

Time	Wednesday 11 December 2024	Thursday 12 December 2024	Friday 13 December 2024
17:00 Sydney	Keynote 2 Prof. Kiley Seymour/ Tamara Watson		Keynote 5 Prof Katina Michaels
16:00 Sydney	Panel 1 WIE & YP (Bushra Naeem)	Panel 2 (Prof Alireza Jolfaei)	Panel 3 Compliance Engineering Prof Jolfaei/Dr Canchi/ Mr Croft
15:00 Sydney	Keynote 1 Prof. Carolyn McGregor	Keynote 3 Prof. Dr. Amin Beheshti, Prof Kaveh Fanian	Keynote 4 A/Prof John Cass
15:00 Sydney 9:00am India 12:00 (noon) China	Opening Ceremony		

Time	Wednesday 11 December 2024	Thursday 12 December 2024	Friday 13 December 2024
14:00 – 15:00 Sydney	Session 3 (Syd+C3) presentations	Session 6 (Syd+C6) presentations	Session 9 (Syd) presentations
13:00 – 14:00 Sydney	Lunch	Lunch	Lunch
12:00 -13:00 Sydney	Session 2 (Syd+C2) presentations	Session 5 (Syd+C5) presentations	Session 8 (Syd) presentations
11:00am – 12:00 Sydney	Session 1 (Syd+C1) presentations	Session 4 (Syd+C4) presentations	Session 7 (Syd) presentations

C1: Heart rate estimation

Chairman: Caijun Li

Time: 8:00am-9:00am (China time zone)

<https://us05web.zoom.us/j/6857179526?pwd=rEtNnOh16vBflxLEWT3FUOfPox0kg2.1&omn=82975662059>

Conference ID: 685 717 9526

Password: 123ABC

Paper ID: #32 1571084611

Authors: Juntao Ding and Meilin Wang (Guangdong University of Technology, China); Bingo Wing-Kuen Ling (Guangzhou, China); Qian Liu (Guangdong University of Technology, China)

Title: Feature Extraction and Heart Rate Estimation of SCG Based on Hybrid EMD Decomposition

Paper ID: #33 1571084631

Authors: Qian Liu and Meilin Wang (Guangdong University of Technology, China); Bingo Wing-Kuen Ling (Guangzhou, China); Juntao Ding (Guangdong University of Technology, China)

Title: Heart Rate Estimation Based on Two Layer Long Short Term Memory Network Inspired by Random Forest Architecture

Paper ID: #35 1571084656

Authors: Xiaofeng Guo and Meilin Wang (Guangdong University of Technology, China); Bingo Wing-Kuen Ling (Guangzhou, China)

Title: SCG Processing and Heart Rate Estimation Algorithm Based on Frequency-Domain Non-Uniform Sampling and First-Order Derivative

Paper ID: TCE-2024-10-3167

Authors: Dr. Bingo Ling

Title: Robust Video-based Heart Rate Estimation via SAM2 Network

C2: EEG processing

Chairman: Juntao Ding

Time: 9:00am-10:00am (China time zone)

<https://us05web.zoom.us/j/6857179526?pwd=rEtNnOh16vBflxLEWT3FUOfPox0kg2.1&omn=81783540072>

Conference ID: 685 717 9526

Password: 123ABC

Paper ID: #34 1571084648

Authors: Jinpei Zhang and Meilin Wang (Guangdong University of Technology, China); Bingo Wing-Kuen Ling (Guangzhou, China)

Title: Feature Extraction Based on Joint Variational Modal Decomposition and Continuous Time Wavelet Transform for TENS Therapy via EEG Classification

Paper ID: #46 1571089733

Authors: Guobin Chen and Qing Liu (Guangdong University of Technology, China); Bingo Wing-Kuen Ling (Guangzhou, China)

Title: *EEG Denoising Attention Classification Method Based on SVM Coupled with Otsu's Method Improved Fluctuation Discrete Entropy Threshold*

Paper ID: TCE-2024-10-3159

Authors: ; Jiaqi Liu, Xueling Zhou, Bingo Wing-Kuen Ling, Meilin Wang and Ziqi Guo

Title: Epilepsy classification based on t distributed stochastic neighbor embedding extracted in Riemannian tangent space via K nearest neighbors

C3: Medical applications

Chairman: Qian Liu

Time: 11:00am-12:00am (China time zone)

<https://us05web.zoom.us/j/6857179526?pwd=rEtNnOh16vBflxLEWT3FUOfPox0kg2.1&omn=81038318734>

Conference ID: 685 717 9526

Password: 123ABC

Paper ID: TCE-2024-10-3163

Authors: Caijun Li, Yuxin Lin, Bingo Wing-Kuen Ling, Zhihao Wu and Qing Liu

Title: Atrial Fibrillation Classification via SSA Component Selection Block and CNN Classification Block

Paper ID: TCE-2024-10-3083

Authors: Mr. Miao

Title: A Graph SIR Network Based on Dynamic Graph Structures and Residual Learning for Epidemic Prediction

Paper ID: TCE-2024-10-3081

Authors: Mr. Chen

Title: Top-down Control of Unpaired Data for Multi-Contrast MRI Super-Resolution

C4: Scene and posture recognition

Chairman: Jinpei Zhang

Time: 8:00am-9:00am (China time zone)

<https://us05web.zoom.us/j/6857179526?pwd=rEtNnOh16vBflxLEWT3FUOfPox0kg2.1&omn=83037171968>

Conference ID: 685 717 9526

Password: 123ABC

Paper ID: #53 1571092215

Authors: Zhuyu Shao (First, China); Shuguang Zhang (First Author, China); Xiaodong Chen, Zhen Wang and Peng Li (First, China)

Title: *Scene Recognition of Remote Sensing Image with Residuals*

Paper ID: #55 1571092279

Authors: Dong Gu, Jiayang Sun, Qinjun Guo, Teng Ma and Zhiguo Wang (First, China)

Title: *Improved Human Posture Recognition for HRNet*

Paper ID: #87 1571100188

Authors: Zihan Han (Ujn, China); Yong-Feng Zhang and Xing Chen (University of Jinan, China)

Title: *Real-Time Pose Estimation of Lifting Components in High-Voltage Transmission Tower Construction Using Machine Vision*

Paper ID: TCE-2024-10-3076

Authors: Indoor Scene Recognition in Vision-and-Language Navigation

Title: Mr. Miao

C5: Machine learning and image processing

Chairman: Xiaofeng Guo

Time: 9:00am-10:00am (China time zone)

<https://us05web.zoom.us/j/6857179526?pwd=rEtNnOh16vBflxLEWT3FUOfPox0kg2.1&omn=87105736302>

Conference ID: 685 717 9526

Password: 123ABC

Paper ID: #50 1571090533

Authors: Yong-Feng Zhang and Hui Zhao (University of Jinan, China); Na Wang (Shandong Institute of Metrology, China)

Title: *DDPG-Ent: a Novel Integration of Maximum Entropy in Deep Reinforcement Learning*

Paper ID: TCE-2024-10-3079

Authors: Dr. ZENG

Title: Enhancing Code Transformation in Large Language Models by Retrieval-augmented Fine-tuning Code

Paper ID: TCE-2024-10-3049

Authors: Dr. ZENG

Title: Improved Semantic Segmentation with Large-scale Attention-based Self-supervised Few-shot Learning

Paper ID: TCE-2024-11-3215

Authors: Dr. Tang

Title: Skeleton-Driven Efficient Processing and Analysis of 3D Point Cloud Data

C6: Text detection and control of traffic signal and vehicles

Chairman: Guobin Chen

Time: 11:00am-12:00am (China time zone)

<https://us05web.zoom.us/j/6857179526?pwd=rEtNnOh16vBflxLEWT3FUOfPox0kg2.1&omn=85488343037>

Conference ID: 685 717 9526

Password: 123ABC

Paper ID: #85 1571100066

Authors: Yang Zuoxiu and Guozhi Yan (Chongqing University, China); Weizhen Han and Bingyi Liu (Wuhan University of Technology, China); Kai Liu (Chongqing University, China)

Title: *A Multi-Agent Cooperative Attention Framework for Joint Control of Traffic Signal and Vehicles*

Paper ID: TCE-2024-10-3070

Authors: Dr. ZENG

Title: A Multi-Agent Cooperative Attention Framework for Joint Control of Traffic Signal and Vehicles

Paper ID: #86 1571100175

Authors: Xing Chen and Yong-Feng Zhang (University of Jinan, China); Zihan Han (Ujn, China)

Title: *CAS-DBNet: a Novel Framework for Text Detection*

Paper ID: TCE-2024-11-3379

Authors: Qiang Jia, Xianyang Meng and Xiaowen Bi

Title: Private Platooning Control of Multi-Vehicle Systems: A Bipartite Graph Based Approach