ONLINE SESSIONS (on Zoom) - The Zoom URL will be provided on the virtual platform, CONFlux.

Invited Talk I: Erik Cambria (Chair: Koichiro Yamauchi) — Monday, July 1, 2024, 20:40–21:40

Invited Talk II: Hussein Abbass (Chair: Hisashi Handa) — Monday, July 1, 2024, 20:40–21:40

Track labels (left margin): Rooms 1–23 = IJCNN; Room 24 = IEEE CEC; Room 25 = FUZZ IEEE. (Room 24, Tuesday columns = IJCNN)

Virtual Rooms	Sun 19:00-20:40 Session A	Sun 21:00-22:40 Session B	Sun 23:00-24:40 Session C	Mon 18:50-20:30 Session D	Mon 23:00-22:40 Session E	Tue 19:00-20:40 Session F	Tue 21:00-22:40 Session G	Tue 23:00-24:40 Session H
1	Large Language Models 1	Large Language Models 2	Large Language Models 3	Neural Networks for Recommendations 1	Neural Networks for Recommendations 3	Neural Networks in Cyber Security 1	Neural Networks in Cyber Security 2	Neural Networks in Cyber Security 3
2	Large Language Models 4	Large Language Models 5	Large Language Models 6	Neural Networks for Recommendations 2	Neural Networks for Recommendations 4	Neural Networks for Video Processing 1	Neural Networks for Video Processing 2	Neural Networks for Video Processing 3
3	Transformers 1	Transformers 2	Transformers 3	Transformers 4	Transformers 5	Transformers 6	Transformers 7	Transformers 8
4	Neural Networks for Natural Language Processing 1	Neural Networks for Natural Language Processing 2	Neural Networks for Natural Language Processing 3	Neural Networks for Natural Language Processing 4	Neural Networks for Natural Language Processing 5	Neural Networks for Natural Language Processing 6	Neural Networks for Natural Language Processing 7	Transformers 9
5	Reinforcement Learning 1	Reinforcement Learning 2	Reinforcement Learning 3	Reinforcement Learning 4	Reinforcement Learning 5	Reinforcement Learning 6	Reinforcement Learning 7	Reinforcement Learning 8
6	Domain Adaptation 1	Domain Adaptation 2	Domain Adaptation 3	Neural Networks for Time Series Data 1	Neural Networks for Time Series Data 2	Neural Networks for Time Series Data 3	Neural Networks for Time Series Data 4	Neural Networks for Time Series Data 5
7	Neural Networks for Image Processing 1	Neural Networks for Image Processing 3	Neural Networks for Image Processing 5	Neural Networks for Image Processing 7	Neural Networks for Image Processing 9	Neural Networks for Image Processing 11	Neural Networks for Image Processing 13	Neural Networks for Image Processing 15
8	Neural Networks for Image Processing 2	Neural Networks for Image Processing 4	Neural Networks for Image Processing 6	Neural Networks for Image Processing 8	Neural Networks for Image Processing 10	Neural Networks for Image Processing 12	Neural Networks for Image Processing 14	Neural Networks for Image Processing 16
9	Neural Networks for Medical Data Processing 1	Neural Networks for Medical Data Processing 2	Neural Networks for Medical Data Processing 3	Neural Networks for Medical Data Processing 4	Neural Networks for Medical Data Processing 5	Neural Networks for Medical Data Processing 6	Neural Networks for Medical Data Processing 7	Neural Networks for Image Processing 17
10	Deep Learning for Graphs1	Deep Learning for Graphs 3	Deep Learning for Graphs 5	Deep Learning for Graphs 7	Deep Learning for Graphs 9	Deep Learning for Graphs 11	Deep Learning for Graphs 13	Deep Learning for Graphs 15
11	Deep Learning for Graphs 2	Deep Learning for Graphs 4	Deep Learning for Graphs 6	Deep Learning for Graphs 8	Deep Learning for Graphs 10	Deep Learning for Graphs 12	Deep Learning for Graphs 14	Neural Networks for Sentiment Analysis 3
12	Deep Learning Architecture 1	Deep Learning Architecture 3	Deep Learning Architecture 5	Continual Learning 1	Continual Learning 2	Neural Networks for Sentiment Analysis 1	Neural Networks for Sentiment Analysis 2	Neural Networks for Sentiment Analysis 4
13	Deep Learning Architecture 2	Deep Learning Architecture 4	Deep Learning Architecture 6	Neural Networks for Signal Processing 1	Neural Networks for Signal Processing 2	Self-supervised Learning 1	Self-supervised Learning 3	Deep Learning Theory
14	Generative Adversarial Networks 1	Generative Adversarial Networks 2	Generative Adversarial Networks 3	Neural Network-Based Methods for Human-Centric Perception and Understanding 1	Neural Network-Based Methods for Human-Centric Perception and Understanding 2	Self-supervised Learning 2	Self-supervised Learning 4	Hybrid Learning Methods
15	Feature Extraction 1	Feature Extraction 2	Generative Adversarial Networks 4	Machine Learning and Signal Processing for Brain or Behavioral Analysis 1	Machine Learning and Signal Processing for Brain or Behavioral Analysis 2	Machine Learning and Deep Learning Methods Applied to Vision and Robotics 1	Machine Learning and Deep Learning Methods Applied to Vision and Robotics 2	Neural Networks in Robotics
16	Computational Intelligence in Software Engineering	Computational Intelligence Techniques for Observable Smart Grid and Sustainable Energy Systems	Event Detection	Explainable AI 1	Explainable AI 2	Explainable AI 3	Explainable AI 4	Meta-Learning and Ensembles
17	Learning from Small Data: Techniques and Applications 1	Learning from Small Data: Techniques and Applications 2		Learning from Small Data: Techniques and Applications 3	Learning from Small Data: Techniques and Applications 4	Image Super Resolution and Generation 1	Image Super Resolution and Generation 2	Recurrent Neural Networks
18	Neural Network Applications 1	Neural Network Applications 3	Neural Network Applications 5	Intelligent Vehicles and Transportation Systems 1	Intelligent Vehicles and Transportation Systems 2	Neural Networks for Anomaly Detection 1	Neural Networks for Anomaly Detection 2	Transfer Learning
19	Neural Network Applications 2	Neural Network Applications 4	Neural Network Applications 6	Deep Edge Intelligence 1	Deep Edge Intelligence 2	Neural Networks in Health Care 1	Neural Networks in Health Care 2	Adversarial Attack
20	Representation Learning for Multi-Model Data 1	Representation Learning for Multi-Model Data 2	Harnessing the Power of Offline Reinforcement learning for Attention-based Intellifent Agents	Representation Learning for Multi-Model Data 3	Representation Learning for Multi-Modal Data 4	Spiking Neural Networks 1	Spiking Neural Networks 2	Adversarial Machine Learning and Cyber Security
21	Federated Learning 1	Federated Learning 2	Federated Learning 3	A Human-Centric Perspective of Explainability Interpretability and Resilience in Computer Vision 1	A Human-Centric Perspective of Explainability, Interpretability and Resilience in Computer Vision 2	Machine Learning Algorithms 1	Machine Learning Algorithms 3	Machine Learning Algorithms 5
22	Neural Networks for Question Answering 1	Neural Networks for Question Answering 2	Neural Networks for Question Answering 3	Human-Machine Interaction 1	Human-Machine Interaction 2	Machine Learning Algorithms 2	Machine Learning Algorithms 4	Machine Learning Algorithms 6
23	Efficiency, Security, and Generalization of Foundation Models 1	Efficiency, Security, and Generalization of Foundation Models 2	Efficiency, Security, and Generalization of Foundation Models 3	Applied Artificial Intelligence for Reliable and Trustworthy Medical Decision-Making Systems 1	Applied Artificial Intelligence for Reliable and Trustworthy Medical Decision-Making Systems 2	Unsupervised Learning and Clustering 1	Unsupervised Learning and Clustering 2	Unsupervised Learning and Clustering 3
24	Algorithms 1	Algorithms 2	Machine Learning	Multi-objective Optimization	Multi-/Many-objective Optimization	Generative AI 1	Generative AI 2	
25	Applications	Foundations		Applications 1	Applications 2	Neural Networks	Evolutionary Computation for Feature Selection, Extraction and Dimensionality Reduction	Evolutionary Computation in Healthcare Industry