Zhao, Baoshan Zhu, Jiaying Lu, Wenwu Zhang
112	17:15-17:30	Finite element numerical analysis of structural vibration of a certain pump station	Shaopeng Lu, Haiyun Qiu, Xu Lei, Jiang Wei, Honggang Fan
18:00-18:15 <b>Coffee Break</b>			
18:15-20:00 <b>Session: Smart grid and digital twin &amp; Sustainable hydropower &amp; Vibration and fatigue loading</b> Chair: Jiaying Lu (Xihua University)			
198	18:15-18:30	Hydroelectric Generator Unit Fault Identification Method Based on Multi-scale Vibration-noise Feature <b>(OL)</b>	Hao Zhang, Liehao Hu
370	18:30-18:45	Research of Key Technologies on Design and Implementation of Intelligent Pump Station	Xinxin Wang, Zhe Zhao, Ying Li, Chungeng Jiang, Ligang Li, Ye Zhou
373	18:45-19:00	Research on contact stiffness of tenon jointed turbine bladed disk under time-varying load	Zhen Qu, Can Yao, Zhu Honglai, Xingrong Lin, Lei Chen and Heran Hu
301	19:00-19:15	Research on load allocation of hydropower units based on random forest algorithm	Jie Yang, Hong Pan, Yuan Zheng, Fang Feng, Chenyang Hang, Xiaonan Zheng
213	19:15-19:30	Stress measurement of runner blade for a Francis prototype turbine	Dengfeng Cao, Martin Dodge, Ye Zhou, Juan Liu
20:00-22:00 <b>Dinner</b>			

**Online connections:**

Tencent Meeting (VooV Meeting):  
ID: 908-738-612