SmartIoT 2025
Technical Program at a Glance

Day 1 – November 17th, 2025 (Monday)			
09:00am-05:00pm November 17	**Registration** (Conference Room 4, Level 9, Peter Shergold Building, Parramatta City Campus, WSU)		
06:00pm-08:00pm November 17	**Welcome Reception Dinner** (Ground Floor, Elizabeth Room, PARKROYAL Parramatta Hotel)		
Day 2 – November 18th, 2025 (Tuesday)			
Conference Room 1 (Level 9, Peter Shergold Building, Parramatta City Campus, WSU)			
09:00-09:20am November 18	**Opening Remark** Opening Presentation		
09:20-10:30am November 18	**Keynote Speech 1: Solving Medical Challenges with Distributed Systems and Generative AI** Prof. Albert Y. Zomaya, Fellow of the Australian Academy of Science, Fellow of the IEEE The University of Sydney, Australia		
10:30-10:50am November 18	**Coffee Break**		
10:50-12:00am November 18	**Keynote Speech 2: Smart IoT in GenAI Era: A World Model Approach** Prof. Junshan Zhang, Fellow of National Academy of Inventors, Fellow of the IEEE Editor-in-Chief, IEEE/ACM Transactions on Networking University of California Davis, USA		
	Lunch & Noon Break		
	Conference Room 1	**Conference Room 2**	**Conference Room 3**
01:00-03:00pm November 18	**R1:** IoT sensing, localization and network optimization Chair: Claudio Savaglio	**R2:** Security and privacy for smart IoT or CPS Chair: Faizan Qamar	**R3:** Edge computing, fog computing and the compute continuum Chair: Kanaka Sai Jagarlamudi
03:00-03:20pm November 18	**Coffee Break**		
03:20-05:20pm November 18	**R4:** Artificial Intelligence, machine learning and evolutionary computing Chair: Hao Wu	**R5**: Adversarial game theory and security decision-making for IoT/CPS Chair: Ralph Deters	**S1:** Advanced Vision and Techniques for Intelligent IoT Systems Chair: Hoa Tran-Dang
06:30-09:30pm November 18	**Banquet & Conference Award Ceremony** (Ground Floor, Philip/Hunter Room, PARKROYAL Parramatta Hotel)		
Day 3 – November 19th, 2025 (Wednesday)			
Conference Room 1 (Level 9, Peter Shergold Building, Parramatta City Campus, WSU)			
09:00-10:10am November 19	**Keynote Speech 3: Collaborative Edge Computing for Ubiquitous AI** Prof. Jiannong Cao, Vice President, Member of Academia Europaea, Fellow of the IEEE The Hong Kong Polytechnic University, China		
10:10-10:30am November 19	**Coffee Break**		
10:30-11:40am November 19	**Keynote Speech 4: The Long Trajectory to Trajectory Privacy** Prof. Salil Kanhere, Editor-in-Chief, Ad Hoc Networks Journal The University of New South Wales, Australia		
	Lunch & Noon Break		
	Conference Room 1	**Conference Room 2**	**Conference Room 3**
01:00-03:00pm November 19	**R6:** Smart cities, intelligent transportation and internet of vehicles Chair: Anuj Nepal	**R7:** Smart Industrial and environmental IoT application Chair: Kashif Nisar	**R8**: Social networks, multimedia and mobile computing Chair: Rodrigo Neves Calheiros
03:00-03:20pm November 19	**Coffee Break**		
03:20-05:20pm November 19	**R9:** Big data analysis and cloud computing Chair: Md Zahangir Alam	**R10:** Intelligent and cooperative security in IoT and industrial systems Chair: Ranjit Kaur	**Poster Session** Chair: Shuang Liu
Day 4 – November 20th, 2025 (Thursday)			
09:00-12:00am November 20	**Organizing Committee Meeting**		

Keynote Speech 1

Professor Albert Y. Zomaya
Fellow of the Australian Academy of Science, Fellow of the IEEE
Centre for Distributed & High-Performance Computing
School of Computer Science
University of Sydney, Australia

Topic

Solving Medical Challenges with Distributed Systems and Generative AI

Abstract

This presentation explores how the convergence of distributed systems and generative AI is revolutionizing modern medicine. By enabling real-time, scalable, and privacy-preserving analytics, these technologies support breakthroughs in diagnostics, personalized treatment, surgical robotics, and drug discovery. Case studies in federated learning and pandemic response demonstrate clinical efficacy and global scalability. The talk also addresses ethical challenges, data equity, and future research directions. Together, distributed computing and generative modelling form a transformative healthcare infrastructure—decentralized yet intelligent—designed to enhance patient outcomes and democratize access to cutting-edge medical innovations across institutional and geographic boundaries.

Biography

Albert Y. ZOMAYA is the Peter Nicol Russell Chair Professor of Computer Science at the University of Sydney and Director of the Centre for Distributed and High-Performance Computing. A global leader in parallel and distributed systems, he has authored more than 800 publications and 30 books, shaping the field's research agenda for over three decades. He is a Fellow of the IEEE, the Australian Academy of Science, and the Royal Society of New South Wales, and an elected member of Academia Europaea and the European Academy of Sciences and Arts. Professor Zomaya previously served as Editor-in-Chief of IEEE Transactions on Computers, IEEE Transactions on Sustainable Computing, and ACM Computing Surveys. His work spans parallel and distributed computing, networking, and complex systems, with a lasting influence on both theory and practice.

Keynote Speech 2

Professor Junshan Zhang
Fellow of National Academy of Inventors, Fellow of the IEEE
Editor-in-Chief, IEEE/ACM Transactions on Networking
University of California Davis, USA

Topic

Smart IoT in GenAI Era: A World Model Approach Abstract

Abstract

Generative AI is redefining smart IoT ecosystems by embedding reasoning and intelligent decision-making capabilities directly into physical devices and systems. Through embodied intelligence, IoT devices are evolving from passive data collectors into active agents capable of predicting physical interactions and dynamically adapting to environmental changes, user behaviors, and system dynamics. In this talk, I will present our recent research on world model–based autonomous driving (AD) as a compelling example of this transformation. By leveraging the ability to extrapolate and anticipate outcomes in previously unseen situations, world model–based agents embody the generative and predictive strengths of AI, making them particularly adept at tasks that demand foresight and planning. Their self-supervised learning and proactive decision-making capabilities enable autonomous systems to go beyond reactive control, reasoning instead about the future. I will also introduce CarDreamer, our open-source reinforcement learning platform that integrates world models with CARLA to advance research in autonomous driving. In summary, we envision that smart IoT systems will evolve into an Internet of Agents—a connected ecosystem of intelligent, adaptive, and proactive entities shaping the physical world through generative intelligence.

Biography

Junshan Zhang has been a professor in the ECE Department and CS graduate faculty at University of California Davis since 2021. He received his Ph.D. degree from the School of ECE at Purdue University in Aug. 2000, and was on the faculty of the School of ECEE at Arizona State University from 2000 to 2021. His research interests fall in the general field of information networks and data science, including edge AI, reinforcement learning, world model, continual learning, wireless networks, information theory. He is a Fellow of National Academy of Inventor (class of 2024) and the IEEE (class of 2012), and a recipient of the ONR Young Investigator Award in 2005 and the NSF CAREER award in 2003. He is currently serving as Editor-in-Chief of IEEE/ACM Transactions on Networking.

Keynote Speech 3

Professor Jiannong Cao

Vice President, Member of Academia Europaea, Fellow of the IEEE
Fellow of China Computer Federation, Chair Professor of Distributed and Mobile Computing
The Hong Kong Polytechnic University, China

Topic

Collaborative Edge Computing for Ubiquitous AI

Abstract

We envision the era of ubiquitous AI in the not-too-distant future, when AI will become commonplace as electricity. Edge computing provides a powerful way to rapidly analyze data and process tasks at the edge of the network, closer to the end-user. Edge AI extends edge computing to enable AI on edge devices to make instantaneous intelligent decisions. In this talk, I will present a high performance and scalable edge AI infrastructure, collaborative edge AI (CEAI), where edge nodes share data and compute resources, collaboratively perform tasks and serve AI models to achieve distributed intelligence, making AI accessible everywhere. I will discuss about the challenging issues, including cross-node virtualization, distributed resource management, collaborative task scheduling, conflicting network flows, and distributed machine learning. I will highlight the proposed architecture, methods, and techniques to address the challenging issues and point out the future directions.

Biography

Prof. Cao is currently the Otto Poon Charitable Foundation Professor in Data Science and the Chair Professor of Distributed and Mobile Computing in the Department of Computing at The Hong Kong Polytechnic University (PolyU), Hong Kong. He is also the Vice President (Education) of PolyU and the director of the Internet and Mobile Computing Lab (IMCL). He was the founding director and now the director of PolyU's University's Research Facility in Big Data Analytics (UBDA). He served the department head from 2011 to 2017. Prof. Cao is a member of Academia Europaea, a fellow of IEEE, and an ACM distinguished member. He is also a fellow of China Computer Federation (CCF).

Keynote Speech 4

Professor Salil Kanhere
Editor-in-Chief, Ad Hoc Networks Journal
The University of New South Wales, Australia

Topic

The Long Trajectory to Trajectory Privacy

Abstract

Our daily movements disclose plenty of sensitive information about us - from our habits to religious and political opinions. At the same time, location trajectories are helpful for various applications such as city planning, pandemic control, or marketing. Therefore, numerous approaches for protecting the privacy of trajectory data have been proposed. Nevertheless, recent works show that we are still far from our goal of releasing high-quality trajectories for arbitrary applications under strong guarantees. This talk will provide an overview of location trajectories and their privacy protection. First, we explore whether existing protection mechanisms hold up to their promises in the age of AI. Through a deep learning-based reconstruction attack, we show that even mechanisms using the de facto privacy standard, differential privacy, might be vulnerable. Based on this, we discuss a framework and goals for designing effective privacy protection mechanisms. As we find that the existing protection mechanisms struggle with a restrictive privacy-utility trade-off, we explore whether generating fake data could be the solution. Through a large-scale experimental study, we examine generative models for trajectory data. While their utility is impressive, this research direction still requires future work to satisfy all the set goals.

Biography

Salil Kanhere is a Professor at the School of Computer Science and Engineering at UNSW Sydney, Australia. His research interests cover various aspects of cybersecurity, mobile computing, IoT, blockchain, and applied machine learning. He has published over 400 peer-reviewed articles and is leading several government and industry-funded research projects in these areas. Salil is the Editor in Chief of the Ad Hoc Networks journal and an Associate Editor of IEEE Transactions on Network and Service Management, Computer Communications, and Pervasive and Mobile Computing. He has served on the organising committees of several IEEE/ACM international conferences and is a steering committee member for IEEE LCN and IEEE ICBC. Salil has also co-authored two books.

Day 2 – November 18th, 2025 (Tuesday) - Conference Room 1	
Time	**Talks**
R1: IoT sensing, localization and network optimization Chair: Claudio Savaglio	
01:00-03:00pm November 18	**LoRa-Based Indoor Localization: The Role of Bandwidth and Spreading Factor** *Hakim Adjedjou, Lounis Zerioul, Iness Ahriz, Samuel Garcia and Michel Terre*
	An Interactive Visualization Framework for Heuristic-Driven IoT Topology Optimization *Ruimeng Cao, Songwei Zhang, Tie Qiu and Bingxian Lu*
	Radio Map Interpolation Using Geodesics on Statistical Manifolds *Imran Moez Khan, Xuezhi Wang, Bill Moran and Wayne Rowe*
	Evaluating Offloading Strategies in the IoT Continuum: A Simulation-based Approach *Claudio Savaglio, Raffaele Gravina, Antonio Guerrieri and Giancarlo Fortino*
	Flexibility-Enhanced Scheduling in Multi-Domain Time-Sensitive Networks *Guangzheng Guo, Zhenrui Cao, Shuang Liu and Tie Qiu*
	Energy-Aware Load Shifting in SWIPT-Enabled IoT Netwoarks *Biagio Boi, Laura Finarelli, Falko Dressler, Christian Esposito and Gianluca Rizzo*
03:00-03:20pm November 18	**Coffee Break**
R4: Artificial Intelligence, machine learning and evolutionary computing Chair: Hao Wu	
03:20-05:20pm November 18	**A Domain Adaptation Segmentation Network Based on Pyramid** Prototypes and Contrastive Learning *Wang Siqi, Wu Hao, Wu Chengdong, Yu Xiaosheng and Yu Meiyu*
	Validation of Simple Parallel Annealing Algorithm Using Transition-Based Multi-State Spin *Kazuma Kanai and Takayuki Kawahara*
	Active Color-Aware Demosaicing for Color Polarization Images *Junlin Li, Xiangyue Zhang, Hao Wu, Chengdong Wu and Yaoming Zhuang*
	From Industrial to Sports Activity Classification via AI of Things Knowledge Adaptation *Nazia Akter, Andreea Molnar and Dimitrios Georgakopoulos*
	A Novel Hierarchical Integration Method for Efficient Model Merging in Medical LLMs *Prakrit Timilsina, Anuj Nepal, Rajan Kadel and Robin Doss*
	A Machine Learning Approach for Real-time Gait Analysis *Ankan Ghosh, Sumaiya Afroz Mila, Zongwei Zhen, Cong Chen, Swarup Bhunia and Sandip Ray*
	Low-Light Polarized Image Enhancement via Multi-Scale Feature Fusion Network *Zhixin Dong, Hao Wu, Xiangyue Zhang and Chengdong Wu*

Full Program

Day 2 – November 18th, 2025 (Tuesday) - Conference Room 2	
Time	**Talks**
R2: Security and privacy for smart IoT or CPS Chair: Faizan Qamar	
01:00-03:00pm November 18	**Anonymous Lightweight Device-to-Device Continuous Authentication Protocol for IoT** *Yaovi Ahadjitse*
	High Fidelity Synthetic data with Self Mapped VAE for Intrusion Detection in SDN enabled Heterogeneous 6G Networks *Syed Hussain Ali Kazmi, Kashif Nisar, Faizan Qamar, Rosilah Hassan and Bahman Javadi*
	Direct-to-Cell Access for IoT Communications: A Blockchain-Assisted Approach *Zixin Wang, Zongyuan Song, Haoyang Li, Bin Cao and Mugen Peng*
	Secure Medical Image Encryption via Dual-Channel Strategy and Digital Signature Verification *Zixuan Qiao, Suxuan Yao, Yutong Xie, Xiaoqiang Zhu and Yingying Yao*
	MambaGuard: A Hybrid Framework for Unsupervised Anomaly Detection in IIoT Networks *Feng Xiong, Aniket Mahanti and Ni Ding*
	SMMEG-IoT: A Secure Multi-app Multi-protocol Edge Gateway for the IoT *Abdulkadir Dauda, Olivier Flauzac and Florent Nolot*
03:00-03:20pm November 18	**Coffee Break**
R5: Adversarial game theory and security decision-making for IoT/CPS Chair: Ralph Deters	
03:20-05:20pm November 18	**A Novel Whittle Index-Based Scheduling for Age of Information Minimization in IoT Networks** *Arian Morteza, Dongyu Qiu and Yousef R. Shayan*
	MAFT-Net: Deep Bayesian Filtering for Radar Multi-Agent Formation Tracking *Yifu Fu, Bin Rao, Dan Song, Boyu Han, Yiqian Shen and Wei Wang*
	Securing Agentic AI in IoT Systems *Sandra Kumi, Richard K. Lomotey and Ralph Deters*
	Enhancing Real-Time Malicious Traffic Detection in IoT Networks via Image-Based Convolutional Neural Networks: A Scalable Deep Learning Solution for Zero-Day Threats *Tai-Ying Chiu, Jiann-Liang Chen and Candra Ahmadi*
	A Hybrid Deep-Learning Model for Multi-Class IoT Threat Detection employing Attention-Enhanced CNN-BiLSTM *Bipraneel Roy, Hon Cheung and Chun Ruan*
	Game-theoretic AI for Zero Trust Cyber Defense *Al Amin Hossain and Darryl Ahner*

Day 2 – November 18th, 2025 (Tuesday) - Conference Room 3	
Time	**Talks**
R3: Edge computing, fog computing and the compute continuum **Chair: Kanaka Sai Jagarlamudi**	
01:00-03:00pm November 18	**TLBO-HHO AoI-Aware Task Offloading for Mobile Edge Computing** *Jie Bai, Haoru Su, Jing Bi, Li Zhang, Xiaoming Yuan and Xiliang Liu*
	An Analysis of the Impact of Network Conditions on Edge Federated Learning *Imran Zahid, Guilherme Rodrigues, Bahman Javadi and Rodrigo N. Calheiros*
	Multi-Agent Deep Reinforcement Learning based Offloading Strategies and Collaborative Optimization for Computing Power Networks *Ruiqi Zhang, Caixing Shao, Ran Li, Qilin Zhang and Jianhua He*
	IoMT Patient Monitoring with Blockchain and Fog Computing: A Secure and Efficient Architecture *Yunhao Zhao, Aniket Mahanti, Ranesh Naha and Sudheer Kumar Battula*
	A Link-Reliable Edge Computing Node placement strategy for Internet of Underwater Things *Zhao Zhao, Jiuxing Zhang, Wenwei Li, Chao Bu, Zening Zhao and Kai Shi*
	MicroIntent: Intent-Based Placement Strategy for Microservice Application in the Compute Continuum Using LLMs *Koushikur Islam Shohag, Guilherme Rodrigues, Bahman Javadi and Rodrigo N. Calheiros*
03:00-03:20pm November 18	**Coffee Break**
S1: Advanced vision and techniques intelligent IoT system **Chair: Hoa Tran-Dang**	
03:20-05:20pm November 18	**IAM-based Zero Trust Architecture for IoT: Securing Non-Human Identities in a Connected World** *Sthembile Mthethwa, Edgar Jembere and Moses Dlamini*
	An IoT-Enabled Remote-Controlled Oil Skimming Boat Using LoRa Communication for Real-Time Environmental Monitoring *Shameer Ahmed, Fraz Ahmad, Younus Ahamad Shaik, Fahiza Fauz, Dilbar Hussain, Pankaj Yadav, Hammad Maqsood and Raja Atta Ur Rehman*
	FLOPs-based Lightweight Latency Estimation for Edge AI Inference on Raspberry Pi Devices *Kangbok Seo, Eunghyup Kim, Homin Kang and Soonju Kang*
	Quantum Meta-Learning for Adaptive Task Offloading in Dynamic Edge Computing Networks *Hoa Tran-Dang and Kim Dong-Seong*
	Development of AI-ML based Models for Predicting Prices of Agri-horticulture Commodities such as Pulses and Vegetable *Jayapradha J, Haw Su Cheng, Ganga Hemanth E, Teja D and Senthil Kumar T*
	Does Interactive AI-Enhanced Learning Increase Study Time: A Large-Scale Longitudinal Survey of Japanese Junior and Senior High School Students *Shiroh Ohno*

Full Program

Day 3 – November 19th, 2025 (Wednesday) - Conference Room 1	
Time	**Talks**
R6: Smart cities, intelligent transportation and internet of vehicles Chair: Anuj Nepal	
01:00-03:00pm November 19	**Parameters design for vertical section of a 30,000-ton heavy-haul railway aligment based on longitudinal dynamics analysis** *Qihan Chu, Can Zou and Yiming Zhang*
	A Real-Time Internet of Things System for Enhancing Cyclist Safety *Kanaka Sai Jagarlamudi, Ashim Debnath, Arkady Zaslavsky, Wonmongo Lacina Soro, Narelle Haworth, Alireza Hassani and Alexey Medvedev*
	A Logic-Driven Framework for Home Health Monitoring Using the Matter Protocol and Epistemic Reasoning *Viane Matsibekker, Gwendolyn Morgan, James Oswald and Thomas Ferguson*
	Cross-Modality Cooperative Perception for Multiple Vehicles under V2X *Tianci Fu, Fengxiang Long, Mengzhen Li and Xiaobo Zhou*
	E2E-V2X-CP: An Efficient Cooperative Perception Method for End-to-End Autonomous Driving *Jing Zhang, Fengxiang Long, Mengzhen Li and Xiaobo Zhou*
03:00-03:20pm November 19	**Coffee Break**
R9: Big data analysis and Cloud computing Chair: Md Zahangir Alam	
03:20-05:20pm November 19	**Breaking Through Blockchain Scalability Barriers in IoT: A Decoupled Dual-Consensus Approach** *Mingrui Cao, Bin Cao and Mugen Peng*
	DMSformer: Lightweight Transformer-based Model For Multivariate Time Series Forecasting *Shotaro Kawano and Takayuki Kawahara*
	Evaluation of Visual Adversarial Robustness on Multilingual Large Vision-Language Model *Ryo Kumagai, Shu Takemoto, Yusuke Nozaki and Masaya Yoshikawa*
	Entropy Regularized Transformer Autoencoder For Anomaly Detection in Multivariate Time Series *Mostofa Fahim Hasan, Md Sayem, Md.Jahid Hasan, Md Zahangir Alam and Tarem Ahmed*
	Enabling Efficient Federated Learning at the Edge through Sparse Forward-Forward Algorithm *Ilenia Ficili, Enrico Catalfamo, Fabrizio De Vita, Dario Bruneo and Antonio Puliafito*
	Scalable and Robust AI Forecasting of University KPIs Using LSTM and Random Forest within the Lamar Data Lakehouse *Ronish Shresth, Md Rana, Frank Sun and Bo Sun*

Day 3 – November 19th, 2025 (Wednesday) - Conference Room 2	
Time	**Talks**
R7: Smart industrial and environmental IoT application **Chair: Kashif Nisar**	
01:00-03:00pm November 19	**Modernizing Legacy Healthcare Systems Utilizing Semantic-based Automated Mapping** *Haw Su-Cheng, Tai Tong-Ern, Kong Wan-Er, Ng Kok-Why and Palanichamy Naveen*
	Design and Implementation of a handlebar defect detection system based on machine vision *Yirui Gou, Yajun Liu, Yaxuan Yu and Shengkai Guo*
	Hamming Distance aware Fault Analysis for LTLBC *Yusuke Nozaki, Shu Takemoto and Masaya Yoshikawa*
	Resilient Digital Twin Framework for Integrated Anomaly Detection, Classification, and Forensic Analysis in Dynamic Cyber-Physical Systems Under Adversarial Attacks *Md Rana and Helen Lou*
	Low-Latency Power Line Component Detection using Quantized YOLO on Edge Devices *Nico Surantha and Zhang Hanfei*
	Optimizing Industrial Anomaly Detection with Window-based Sparse Attention *Tianyi Xu, Yang Liu, Ziqi Gan and Tie Qiu*
03:00-03:20pm November 19	**Coffee Break**
R10: Intelligent and cooperative security in IoT and industrial systems **Chair: Ranjit Kaur**	
03:20-05:20pm November 19	**Effects of Beacon Spoofing Attacks on Various LoRaWAN Network Devices** *Jayan Ariyawansa, Rodrigo N. Calheiros, Alana Maurushat and Ala Abdulhakim Al-Areqi*
	Blockchain Scalability in Healthcare: A Systematic Review of Privacy and Security Considerations *Ranjit Kaur, Seyed Shahrestani and Chun Ruan*
	Learning-enabled Intrusion Detection in IoT: Current Challenges and Future Directions *Safae Naciri, Olivier Gamache, Jacob Ouellet-Boudreault, Adel Abusitta, Martine Bellaiche and Talal Halabi*
	EV-CybersecurityClinic: Privacy-Preserving Distributed State Estimation for Electric Vehicles, and Federated Learning for Secure Network Control — Theories, Applications, and Research Roadmap *Md Masud Rana*
	Improving IoT Cyber Threat Response with Multi-Agent LLMs and Semantic Retrieval *James Alan Williams, Sohan Gyawali, Yili Jiang and Jiaqi Huang*
	Global-Local Normalization based Model Pool for Online Anomaly Detection in IIoT *Yuanzhe Liu, Yang Liu, Cunyu Zhang, Yaotian Dong, Shuxin Ma and Yang Yang*

Full Program

Day 3 – November 19th, 2025 (Wednesday) - Conference Room 3	
Time	**Talks**
R8: Social networks, multimedia and mobile computing **Chair: Rodrigo Neves Calheiros**	
01:00-03:00pm November 19	**Adaptive Handover Algorithm Based on A-FAHP and Dwell Time Prediction in 5G HetNets** *Chengbin Huang, Jiahao Zhou, Li Cong, Yang Zhou and Chen Chen*
	Energy-Efficient Communication and Localisation Protocol for Industrial IoT Devices *Max Amiri, David Eyers and Morteza Biglari-Abhari*
	Adaptive Crowd Sensing with Privacy-Preserving WiFi Fingerprinting *Rui Neto Marinheiro, Fernando Brito E Abreu, Tiago Vieira and Miguel Martins*
	Federated-Aware Intelligent Mode Selection with Low-Latency Scheduling in Computing Power Networks *Yanmin Zhang, Xin Liu, Fengbiao Zan, Tianyi Xu and Tie Qiu*
	Refined Faster R-CNN for Enhanced Object Detection in 360-Degree Camera Systems *Sagar Shankarrao Dake, Arun Kumar and Narayan Nepal*
03:00-03:20pm November 19	**Coffee Break**
Poster Session **Chair: Shuang Liu**	
03:20-05:20pm November 19	**AI-Driven Real-Time Adaptive Camouflage System** *Sajad Ghatrehsamani, Dylan Moore, Shuvashis Saha and Lawrence Ong*
	Efficient Gesture Recognition Using Simplified and Quantized CNN Architecture *Bong-Seok Kim, Soon Kwon and Sangdong Kim*
	Performance Comparison of Attention Modules in YOLO-based Vehicle Detection Network with a Super-resolution Branch *Hyunjin Jo and Byung Wook Kim*
	Convolutional Neural Network-Based Intelligent Waste Classification for Smart City *Shengjie Li, Jiancheng Chi, Lei Wang and Van Cu Pham*

Venue

Conference Venue Address: Level 9, Peter Shergold Building, Parramatta City Campus, Western Sydney University, 169 Macquarie Street, Parramatta NSW 2150

Welcome Reception Dinner Address: Elizabeth Room, Ground Floor, 30 Phillip St, Parramatta NSW 2150

Banquet Address: Philip/Hunter Room, Ground Floor, 30 Phillip St, Parramatta NSW 2150