

**CALL FOR PARTICIPATION**  
**The 14<sup>th</sup> International Workshop on Artificial Intelligence and Cyber Security (AICS)**  
**8 December 2021**  
**in conjunction with ICONIP 2021 (Virtual Conference)**

**co-organiser:**



**co-sponsor:**



**Technical co-sponsors:**



Time	Programme	Session Chair
10:30 – 11:15	<b>Keynote 1:</b> <b>Fighting IoT Cyberattacks: Device Discovery, Attack Observation and Security Notification</b> <i>Prof Katsunari Yoshioka</i> <i>Yokohama National University, Japan</i>	Sye Loong Keoh
<b>Session I</b>		
11:15 – 11:30	<b>JStrack: Enriching Malicious JavaScript Detection Based on AST Graph Analysis and Attention Mechanism</b> <i>Muhammad Fakhrur Rozi (NIICT, Japan), Tao Ban (NIICT, Japan), Seiichi Ozawa (Kobe University, Japan), Sangwook Kim (Kobe University, Japan), Takeshi Takahashi (NIICT, Japan) and Dai Inoue (NIICT, Japan)</i>	
11:30 – 11:45	<b>A Segment-Based Layout Aware Model for Information Extraction on Document Images</b> <i>Maizhen Ning, Qiu-Feng Wang, Kaizhu Huang and Xiaowei Huang (Xi'an Jiaotong-Liverpool University, China)</i>	
11:45 – 12:00	<b>FHTC: Few-shot Hierarchical Text Classification in Financial Domain</b> <i>Anqi Wang, Qingcai Chen and Dongfang Li (Harbin Institute of Technology (Shenzen), China)</i>	
<b>BREAK</b>		
<b>Session II</b>		
12:15 – 13:00	<b>Keynote 2:</b> <b>Building Security and Privacy Assured Deep Neural Networks</b> <i>Dr Surya Nepal</i> <i>CSIRO Data61, Australia</i>	Geong Sen Poh
13:00 – 13:15	<b>A Comparative Study of Transformers on Word Sense Disambiguation</b> <i>Avi Chawla (Mastercard), Nidhi Mulay (Mastercard), Vikas Bishnoi (Mastercard), Gaurav Dhama (Mastercard) and Anil Kumar Singh (IIT (BHU) Varanasi, India)</i>	
13:15 – 13:30	<b>Retinal Vessel Segmentation based on Gated Skip-connection Network</b> <i>Huixia Yao, Yun Jiang, Tongtong Cheng and Jing Gao (Northwest Normal University Lanzhou, China)</i>	

13:30 – 14:15	<b>LUNCH</b>	
<b>Session III</b>		
14:15 – 15:00	<b>Invited Talk:</b> <b>Decentralized Learning for Anomaly Detection: Challenges and Opportunities</b> <i>Dr Tianwei Zhang</i> <i>School of Computer Science and Engineering, Nanyang Technological University, Singapore</i>	Paul Pang
15:00 – 15:15	<b>Question Answering over Knowledge Base Embeddings with Triples Representation Learning</b> <i>Zicheng Zuo (Shandong Jiaotong University, China), Zhenfang Zhu (Shandong Jiaotong University, China), Wenqing Wu (Shandong Jiaotong University, China), Qiang Lu (Shandong Jiaotong University, China), Dianyuan Zhang (Shandong Jiaotong University, China) and Wenling Wang (Ludong University, China)</i>	
15:15 – 15:30	<b>Combining Wikipedia to Identify Prerequisite Relations of Concepts in MOOCs</b> <i>Haoyu Wen, Xinning Zhu, Moyu Zhang, Chunhong Zhang and Changchuan Yin (Beijing University of Posts and Telecommunications, China)</i>	
15:30 – 15:45	<b>CDMC2021 Winner Presentation:</b> <i>Shuai Wang, Peixuan Li, Tianhe Lu, Tianjie Ju and Gongshen Liu (Shanghai Jiao Tong University, China)</i>	
15:45 – 16:00	<b>CLOSING</b>	