

SCHEDULE AT A GLANCE

Tuesday, August 17, 2021				
16:00~18:00	Session Testing, Conf ID 745702185			
Wednesday, August 18, 2021				
09:00~09:30	Opening Ceremony, Conf ID 601375622			
09:30~10:30	Keynote Speech 1, Conf ID 601375622			
Conf ID	883454191	690165474	436499230	552872902
10:45~12:45	SPG Session 01	SPG Session 06	SS Session 01	COM Session 01
12:45~14:00	Break			
14:00~15:00	Keynote Speech 2, Conf ID 610487742			
Conf ID	883454191	690165474	436499230	366800272
15:20~18:20	SPG Session 02	SPG Session 07	SS Session 02	BSPC Session
Thursday, August 19, 2021				
Conf ID	718570522	260213257	171584523	865800020
08:30~10:30	SPG Session 03	SPG Session 08	SS Session 03	COM Session 02
Conf ID	718570522	260213257	171584523	865800020
10:30~12:30	SPG Session 04	SPG Session 09	SS Session 04	CPT Session 01
12:30~14:00	Break			
Conf ID	718570522	260213257	171584523	865800020
14:00~17:00	SPG Session 05	SPG Session 10	SS Session 05	CPT Session 02
17:00~17:30	Award Ceremony & Closing, Conf ID 917968034			

SPG: Oral Presentation for Signal Processing track	COM: Oral Presentation for Communication track
CPT: Oral Presentation for Computing track	BSPC: Best Student Paper Contest
SS: Oral Presentation for Special Session track	
Conference Links: https://meeting.tencent.com/(mainland) https://voovmeeting.com/(outside&abroad)	

KEYNOTE SPEAKERS

Keynote Speaker 1

Time: 9:30~10:30, Wednesday, August 18, 2021

Host: Henry Chung, City University of Hong Kong

Government-Wide IoT Network (GWIN) for Smart City

Ir. C K LEE

Electrical and Mechanical Services Department (EMSD) ,
the Government of the Hong Kong Special Administrative Region

Abstract: With the rapid development of Internet of Things (IoT) technologies, massive and rapid deployment of IoT sensors can be supported with the distinct features of LPWAN technology - low power consumption, low bandwidth requirement and long-distance coverage. Electrical and Mechanical Services Department (EMSD) has established a Government Wide IoT Network (GWIN) and conducted trials on the remote monitoring of E&M equipment and smart city management applications. Through continuous digitalization of equipment and adoption of the city management applications via GWIN, more operational data could be harvested for analysis with AI technology, and more effective means of maintenance could be attained. This provides the momentum to drive Hong Kong towards developing into a Smart City.

BIOGRAPHY



Ir. C K LEE is a Chief Engineer of Electrical and Mechanical Services Department (EMSD) of the Government of the Hong Kong Special Administrative Region. He has over 30 years of diversified professional engineering experience in project management, consultancy, maintenance management and safety advisory in the fields of electronics, IT and biomedical engineering. He is currently overseeing digital transformation in EMSD and supporting innovation and technology as well as smart city development initiatives in various government departments.

Ir Lee is a Fellow Member of the Hong Kong Institution of Engineers and Member of the Institution of Engineering and Technology of UK. Ir Lee is currently the Chairman of the Electronics Division of the Hong Kong Institution of Engineers.

Keynote Speaker 2

Time: 14:00~15:00, Wednesday, August 18, 2021

Host: Jingdong Chen, Northwestern Polytechnical University

Harnessing Micro-Signals for Media and Physiological Forensics

Min Wu

Electrical and Computer Engineering Department,
University of Maryland, College Park

Abstract: Multiple types of nearly invisible “micro-signals” have played important roles in media security and forensics. Often considered as noise or interference and traditionally removed or ignored as nuances outside the forensics areas, these micro-signals are ubiquitous and can be an order of magnitude lower in strength or scale than the dominant ones. This talk will focus on two types of micro-signals from our information forensic research, and show the recent trend harnessing micro-signals for media integrity, digital humanity, wellness, and healthcare. The talk will address the technical challenges in exploring micro-signals as well as cross-disciplinary opportunities and applications.

BIOGRAPHY



Min Wu joined the faculty of the Electrical & Computer Engineering Department (ECE) and the Institute of Advanced Computer Studies (UMIACS) at the University of Maryland, College Park, where I am currently a Professor and a University Distinguished Scholar-Teacher. She is currently serving as Associate Dean for Graduate Affairs of the A. James Clark School of Engineering since Fall 2019. She is also affiliated with the Institute of Systems Research (ISR) at UMD. She leads the Media And Security Team (MAST), with main research interests on information security and forensics, and multimedia signal processing.

She served as Editor-in-Chief of the IEEE Signal Processing Magazine (2015-2017), and elected Chair of the IEEE Technical Committee on Information Forensics and Security (IFS TC, 2012-2013) and Vice President - Finance of the IEEE Signal Processing Society (2010-2012).