

Monday, August. 14, 2023

Laining hotel

Room Guang Dong Ting (广东厅) - 6<sup>th</sup> floor

10:00-12:00 Session: Hydraulic turbines Chair: Daqing Zhou (Hohai University)			
Paper ID	Time	Paper Title	Paper Authors
329	10:00-10:15	Experimental analysis of the pressure fluctuations for a prototype pump-turbine at different operating conditions	Bao Guo, Ran Yu, Ye Ye, Xiushu Li, Yexiang Xiao
265	10:15-10:30	Investigation on formation mechanism of cavitation channel vortex in the runner of Francis turbine	Guangkuan Wu, Qiyao Xue, Ziwu Guan, Zhu Guojun, Jianjun Feng
277	10:30-10:45	Influence of Guide Vane Opening on Internal Cavitation of Francis Turbine	Minjia Chen, Xingqi Luo, Jianjun Feng, Siqin Lv
285	10:45-11:00	Effect of uneven inflow on hydrodynamic performance of bulb turbine	H Liu, Y G Cheng, Z Y Yang, J Zhang, J Y Fan , W X Li
289	11:00-11:15	Study on hydraulic turbine modeling method based on IGSA-NN revision strategy	Jinbao Chen, Yunhe Wang, Wenqing Hu, Yidong Zou, Yang Zheng, Zhihuai Xiao
293	11:15-11:30	Study on Transient Characteristics of Tubular Turbine during Condition Conversion Process	Xueqing Chen, Guojun Zhu, Kaikai Feng, Jianjun Feng, Xiaohang Wang
308	11:30-11:45	Evaluation on structural characteristics of the spiral case influenced by external concrete	Zhaohui Lu, Yutong Luo, Qiao Guo, Shaozheng Zhang, Xingxing Huang, Zhengwei Wang
48	11:45-12:00	Analysis of the impact of Tibet Plateau environment on the operating conditions of water turbine machine	Hongying Luo, Jiuming Xie, Quanwei Liang, Zhengwei Wang
12:00-12:15 Coffee Break			
12:15-14:00 Session: Hydraulic turbines Chair: Daqing Zhou (Hohai University)			
311	12:15-12:30	Research on the spiral case and external concrete structural response under limit operation state	Yutong Luo, Zonghua Li, Xingxing Huang, Xiaopeng Zhang, Zhengwei Wang
317	12:30-12:45	Hydraulic analysis of jet deflection on Pelton turbine deflector based on CFD simulation	Yuan Simin, Zhou Hengte, Wang Zhaoning, He Qiyuan, Liang Quanwei
319	12:45-13:00	Numerical study on the influence of the bucket offset angle on the flow field of Pelton turbines with six-nozzles	Xiao-Dong Wang , Wen-Quan Wang, Chang-Bing Zhang, Wen-Zhe Cao
264	13:00-13:15	Study on the relationship between tailpipe pressure pulsation and unit vibration based on mutual information method	Yiting Xu, Yun Zeng, Liping Pan, Huan Zhang, Yanfei Sun, Jing Qian
330	13:15-13:30	Dynamic stress analysis of a large capacity Pelton turbine runner	Liu Zishi, Xiao Yexiang, Min Hongping, Liang Quanwei, Wang Xiaodong, He Qiyuan, Liu Jie, Li Haijun
331	13:30-13:45	Effect of the operating head for hydraulic performance and flow of a Pelton turbine	Li Yanhao, Liu Zishi, Xiao Yexiang, Liang Quanwei, Liu Jie, Wang Zhaoning
14:00-16:00 Lunch			
16:00-18:00 Session: Hydraulic turbines Chair: Long Meng (China Institute of Water Resources and Hydropower Research)			
341	16:00-16:15	Analysis of the bucket surface cavitation characteristics of a model Pelton turbine	Liu Jie, Xiao Yexiang, Liu Zishi, Liang Quanwei, Zhou Hengte, Hu Zongqiu, Du Qingpin

342	16:15-16:30	Numerical method analysis of multi-nozzle distributor performance for large Pelton turbine	Zhu Yilin, Liu Jie, Xiao Yexiang, Liang Quanwei, Li Haijun, Du Qingpin, Wang Zhaoning
344	16:30-16:45	Inversion calculation and Analysis of transient process for pumped storage power station	MA Yanmei, ZHANG Hong, FAN Jiayi, ZHANG Jian
346	16:45-17:00	Research on the Analysis Method of Measured Pressure Data during the Transient Process of Load Rejection in Hydropower Stations	FAN Jiayi, MA Yanmei, ZHANG Jian, DU Xuan , LIN Fangzhou
352	17:00-17:15	Study on On-Line Monitoring Technique and Case Study of Pump-Storage Turbine Headcover Bolt Axial Load	Meng Zhang, Qifei Wang, Yushu Xia , Lei Tang
357	17:15-17:30	Optimization Study on Lateral Stability of Large Tubular Hydroelectric Generating Units	X T Chen, Y M Fan, X Du, M K Wang, Q W Zhou, J Chen, K Liu
356	17:30-17:45	Research on Unbalanced Lifting of Large Hydro Generator Units	M K WANG, J A DENG , Q Y HE
<b>18:00-18:15 Coffee Break</b>			
<b>18:15-20:00 Session: Hydraulic turbines</b> Chair: Long Meng (China Institute of Water Resources and Hydropower Research)			
358	18:15-18:30	Study on the influence of crescent-rib shape on overall strength and stiffness of distributor	L X KONG, J P ZHOU , Q Y HE
362	18:30-18:45	Study on sensitivity evaluation of conveyance system to hydraulic transient in pumped storage plant	ZHOU Shun, FAN Jiayi, ZHANG Jian, MA Yanmei , CHEN Taiping
364	18:45-19:00	Research on Structure Strength Design of Distributor of Pelton turbine in Hydropower Stations	J P ZHOU, L X KONG, Q Y HE
369	19:00-19:15	Discussion on precise control of bulb tubular turbine	Wei Wang, Jiankang Deng , Xiaoman Cheng
376	19:15-19:30	Calculation method for natural frequency and damping ratio of hydropower units based on motion model separation	Shige Yu, Yun Zeng, Fang Dao, Xiang Li, Yiting Xu, Jing Qian
<b>20:00-22:00 Dinner</b>			