

2021 International Symposium on Big-Data, Cybersecurity and IoT

Symposium Program

3rd March 2021 (Wed)

<i>Plenary and Keynote Talk: GSB Activity Report (1)</i>			
JST	AEDT	EST (2 nd March)	
8:45-8:50	10:45-10:50	18:45-18:50	Opening Address Prof. Miki Haseyama Dean, Faculty of Information Science and Technology
8:50-9:40	10:50-11:40	18:50-19:40	GSB Activity Report Prof. Masaharu Yoshioka Director, Global Station for Big Data and Cybersecurity (GSB, HU)
Break (20min)			
<i>Keynote Talks: GSB Activity Report (2)</i>			
10:00-10:30	12:00-12:30	20:00-20:30	GSB Activity Report at UMass Amherst Prof. Shlomo Zilberstein Principal Investigator of GSB UMass Amherst unit
10:30-11:00	12:30-13:00	20:30-21:00	GSB Activity Report at UTS Prof. Eryk Dutkiewicz Principal Investigator of GSB UTS unit
Lunch Break (120min)			
<i>Invited Talks by GSB members (1)</i>			
JST	AEDT	EST (2 nd March)	
13:00-13:20	15:00-15:20	23:00-23:20	Adaptive Transmission with Frequency-Domain Precoding and Equalization for High Mobility Wireless Communications Prof. Xiaojing Huang (UTS)
13:20-13:40	15:20-15:40	23:20-23:40	New Radio (NR) PHY Research Dr. Beeshanga Abewardana Jayawickrama (UTS)
13:40-14:00	15:40-16:00	23:40-24:00	BeFAQT: Blockchain enabled Fish provenance And Quality Tracking Prof. Ren Ping Liu (UTS)
Break (20min)			
<i>Invited Talks by GSB members (2)</i>			
JST	AEDT	EST (3 rd March)	
14:20-14:40	16:20-16:40		Vehicle-to-Everything (V2X) Communications and IoT in Food Provenance Tracking Dr. Ying He
14:40-15:00	16:40-17:00		Application Specific Cybersecurity: IoT Security and Vehicular Network Security A/Prof. Priyadarsi Nanda (UTS)
15:00-15:20	17:00-17:20		Intelligent Room using IoT Network and Personal AI Agents Prof. Tetsuo Ono (HU)

Break (20min)			
<i>Invited Talks by GSB members (3)</i>			
15:40-16:00	17:40-18:00		Wireless Power Transmission for Emerging IoT Technologies Dr. Negin Shariati Moghadam (UTS)
16:00-16:20	18:00-18:20		Evaluation of Low Power Consumption Multimedia IoT System Using Zynq UltraScale+ RFSoc A/Prof. Hiroshi Tsutsui (HU)
16:20-16:40	18:20-18:40		Recent results on GaBP and AMP for large-scale signal detection Prof. Takeo Ohgane (HU)

4th March (Thur)

<i>Invited Talks by GSB members (4)</i>			
JST	AEDT	EST (3 rd March)	
9:00-9:20	11:00-11:20	19:00-19:20	Applied Singularity Theory -- an updated new catastrophe theory Prof. Toru Ohmoto (HU)
9:20-9:40	11:20-11:40	19:20-19:40	An elementary family of surfaces in a standard four-dimensional manifold Dr. Noriyuki Hamada (UMass)
9:40-10:00	11:40-12:00	19:40-20:00	Machine Learning with Higher-Order Feature Interactions A/Prof. Satoshi Oyama (HU)
10:00-10:20	12:00-12:20	20:00-20:20	Ethogram generation and stereotypy recognition for captive animals using deep learning A/Prof. Hiroyuki Iizuka (HU)
Break (20min)			
<i>Invited Talks by GSB members (5)</i>			
JST	AEDT	EST (3 rd March)	
10:40-11:00	12:40-13:00	20:40-21:00	Interpretable and Explainable Machine Learning for Trustworthy AI Prof. Hiroki Arimura (HU)
11:00-11:20	13:00-13:20	21:00-21:20	The Tactile Internet A/Prof. Justin Lipman (UTS)
11:20-11:40	13:20-13:40	21:20-21:40	SDN-assisted Multihop Routing in Ultra-Dense Wireless Networks A/Prof. Mehran Abolhasan (UTS)
11:40-12:00	13:40-14:00	21:40-22:00	Single-cell transcriptomics as big data biology Prof. Hidemi Watanabe (HU)
<i>Closing</i>			
12:00-12:05	14:00-14:05	22:00-22:05	Closing Remark Prof. Masaharu Yoshioka (GSB director, HU)