



香港大學浙江科學技術研究院

Zhejiang Institute of Research and Innovation

The University of Hong Kong

HKU-ZIRI 2020 Innovation Workshop-II : Health and Environment



09:00-17:00 18 November, 2020, via. ZOOM ID(No registration required)

ZOOM Link: <https://zoom.us/j/93737965602?pwd=SUtRWVppL3FjMHRtOU9Kd2JjTW5PUT09>

Meeting ID: 937 3796 5602; Password: aalab

Time	Speaker	Title	Affiliation	Category
Co-Chairs: Profs. Yuguo Li and Lixi Huang				
09:00-09:10	Organising Chair	Introduction		
09:10-09:30	Prof. Yuguo Li	Transmission mechanism of COVID-19-sewage aerosols and exhaled aerosols	The University of Hong Kong	PI Lecture
09:30-09:50	Prof. Li Liu	Detection and failure mechanism of environmental carrying capacity in hospital diagnostic facilities	Tsinghua University	Guest Lecture
09:50-10:10	Prof. Yixin Zhang	Aquatic ecosystem health and human health	Soochow University	Guest Lecture
10:10-10:30	Prof. Hailong Li	Submarine groundwater discharge drives coastal water quality and nutrient budgets at small and large scales	Southern University of Science and Technology	Guest Lecture
10:30-10:35	Break			
10:35-10:55	Dr. Haoran Yu	Development of rational design methods for enzyme engineering	Zhejiang University	Guest Lecture
10:55-11:15	Dr. Baozhong Zhang	SARS-CoV-2 infects human neural progenitor cells and brain organoids	The University of Hong Kong	Guest Lecture

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11:15-11:35	Dr. Daniel Yee-tak Fong	Noise sensitivity and nonrestorative sleep	The University of Hong Kong	Guest Lecture
11:35-12:00	Dr. Zhenmao Zhong	Noise control for power plants and application in Hangzhou	Huadian Heavy Industries Co.,Ltd	Guest Lecture

Lunch Break (12:00-13:30)

Time	Speaker	Title	Affiliation	Category
Chairs: Dr. Jian Wang				
13:30-13:50	Dr. Yumin Zhang	Altering frequency of sound wave	ZIRI	Contributed
13:50-14:10	Tianquan Tang	The manipulation of small-scale objects by the acoustic radiation force and the acoustic streaming.	HKU/ZIRI	Contributed
14:10-14:30	Keming Wu	Numerical simulation for time-varying boundaries	HKU/ZIRI	Contributed
14:30-14:50	Chao Shen	Plane wave scattering and absorption analysis of periodic metasurface with mode matching method	HKU/ZIRI	Contributed
14:50-14:55	Break			
14:55-15:15	Xiang Liu	The acoustic resonance controlled by mechatronic coupling	HKU/ZIRI	Contributed
15:15-15:35	Xingyu Zhang	Impedance of embedded perforations	HKU/ZIRI	Contributed
15:35-15:55	Bin Dong	Prediction of interaction noise from CR fans due to unsteady lift force	HKU/ZIRI	Contributed
15:55-16:15	Lau Chun Yik, Leung Yat Ching , Leung Cheuk Kit	How good is the plenum window for noise reduction?	HKU	Contributed