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WELCOME TO ISKE 2023

Welcome all of you to join the 18th International Conference on Intelligent Systems and Knowledge Engineering (ISKE 2023), which will be held in Fuzhou, China during November 17-19, 2023. This conference aims to provide a platform for technical and scientific professionals from academia, research and industries in the fields of intelligent systems and knowledge engineering to exchange knowledge and distribute the emerging state-of-the-art technologies.

After several rounds of review procedure, the program committee accepted the papers to be published in conference proceedings. We wish to express our sincere appreciation to all the individuals who have contributed to the conference. Special thanks are extended to our colleagues in program committee for their thorough review of all the submissions, which is vital to the success of the conference, and also to the members in the organizing committee and the volunteers who had dedicated their time and efforts in planning, promoting, organizing and helping the conference.

This year we are honored to welcome three distinguished keynote speakers: Dr. Yu Zheng from JD.COM, China; Prof. Dongrui Wu from Huazhong University of Science and Technology, China and Prof. Nian Zhang from University of the District of Columbia (UDC), USA.

We conclude by wishing all conference participants a positive experience in the 3-day series of conference sessions. It will be a wonderful opportunity for all attendees to come together in Fuzhou.

Enjoy the conference ISKE 2023!

ISKE Organizing Committee
Fuzhou, China | Nov. 17-19, 2023

CONFERENCE COMMITTEE

Steering Committee Chair

Etienne E.Kerre Ghent University, Belgium

Steering Committee

Guoqing Chen	Tsinghua University, China
Cengiz Kahraman	Istanbul Technical University, Turkey
Tianrui Li	Southwest Jiaotong University, China
Zhong Li	FernUniversität, Germany
Jun Liu	University of Ulster, United Kingdom
Jie Lu	University of Technology Sydney, Australia
Luis Martinez López	University of Jaén, Spain
Javier Montero	Universidad Complutense de Madrid, Spain
Ronei Macros de Moraes	Federal University of Paraíba, Brazil
Yang Xu	Southwest Jiaotong University, China
Xianyi Zeng	The ENSAIT Textile Institute, France

General Chairs

Guoqing Chen	Tsinghua University, China
Jie Lu	University of Technology Sydney, Australia
Javier Montero	Universidad Complutense de Madrid, Spain
Yang Xu	Southwest Jiaotong University, China

Program Chairs

Tianqiang Huang	Fujian Normal University, China
Tianrui Li	Southwest Jiaotong University, China
Jun Liu	University of Ulster, UK
Luis Martínez López	University of Jaén, Spain

Organization Chairs

Li Xu	Fujian Normal University, China
Shuwei Chen	Southwest Jiaotong University, China
Zhong Li	FernUniversität, Germany

CONFERENCE COMMITTEE

Publication Chairs

Xiaoping Qiu	Southwest Jiaotong University, China
Junbo Zhang	JD.com, China
Li Zou	Shandong Jianzhu University, China
Zhen Fang	University of Technology Sydney, Australia

Special Session Chairs

Guangquan Zhang	University of Technology Sydney, Australia
Cengiz Kahraman	Istanbul Technical University, Turkey
Min Han	Southwest Jiaotong University, China

Sponsor Co-Chair

Feng Ye	Fujian Normal University, China
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Web and Content Co-Chairs

Haifeng Luo	Fujian Normal University, China
Xingxing He	Southwest Jiaotong University, China

Registration Chairs

Liqing Huang	Fujian Normal University, China
Jie Hu	Southwest Jiaotong University, China

Publicity Chair

Lei Chen	Shandong University, China
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CONFERENCE VENUE

Qi Shan Plum Garden Hotel | 福州旗山梅园酒店

Address

No. 350, Guobin Avenue, Shangjie Town, Minhou County,
Fuzhou City, China
福州市闽侯县上街镇国宾大道 350 号(地铁 2 号上街 A 出口)

Sign-in & Materials Collection

Lobby (1st Floor)



Venue Information

Nov. 18-Morning

Banquet Hall-C (2nd Floor)

Nov. 18-Afternoon

Duo Gong Neng Ting (F Floor) Duo Mei Ti Ting A (F Floor) Duo Mei Ti Ting B (F Floor)

Nov. 19-Morning

Duo Gong Neng Ting (F Floor) Duo Mei Ti Ting A (F Floor) Duo Mei Ti Ting B (F Floor)

Nov. 19-Afternoon

Duo Gong Neng Ting (F Floor)

Transportation

Fuzhou Railway Station (福州站)

Take Metro Line 1 to 南门兜, transfer to Metro Line 2 to 上街 station Exit A.

Fuzhou South Railway Station (福州南站)

Take Metro Line 1 to 南门兜, transfer to Metro Line 2 to 上街 station Exit A.

Fuzhou Changle International Airport (长乐国际机场)

Take Airport Line (旗山梅园线) to Qi Shan Plum Garden Hotel.

东街口 (三坊七巷)

Take Metro Line 1 to 南门兜, transfer to Metro Line 2 to 上街 station Exit A.

GUIDELINES

Oral Presentation

- The duration of a keynote speech is 45 minutes, for normal presentation slot is 15 minutes. Please target your lecture for a duration of about 12 minutes for the presentation plus about 3 minutes for questions from the audience.
- Your punctual arrival and active involvement in each session will be highly appreciated.
- Get your presentation PPT or PDF files prepared and backed up.
- Laptops, projector & screen, laser sticks will be provided by the conference organizer.

Security

- Please ensure that you take your belongings with you at all times when leaving a room. Do not leave bags or laptops unattended.

Name Badge

- For security purposes, delegates, speakers, exhibitors and staff are required to wear their name badge to all sessions and social functions. Entrance into sessions is restricted to registered delegates only. If you misplace your name badge, please replace at the sign-in desk.

CONFERENCE AGENDA

Nov.17, 2023 - Friday

10:00-18:00	Sign-in & Materials Collection	Lobby (1st Floor)
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Nov. 18, 2023 - Saturday

08:40-09:20	Opening Ceremony	
	Chair: Tianqiang Huang, Fujian Normal University, China	
	Welcome Address- The leader of Fujian Normal University	
	History of ISKE - Jie Lu, University of Technology Sydney, Australia	
	Program Chair Report- Tianqiang Huang, Fujian Normal University, China	
	<i>Group Photo</i>	
09:20-10:05	Keynote Speech-Dr. Yu Zheng, JD. COM, China <i>Urban Computing: Building intelligent Cities using AI and Big Data</i>	
	Chair: Jie Lu, University of Technology Sydney, Australia	
10:05-10:50	Keynote Speech-Prof. Dongrui Wu, Huazhong University of Science and Technology, China <i>Machine Learning in Brain-Computer Interfaces</i>	
	Chair: Zhong Li, FernUniversität, Germany	
10:50-11:10	<i>Coffee Break</i>	
11:10-11:55	Keynote Speech-Prof. Nian Zhang, University of the District of Columbia (UDC), USA <i>Recent Advances and Trends on Hyperspectral Image Preprocessing, Optimization, and Classification Techniques</i>	
	Chair: Luis Martínez López, University of Jaén, Spain	
11:55-13:00	<i>Lunch</i>	
13:00-15:00	S1-Artificial Intelligent Methodology and System-A	Duo Gong Neng Ting (F Floor)
	S2-Knowledge Engineering and Management	Duo Mei Ti Ting A (F Floor)
	S3-Practical Applications of AI and Knowledge Engineering-A	Duo Mei Ti Ting B (F Floor)
15:00-15:15	<i>Coffee Break</i>	
15:15-17:30	S4-Artificial Intelligent Methodology and System & Knowledge Engineering and Management	Duo Gong Neng Ting (F Floor)
	S5-Logic, Computation and Artificial Intelligence	Duo Mei Ti Ting A (F Floor)
	S6-Practical Applications of AI and Knowledge Engineering-B	Duo Mei Ti Ting B (F Floor)
18:00-20:00	<i>Conference Banquet</i>	

CONFERENCE AGENDA

Nov. 19, 2023 - Sunday

08:30-10:00	S7-Artificial Intelligent Methodology and System-B	Duo Gong Neng Ting (F Floor)
	S8-Logic, Computation and Artificial Intelligence & Deep Learning for Time Series Forecasting	Duo Mei Ti Ting A (F Floor)
	S9-Practical Applications of AI and Knowledge Engineering-C	Duo Mei Ti Ting B (F Floor)
10:00-10:15	<i>Coffee Break</i>	
10:15-12:00	S10-Artificial Intelligent Methodology and System-C	Duo Gong Neng Ting (F Floor)
	S11-Intelligent Manufacturing Enabled Sustainable Development	Duo Mei Ti Ting A (F Floor)
	S12-Decision Models under Uncertainty Applied for Sustainable Development	Duo Mei Ti Ting B (F Floor)
12:00-13:00	<i>Lunch</i>	
13:00-15:00	S13-Explainable Deep Learning Techniques and Applications	Duo Gong Neng Ting (F Floor)
15:00-15:30	<i>Closing Ceremony</i> Chair: Jianting Ning, Fujian Normal University, China	

KEYNOTE SPEAKERS

Time: 09:20-10:05 | Nov. 18, 2023

Venue: Banquet Hall-C (2nd Floor)

Chair: Jie Lu, University of Technology Sydney, Australia



Dr. Yu Zheng

- IEEE Fellow
- JD.COM

Dr. Yu Zheng is the Vice President of JD.COM and president JD Intelligent Cities Research. Before joining JD.COM, he was a senior research manager at Microsoft Research. He was the Editor-in-Chief of ACM Transactions on Intelligent Systems and Technology and has served as the program co-chair of ICDE 2014 (Industrial Track), CIKM 2017 (Industrial Track) and IJCAI 2019 (industrial track). He is also a keynote speaker of AAAI 2019, KDD 2019 Plenary Keynote Panel and IJCAI 2019 Industrial Days. His monograph, entitled Urban Computing, has been used as the first text book in this field. He received the SIGKDD Test-of-Time Award in 2023 and SIGSPATIAL 10-Year-Impact Award for three times in 2019, 2020 and 2022 respectively. In 2013, he was named one of the Top Innovators under 35 by MIT Technology Review (TR35) and featured by Time Magazine for his research on urban computing. In 2016, Zheng was named an ACM Distinguished Scientist and elevated to an IEEE Fellow in 2020 for his contributions to spatio-temporal data mining and urban computing.

Speech Title: Urban Computing: Building intelligent Cities using AI and Big Data

Abstract: Urban computing connects ubiquitous sensing technologies, advanced data management and analytics models, and novel visualization methods, to create win-win-win solutions that improve urban environment, life quality, and city operation systems. This talk presents the vision and framework of urban computing, introducing the challenges and the-state-of-the-art solutions in each layer of the framework. Based on the vision of urban computing, we have built an intelligent city operation system which has been deployed in over 20 cities as a digital foundation to empower Big Data-driven applications.

KEYNOTE SPEAKERS

Time: 10:05-10:50 | Nov. 18, 2023

Venue: Banquet Hall-C (2nd Floor)

Chair: Zhong Li, FernUniversität, Germany



Prof. Dongrui Wu

- IEEE Fellow
- Huazhong University of Science and Technology, China

Dongrui Wu (IEEE Fellow) received a B.E in Automatic Control from the University of Science and Technology of China, Hefei, China, in 2003, an M.Eng in Electrical and Computer Engineering from the National University of Singapore in 2006, and a PhD in Electrical Engineering from the University of Southern California, Los Angeles, CA, in 2009. He is now Professor and Deputy Director of the Key Laboratory of the Ministry of Education for Image Processing and Intelligent Control, School of Artificial Intelligence and Automation, Huazhong University of Science and Technology, Wuhan, China.

Prof. Wu's research interests include brain-computer interface, machine learning, computational intelligence, and affective computing. He has more than 200 publications (11000+ Google Scholar citations; h=54). He received the IEEE Computational Intelligence Society (CIS) Outstanding PhD Dissertation Award in 2012, the IEEE Transactions on Fuzzy Systems Outstanding Paper Award in 2014, the IEEE Systems, Man and Cybernetics (SMC) Society Early Career Award in 2017, the USERN Prize in Formal Sciences in 2020, the IEEE Transactions on Neural Systems and Rehabilitation Engineering Best Paper Award in 2021, the Chinese Association of Automation Early Career Award in 2021, and the Ministry of Education Young Scientist Award in 2022. His team won the First Prize of the China Brain-Computer Interface Competition in four successive years (2019-2022). Prof. Wu is the Editor-in-Chief of IEEE Transactions on Fuzzy Systems.

Title: Machine Learning in Brain-Computer Interfaces

Abstract: A brain-computer interface (BCI) enables a user to communicate with a computer directly using brain signals. Electroencephalograms (EEGs) used in BCIs are weak, easily contaminated by interference and noise, non-stationary for the same subject, and varying across different subjects and sessions. Thus, sophisticated machine learning approaches are needed for accurate and reliable EEG-based BCIs. This talk will introduce the basic concepts of BCIs, review the latest progress, and describe several newly proposed machine learning approaches for BCIs.

KEYNOTE SPEAKERS

Time: 11:10-11:55 | Nov. 18, 2023

Venue: Banquet Hall-C (2nd Floor)

Chair: Luis Martínez López, University of Jaén, Spain



Prof. Nian Zhang

- University of the District of Columbia (UDC), USA

Dr. Nian Zhang is a Professor in the Department of Electrical and Computer Engineering at the University of the District of Columbia (UDC), Washington, D.C., USA. She received her Ph.D. degree in Computer Engineering from Missouri University of Science & Technology, USA, and Master's degree in Automatic Control from Huazhong University of Science and Technology, China. Her research interests include machine learning, deep learning, classification, clustering, and optimization. Dr. Zhang was awarded numerous federal grants from the National Science Foundation, Department of Defense, and National Institutes of Health as the PI/Co-PI, accumulating over \$4.5 million in research grant funds. Dr. Zhang serves as an Associate Editor for the IEEE Transactions on Cybernetics, IEEE Transactions on Neural Networks and Learning Systems, Knowledge-Based Systems, and IEEE/CAA Journal of Automatica Sinica. She also serves on the Editorial Board of the Complex & Intelligent Systems. In addition, Dr. Zhang serves as the Chair of the IEEE Computational Intelligence Society (CIS) Task Force on "Interdisciplinary Emergent Technologies" and the Vice Chair of the IEEE CIS' Adaptive Dynamic Programming and Reinforcement Learning Technical Committee. She regularly serves as the Program Chair and Publications Chair of annual international conferences, including ISNN, ICACI, ICICIP, and ICIST. Dr. Zhang received the IEEE Transactions on Neural Networks and Learning Systems (TNNLS) "Outstanding Associate Editor Award" in 2020. She also received the UDC's faculty recognition awards for Excellence in Research Award, Excellence in Teaching Award, and Outstanding Undergraduate Research Mentorship Award in three consecutive years.

Title: Recent Advances and Trends on Hyperspectral Image Preprocessing, Optimization, and Classification Techniques

Abstract: Hyperspectral image classification is an important research topic that focuses on assigning class labels to pixels, which is very challenging because of unbounded size and imbalanced nature of data. This talk will introduce a new computational framework that integrates data preprocessing, optimization, and classification techniques to distinguish trace chemicals from the substrates on which they rest at standoff distances. This talk will first introduce a new data preprocessing method aimed at addressing the class imbalance and unlabeled data challenges commonly encountered in real-world hyperspectral images. Then, a creative approach for extracting endmembers through a global optimization algorithm will be presented. Finally, possible trends and new research directions will be discussed.

TECHNICAL SESSIONS on Nov. 18

Session 1: Artificial Intelligent Methodology and System-A

TIME	13:00-15:00	VENUE	Duo Gong Neng Ting
CHAIR	Zhiqiang Yao, Fujian Normal University, China		

Time	Paper ID	Details
13:00-13:15	6458	<p>Title: Deep Learning Approach to Cardiovascular Disease Classification Employing Long Duration ECG Signal via Variational Mode Decomposition</p> <p>Author(s): Runjie Wu, Xiaoli Wang, Qi Feng</p> <p>Presenter: Runjie Wu</p> <p>Affiliation: Guangdong Polytechnic Normal University</p>
13:15-13:30	5789	<p>Title: Temporal Related Attention for Video-Based Pedestrian Attribute Recognition</p> <p>Author(s): Yuning Zhao, Heng Jin, Xiameng Shi, He Sun</p> <p>Presenter: He Sun</p> <p>Affiliation: Zhejiang Dahua Technology Co.,Ltd.</p>
13:30-13:45	7818	<p>Title: A Parted-based Method for Unsupervised Visible-Infrared Re-identification</p> <p>Author(s): Yunxiao Shi, Zeng Yu, Tianrui Li, Shengdong Du, Yeyiran Jing</p> <p>Presenter: Yunxiao Shi</p> <p>Affiliation: Southwest Jiaotong University</p>
13:45-14:00	8769	<p>Title: An Intelligent VB-AKF Algorithm with Fuzzy Adaptive Attenuation Parameter</p> <p>Author(s): Qi Feng, Ducheng Shi, Runjie Wu, Xiaoli Wang</p> <p>Presenter: Ducheng Shi</p> <p>Affiliation: Guangdong Polytechnic Normal University</p>
14:00-14:15	737	<p>Title: Artificial Intelligence Tools for Early Detection of Product Defects in the Pharmaceutical Industry</p> <p>Author(s): Makope Tshehla-Nkuna, Ndala Yves Mulongo</p> <p>Presenter: Ndala Yves Mulongo</p> <p>Affiliation: University of Johannesburg</p>
14:15-14:30	5288	<p>Title: Content-Based Video Clustering Using Hybrid Multi-View Spatio-Temporal Feature Learning</p> <p>Author(s): Muhammad Hafeez Javed, Zeng Yu, Taha M. Rajeh, Fares Alhaek, Tianrui Li</p> <p>Presenter: Muhammad Hafeez Javed</p> <p>Affiliation: Southwest Jiaotong University</p>

14:30-14:45	6906	Title: Multi-Modal Deep Learning Architecture for Accurate Driver Behavior Recognition in Automated Driving Systems Author(s): Fares Alhaek, Weichao Liang, Taha M. Rajeh, Muhammad Hafeez Javed, Tianrui Li Presenter: Fares Alhaek Affiliation: Southwest Jiaotong University
14:45-15:00	7039	Title: Research on Service Governance Security Based on Federated Mechanism Author(s): Shuo Sheng, Kun Che Presenter: Shuo Sheng and Kun Che Affiliation: Zenitera Co. Ltd
15:00-15:15		<i>Coffee Break</i>

Session 4: Artificial Intelligent Methodology and System & Knowledge Engineering and Management

TIME	15:15-17:30	VENUE	Duo Gong Neng Ting
CHAIR	Zhiqiang Yao, Fujian Normal University, China		

Time	Paper ID	Details
15:15-15:30	3085	Title: A Study of Deep Fuzzy Clustering Method Based on Maximum Entropy Clustering Author(s): Haoyu Huang, Shaoyong Li Presenter: Haoyu Huang Affiliation: Wuyi University
15:30-15:45	4552	Title: Application of Artificial Intelligence on Water Testing Laboratory Production Processes Author(s): Ndala Yves Mulongo, Jwalane Elizabeth Bosae Presenter: Ndala Yves Mulongo Affiliation: University of Johannesburg
15:45-16:00	5092	Title: VCU-RVIL: A Multi-sensor Dataset for Benchmark of Simultaneous Localization and Mapping Author(s): Lingqiu Jin, Cang Ye Presenter: Cang Ye Affiliation: Virginia Commonwealth University
16:00-16:15	3095	Title: Fusing Directed Negative Samples into Graph Convolutional Networks for Enhancing Node Learning Author(s): Qi Wang, Yujin Lu, Wanyi Zhou, Rui Wang, Jeffrey Zheng Presenter: Qi Wang Affiliation: Yunnan University
16:15-16:30	9269	Title: Enhanced Density Clustering Based on Density Decay Structure and Spectral Clustering Author(s): Yutong Ke, Zhiguo Long, Hua Meng Presenter: Yutong Ke Affiliation: Southwest Jiaotong University

16:30-16:45	2386	<p>Title: DFEE-Net: Dual-stream Feature Exchange Enhanced Network for Image Forgery Localization</p> <p>Author(s): Aokun Zheng, Chao Xu, Tianqiang Huang, Feng Ye, Haifeng Luo, Liqing Huang</p> <p>Presenter: Aokun Zheng</p> <p>Affiliation: Fujian Normal University</p>
16:45-17:00	732	<p>Title: Extracting Events Using Spans Enhanced with Trigger-Argument Interaction</p> <p>Author(s): Chi Xu, Zefan Zeng, Jiashun Duan, Qi Qi, Xin Zhang</p> <p>Presenter: Jiashun Duan</p> <p>Affiliation: National University of Defense Technology</p>
17:00-17:15	7891	<p>Title: A Extended Rough Set Model of Graph Structure for Incomplete Information System Using Spark</p> <p>Author(s): Zhengjiang Wu, Tao Lian, Ruimin Li, Xuyang Wu</p> <p>Presenter: Zhengjiang Wu</p> <p>Affiliation: Henan Polytechnic University</p>
17:15-17:30	7072	<p>Title: Automatic Identification of Helpful Information on Social Media During Natural Disaster Based on Word2Vec and Bert</p> <p>Author(s): Lei Shi, Daiying Zhao</p> <p>Presenter: Lei Shi</p> <p>Affiliation: National Academy of Innovation Strategy, CAST</p>
18:00-20:00	<i>Conference Banquet (Banquet Hall-C 2nd Floor)</i>	

Session 2: Knowledge Engineering and Management

TIME	13:00-15:00	VENUE	Duo Mei Ti Ting A
CHAIR	Xingxing He, Southwest Jiaotong University, China		

Time	Paper ID	Details
13:00-13:15	4153	<p>Title: Liquefied Petroleum Gas Concentration Prediction Based on Regression Model</p> <p>Author(s): Siting Chen, Yi Song, Yunchuan Li, Hongjun Wang</p> <p>Presenter: Yi Song</p> <p>Affiliation: Southwest Jiaotong University</p>
13:15-13:30	6611	<p>Title: Feature Selection in High-dimensional Set-valued Decision System</p> <p>Author(s): Zhengjiang Wu, Ruimin Li, Tao Lian, Xuyang Wu</p> <p>Presenter: Zhengjiang Wu</p> <p>Affiliation: Henan Polytechnic University</p>
13:30-13:45	5178	<p>Title: Design Novel FCM-based Forecasting Model for Interval-valued Time Series: From Distance-metric Perspective</p> <p>Author(s): Fei Yang, Chenxi Ouyang, Fusheng Yu, Yuqing Tang, Yanan Jiang</p> <p>Presenter: Fei Yang</p> <p>Affiliation: Beijing Normal University</p>
13:45-14:00	4072	<p>Title: Knowledge-Guidance Based Multi-Relational Graph Spectral Clustering Using a Novel Structural Similarity Measure</p> <p>Author(s): Yingying Zheng, Fusheng Yu, Huilin Yang, Zhifang Bai, Shihu Liu</p> <p>Presenter: Yingying Zheng</p> <p>Affiliation: Beijing Normal University</p>
14:00-14:15	5127	<p>Title: Developing a Knowledge-requirements Engineering Framework Towards Transformative (Eco)systems/Metaverses/Ecologies</p> <p>Author(s): Chien-Sing Lee</p> <p>Presenter: Chien-Sing Lee</p> <p>Affiliation: Fulbright</p>
14:15-14:30	8850	<p>Title: Ensemble Clustering via Adaptive Weight Adjustment and Cluster Generation in Difference Similarity</p> <p>Author(s): Xiaoning Wang, Chun Liu, Hengshan Zhang, Yun Wang</p> <p>Presenter: Hengshan Zhang</p> <p>Affiliation: Xi'an University of Posts and Telecommunications</p>
14:30-14:45	9985	<p>Title: DeepNWP4Wind: A Wind Forecasting Correction Solution in view of Multi-Criteria Evaluation</p> <p>Author(s): Binyu Tan, Junrui Shi, Bin Wang, Yanwei Yu, Feng Hong, Tianrui Li</p> <p>Presenter: Bin Wang</p> <p>Affiliation: Ocean University of China</p>

14:45-15:00	2233	<p>Title: Little Known POI Category Estimation via Syntactical Knowledge Graph Generated via Tweets</p> <p>Author(s): Landy Rajaonarivo, Tsunenori Mine, Yutaka Arakawa</p> <p>Presenter: Landy Rajaonarivo</p> <p>Affiliation: Kyushu University</p>
15:00-15:15		<i>Coffee Break</i>

Session 5: Logic, Computation and Artificial Intelligence

TIME	15:15-17:30	VENUE	Duo Mei Ti Ting A
CHAIR	Xingxing He, Southwest Jiaotong University, China		

Time	Paper ID	Details
15:15-15:30	574	<p>Title: Positional Feature Generator-based Transformer for Image Captioning</p> <p>Author(s): Shuai He, Xiaobao Yang, Sugang Ma, Bohui Song, Ziqing He, Wei Luo</p> <p>Presenter: Shuai He</p> <p>Affiliation: Xi'an University of Posts and Telecommunications</p>
15:30-15:45	2461	<p>Title: DSCJA-Captioner: Dual-branch Spatial and Channel Joint Attention for Image Captioning</p> <p>Author(s): Xi Tian, Xiaobao Yang, Sugang Ma, Bohui Song, Ziqing He</p> <p>Presenter: Xi Tian</p> <p>Affiliation: Xi'an University of Posts and Telecommunications</p>
15:45-16:00	7266	<p>Title: Dynamic Knowledge Discovery Under the Linguistic Concept Weighted Network Formal Context Based on Three-way Decision</p> <p>Author(s): Zheng Yang, Xi Zhang, Xianghua Du, Luis Martínez, Xin Liu, Li Zou</p> <p>Presenter: Li Zou</p> <p>Affiliation: Shandong Jianzhu University</p>
16:00-16:15	7929	<p>Title: (α, β)- Lock Resolution Method of Linguistic Truth-Valued Intuitionistic Fuzzy First-order Logic</p> <p>Author(s): Nan Li, Yanling Wang, Yujie Cao, Martinez Carracedo, Jorge, Lixian Xu, Jun Liu</p> <p>Presenter: Lixian Xu</p> <p>Affiliation: Ulster University</p>
16:15-16:30	7386	<p>Title: Clustering Network Based on Pre-clustering Center Codebook</p> <p>Author(s): Qiulong An, Jianning Wu, Tianqiang Huang, Liqing Huang, Haifeng Luo, Feng Ye</p> <p>Presenter: Qiulong An</p> <p>Affiliation: Fujian Normal University</p>
16:30-16:45	4313	<p>Title: Formal Modelling of the Multiple Trains Following Operation in Uncertain Environments</p> <p>Author(s): Xia Wang, Yang Xu, Jun Liu, Guanfeng Wu, Shuwei Chen</p> <p>Presenter: Shuwei Chen</p> <p>Affiliation: Southwest Jiaotong University</p>

16:45-17:00	3276	<p>Title: Learning Spatial-Temporal Context-Based Dynamic Feature Fusion Correlation Filters for Object Tracking</p> <p>Author(s): Bo Zhao, Zhixian Zhao, Sugang Ma, Xiaobao Yang</p> <p>Presenter: Bo Zhao</p> <p>Affiliation: Xi'an University of Posts and Telecommunications</p>
17:00-17:15	3810	<p>Title: Priori information Guided Memory Network for Video Object Segmentation</p> <p>Author(s): Zhiqiang Hou, Jiale Dong, Fucheng Li, Sugang Ma, Xiaobao Yang, Jiulun Fan</p> <p>Presenter: Zhiqiang Hou</p> <p>Affiliation: Xi'an University of Posts and Telecommunications</p>
17:15-17:30	188	<p>Title: Graph-based Competence Model for Concept Drift Detection</p> <p>Author(s): Yiping Sun, Yansen Yu, Cheng Jin, Qingyong Zhang, Weixu Liu, Hang Yu</p> <p>Presenter: Yiping Sun</p> <p>Affiliation: Shanghai University</p>
18:00-20:00	<i>Conference Banquet (Banquet Hall-C 2nd Floor)</i>	

Session 3: Practical Applications of AI and Knowledge Engineering-A

TIME	13:00-15:00	VENUE	Duo Mei Ti Ting B
CHAIR	Sirui Han, The Hong Kong Polytechnic University, China		

Time	Paper ID	Details
13:00-13:15	9592	<p>Title: A Decentralized Gossip Management Method for Household Microgrids</p> <p>Author(s): Lu Luo, Peng Wu, Li Wang, Yan Jia</p> <p>Presenter: Shengyu Chen</p> <p>Affiliation: Guangdong University of Technology</p>
13:15-13:30	7363	<p>Title: Coordinated Virtual Inertial Control of DFIG with BESS for Frequency Support</p> <p>Author(s): Shengyu Chen, Guidong Zhang, Samson Shenglong Yu, Yun Zhang, Zhong Li</p> <p>Presenter: Shengyu Chen</p> <p>Affiliation: Guangdong University of Technology</p>
13:30-13:45	4438	<p>Title: A Multi-scale Deep Image Completion Model Fused Capsule Network</p> <p>Author(s): Minglan Zhang, Chun Zhao, Weiqi Cheng, Linfu Sun, Yisheng Zou, Min Han</p> <p>Presenter: Minglan Zhang</p> <p>Affiliation: Southwest Jiaotong University</p>
13:45-14:00	3372	<p>Title: A Multi-population Evolutionary Algorithm for Multi-scenario Multi-objective Optimization Problems</p> <p>Author(s): Yuanyuan Hao, Yan Li, Zhong Li</p> <p>Presenter: Zhong Li</p> <p>Affiliation: Minnan Normal University</p>
14:00-14:15	7006	<p>Title: ILKA-Net: CT Metal Artifact Reduction Network Based on Large Kernel Attention</p> <p>Author(s): Xuanxuan Zhang, Yunfei Jia, Jiawei Cui, Chenhui Ye</p> <p>Presenter: Yunfei Jia</p> <p>Affiliation: Xi'an University of Posts and Telecommunications</p>
14:15-14:30	5876	<p>Title: Domain Adaptation for Image Segmentation with Category-Guide Classifier</p> <p>Author(s): Keqiuyin Li, Jie Lu, Hua Zuo, Guangquan Zhang</p> <p>Presenter: Jie Lu</p> <p>Affiliation: University of Technology Sydney</p>
14:30-14:45	7688	<p>Title: A Multi-task Bearing Fault Diagnosis Method Based on Multi-scale Residual CNN with Dual Attention</p> <p>Author(s): Yufei Han, Chaofan Li, Tianrui Li, Fan Zhang</p> <p>Presenter: Yufei Han</p> <p>Affiliation: Southwest Jiaotong University</p>

14:45-15:00	3043	Title: Edge-Cloud Collaborative High-Quality Recommendation: A Meta-Learning Approach Author(s): Hao Chen, Ruiping Yin, Zhen Yang Presenter: Hao Chen Affiliation: Beijing University of Technology
15:00-15:15		<i>Coffee Break</i>

Session 6: Practical Applications of AI and Knowledge Engineering-B

TIME	15:15-17:30	VENUE	Duo Mei Ti Ting B
CHAIR	Sirui Han, The Hong Kong Polytechnic University, China		

Time	Paper ID	Details
15:15-15:30	8681	Title: A Smart Grid Engineering Framework Based on the Information Evolution in Power Supply Enterprises Author(s): Tiefeng Zhang, Pengfei Gao, Mingjiu Pan, Yongjie Ye Presenter: Tiefeng Zhang Affiliation: North China Electric Power University
15:30-15:45	1944	Title: Methodology for the Detection of Risk States in Emotional Disorders Author(s): Yury Jiménez Agudelo, Victoria López López, María Espinosa Ruiz, Pavel Llamocca Portella, Diego Urgelés Puértolas, César Guevara Presenter: Jimenez Agudelo Affiliation: Cunef Universidad
15:45-16:00	4780	Title: Deep Neural Network-empowered Polygenic Disease Prediction on Cardiovascular Diseases Author(s): Zelia Soo, Hua Lin, Yue Yang, Mark Grosser, Yi Zhang, Jie Lu Presenter: Zelia Soo Affiliation: University of Technology Sydney
16:00-16:15	2271	Title: Temperature Drift Compensation of Light Scattering PM Sensor Based on BP Neural Network Author(s): Zhicong Shen, Junying Niu, Zongzheng You Presenter: Junying Niu Affiliation: Shunde Polytechnic
16:15-16:30	6071	Title: HVAC System Air Filter Maintenance: A Fuzzy Machine-Learning-Based System Author(s): Rinta Kridalukmana, Mohsen Naderpour, Fahimeh Ramezani, Helen Lu, Pascal Xavier Presenter: Rinta Kridalukmana Affiliation: Diponegoro University
16:30-16:45	5653	Title: Construction Progress Prediction of Substation Infrastructure Project Based on Random Forest Author(s): Bin Han, Hui Xiao, Lei Yu, Zhiqiang Xu, Weiqing Chen, Xiaohu Sun Presenter: Xiaoyi Gou Affiliation: Nanjing NARI Information and Communication Technology

16:45-17:00	5949	Title: P2P Traffic Recognition Method Based on Support Vector Machine Author(s): Zihao Qi, Haiyan Xie, Lihao Shi Presenter: Lihao Shi Affiliation: Dalian Maritime University
17:00-17:15	5359	Title: Streaming Video Temporal Action Segmentation in Real Time Author(s): Wujun Wen, Yunheng Li, Zhuben Dong, Lin Feng, Wanxiao Yang, Shenglan Liu Presenter: Yifeng Dong Affiliation: Dalian University of Technology
17:15-17:30	2957	Title: Research on an Embedding and Mapping Approach with Domain-independent Latent for Cross-domain Recommender System Author(s): Chenxia Jin, Yongwang Duan, Lei Zhou Presenter: Yongwang Duan Affiliation: Hebei University of Science and Technology
18:00-20:00		<i>Conference Banquet (Banquet Hall-C 2nd Floor)</i>

TECHNICAL SESSIONS on Nov. 19

Session 7: Artificial Intelligent Methodology and System-B

TIME	08:30-10:00	VENUE	Duo Gong Neng Ting
CHAIR	Changying Wang, Fujian Agriculture and Forestry University, China		

Time	Paper ID	Details
08:30-08:45	7572	<p>Title: A Cross-chains Procurement Approach Between Enterprises Targeted at Automotive Service Providers</p> <p>Author(s): Yunhui Gao, Linfu Sun, Qishi Wu, Yisheng Zou</p> <p>Presenter: Yunhui Gao</p> <p>Affiliation: Southwest Jiaotong University</p>
08:45-09:00	5451	<p>Title: FXAI: Fusing XAI for Predicting COVID-19 Using Diverse Chest X-ray Images</p> <p>Author(s): Radhwan A. A. Saleh, Shawqi Mohammed Farea, Zaid Al-Huda, Metin Ertunc, Daniel Kvak, Mugahed A. Al-antari</p> <p>Presenter: Mugahed A. Al-antari</p> <p>Affiliation: Sejong University</p>
09:00-09:15	9686	<p>Title: MDAU-Net: A Multi-Scale U-Net with Dual Attention Module for Pavement Crack Segmentation</p> <p>Author(s): Zaid Al-Huda, Bo Peng, Mugahed A. Al-Antari, Riyadh Nazar Ali Algburi, Radhwan A. A. Saleh, Khaled Moghalles</p> <p>Presenter: Zaid Al-Huda</p> <p>Affiliation: Southwest Jiaotong University</p>
09:15-09:30	6897	<p>Title: A Survey: Navigating the Landscape of Incremental Learning Techniques and Trends</p> <p>Author(s): Yixin Li, Weijie Wu, Xintao Luo, Minjia Zheng, Yinning Zhang, Bo Peng</p> <p>Presenter: Xintao Luo</p> <p>Affiliation: Guangdong University of Technology</p>
09:30-09:45	9029	<p>Title: Contrastive Clustering with False Negatives Exclusion and Filtering Attraction</p> <p>Author(s): Qiyi Wu, Yan Yang, Yongquan Jiang</p> <p>Presenter: Yan Yang</p> <p>Affiliation: Southwest Jiaotong University</p>
09:45-10:00	3611	<p>Title: Artificial Intelligence in Maximizing Product Quality in Automotive Industry: A Case on a South African Tier Two Manufacturing Processes</p> <p>Author(s): Thobile Lungile Mbatha, Ndala Yves Mulongo</p> <p>Presenter: Ndala Yves Mulongo</p> <p>Affiliation: University of Johannesburg</p>
10:00-10:15	Coffee Break	

Session 10: Artificial Intelligent Methodology and System-C

TIME	10:15-12:00	VENUE	Duo Gong Neng Ting
CHAIR	Changying Wang, Fujian Agriculture and Forestry University, China		

Time	Paper ID	Details
10:15-10:30	6288	<p>Title: A Novel Image Encryption Based on Style Transfer</p> <p>Author(s): Wanyi Zhou, Yujin Lu, Rui Wang, Qi Wang, Jeffrey Zheng</p> <p>Presenter: Qi Wang</p> <p>Affiliation: Yunnan University</p>
10:30-10:45	2156	<p>Title: Efficient IoT Malware Detection Using Convolution Neural Network and View-invariant Block</p> <p>Author(s): Aneela Nasim, Hongyu Zhao, Muhammad Hafeez Javed, Aamir Mehmood</p> <p>Presenter: Hongyu Zhao</p> <p>Affiliation: Southwest Jiaotong University</p>
10:45-11:00	5121	<p>Title: Improved Training of GMM-based TSK Fuzzy System from Stability Perspective</p> <p>Author(s): Erhao Zhou, Guanjin Wang, Shitong Wang</p> <p>Presenter: Erhao Zhou</p> <p>Affiliation: Jiangnan University</p>
11:00-11:15	8140	<p>Title: A Graph Convolution Network and Fuzzy C-Means Based Human Skeleton Complement Method for Action Recognition Dataset Improvement</p> <p>Author(s): Shixuan Qian, Huanan Pu, Fusheng Yu</p> <p>Presenter: Shixuan Qian</p> <p>Affiliation: Beijing Normal University</p>
11:15-11:30	3562	<p>Title: Application of Artificial Intelligence to Reduce Production Shortcomings, Reworks and Returns, Logistics Errors</p> <p>Author(s): Mulisa Tshihwela, Ndala Yves Mulongo</p> <p>Presenter: Ndala Yves Mulongo</p> <p>Affiliation: University of Johannesburg</p>
11:30-11:45	5221	<p>Title: Gaussian Function Representation of 2nd-order Normal Cloud Model</p> <p>Author(s): Min Li, Guoyin Wang, Zeng Yu, Hongjun Wang, Jihong Wan, Tianrui Li</p> <p>Presenter: Min Li</p> <p>Affiliation: Southwest Jiaotong University</p>
11:45-12:00	4561	<p>Title: MAP-GAN: Generative Adversarial Network for Privacy Preserving of Multiple Facial Attributes</p> <p>Author(s): Meng Yue, Biao Jin, Zhiqiang Yao</p> <p>Presenter: Meng Yue</p> <p>Affiliation: Fujian Normal University</p>
12:00-13:00	Lunch (Min Hou Ting 2nd Floor)	

Session 8: Logic, Computation and Artificial Intelligence & Deep Learning for Time Series Forecasting

TIME	08:30-10:00	VENUE	Duo Mei Ti Ting A
CHAIR	Liang Wang, Fuzhou University, China		

Time	Paper ID	Details
08:30-08:45	6172	<p>Title: Active Deduction Heuristic Algorithm of Standard Contradiction Separation Rule Based on Reinforcement Learning</p> <p>Author(s): Jian Zhong, Peiyao Liu, Shuwei Chen</p> <p>Presenter: Shuwei Chen</p> <p>Affiliation: Southwest Jiaotong University</p>
08:45-09:00	2853	<p>Title: Attribute Reduction in Double Hierarchy Fuzzy Linguistic Formal Context</p> <p>Author(s): Qing Guo, Jiang Wu, Meiqiao Sun, Deshan Liu, Xin Liu, Li Zou</p> <p>Presenter: Li Zou</p> <p>Affiliation: Shandong Jianzhu University</p>
09:00-09:15	5659	<p>Title: FBI-TAL: Foreground-Background Integration for Single-Frame Supervised Temporal Action Localization</p> <p>Author(s): Yifeng Dong, Guangsheng Li, Feilong Wang, Wujun Wen, Xuehai Xu, Lin Feng</p> <p>Presenter: Yifeng Dong</p> <p>Affiliation: Dalian University of Technology</p>
09:15-09:30	9705	<p>Title: Multi-Scale Spatio-Temporal Aggregation Network for Human Motion Prediction</p> <p>Author(s): Haoyu Su, Shenglan Liu, Zewen Gao, Yifeng Dong, Junshi Yang, Suhao Ding</p> <p>Presenter: Haoyu Su</p> <p>Affiliation: Dalian University of Technology</p>
09:30-09:45	2523	<p>Title: Urban Traffic Flow Prediction Based on Regional Spatial-Temporal Correlation with Dual Attention</p> <p>Author(s): Taha M. Rajeh, Weichao Liang, Muhammad Hafeez Javed, Fares Alhaek, Tianrui Li</p> <p>Presenter: Taha M. Rajeh</p> <p>Affiliation: Southwest Jiaotong University</p>
09:45-10:00	1409	<p>Title: Research on Multi-Target Vehicle Detection and Tracking Based on Yolo</p> <p>Author(s): Tchanchou Ngatouo Costel, Jiang San Xin</p> <p>Presenter: Tchanchou Ngatouo Costel, Jiang San Xin</p> <p>Affiliation: Shanghai University of Electric Power</p>
10:00-10:15	Coffee Break	

Session 11: Intelligent Manufacturing Enabled Sustainable Development

TIME	10:15-12:00	VENUE	Duo Mei Ti Ting A
CHAIR	Liang Wang, Fuzhou University, China		

Time	Paper ID	Details
10:15-10:30	5956	<p>Title: Neural Network-based Classification and Discrimination Modeling of Young Women's Buttocks</p> <p>Author(s): Sha Sha, Mengjie Liu, Cheng Chi, Xuewei Jiang</p> <p>Presenter: Sha Sha</p> <p>Affiliation: Wuhan Textile University</p>
10:30-10:45	3416	<p>Title: Key Technologies and Methods of Intelligent Quality Management in Electronic Product Manufacturing Process</p> <p>Author(s): Enkai Su, Yuhong Song</p> <p>Presenter: Yuhong Song</p> <p>Affiliation: Shunde Polytechnic</p>
10:45-11:00	6620	<p>Title: Research on Digital Identification of Garment Pieces Based on Contour Fitting Algorithm</p> <p>Author(s): Jiahe Xue, Cheng Chi, Zheng Wang, Shichen Yang, Xuewei Jiang</p> <p>Presenter: Jiahe Xue</p> <p>Affiliation: Wuhan Textile University</p>
11:00-11:15	8832	<p>Title: Exploration of the Influence Mechanism of Young Consumer's Purchase Intention of Upcycling Clothing Using Data-mining Technique</p> <p>Author(s): Zhujun Wang, Yingmei Xing, Yongping Guo</p> <p>Presenter: Zhujun Wang</p> <p>Affiliation: Anhui Polytechnic University</p>
11:15-11:30	7409	<p>Title: Development of a Traceability Tag Based Data Warehouse for Textile Supply Chain</p> <p>Author(s): Kaichen Wang, Shan Xiong, Zhiwei Huang, Qing Li, Zhebin Xue, Xianyi Zeng</p> <p>Presenter: Shan Xiong</p> <p>Affiliation: Soochow University</p>
11:30-11:45	8242	<p>Title: Reinforcement Learning Method for Multi-objective Optimization of Papermaking Wastewater Treatment Process</p> <p>Author(s): Zaohao Lu, Mengna Hong, Yi Man, Xianyi Zeng, Zhenglei He</p> <p>Presenter: Zaohao Lu</p> <p>Affiliation: South China University of Technology</p>
11:45-12:00	3293	<p>Title: ST-MoE: Spatio-temporal Mixture of Experts for Multivariate Time Series Forecasting</p> <p>Author(s): Hanwen Liu, Yibing Zhang, Ximeng Wang, Bin Wang, Yanwei Yu</p> <p>Presenter: Bin Wang</p> <p>Affiliation: Ocean University of China</p>
12:00-13:00	Lunch (Min Hou Ting 2nd Floor)	

Session 9: Practical Applications of AI and Knowledge Engineering-C

TIME 08:30-10:00 **VENUE** Duo Mei Ti Ting B

CHAIR Shuwei Chen, Southwest Jiaotong University, China

Time	Paper ID	Details
08:30-08:45	1831	<p>Title: A Study of Several Supervised Learning Methods for the Prediction of Pit Settlements</p> <p>Author(s): Lihao Shi, Haiyan Xie, Zihao Qi</p> <p>Presenter: Lihao Shi</p> <p>Affiliation: Dalian Maritime University</p>
08:45-09:00	4601	<p>Title: SA-STT: A Structure-Aware Spatio-Temporal Transformer for Traffic Prediction</p> <p>Author(s): Weijie Chen, Haifeng Luo, Feng Ye, Tianqiang Huang, Liqing Huang, Chao Xu</p> <p>Presenter: Weijie Chen</p> <p>Affiliation: Fujian Normal University</p>
09:00-09:15	2059	<p>Title: Discrimination of Normal Side Gait Changes in Gait Asymmetry Using a Multi-Kernel Convolution Model</p> <p>Author(s): Zhirui Chen, Jianning Wu</p> <p>Presenter: Zhirui Chen</p> <p>Affiliation: Fujian Normal University</p>
09:15-09:30	6921	<p>Title: A Revised Model for Sea-Surface Wind Inversion Data with Joint Interpolation Optimization and Residual Network</p> <p>Author(s): Weihong Lin, Lijun You, Tianqiang Huang, Liqing Huang, Haifeng Luo, Chao Xu</p> <p>Presenter: Weihong Lin</p> <p>Affiliation: Fujian Normal University</p>
09:30-09:45	6065	<p>Title: Exploring the Effects of Various Generative Adversarial Networks Techniques on Image Generation</p> <p>Author(s): Zian Shi, Junyi Teng, Shihao Zheng, Kaifeng Guo</p> <p>Presenter: Rongjian Gao</p> <p>Affiliation: Fuzhou University</p>
09:45-10:00	5678	<p>Title: Fault Diagnosis of Pumping Units Based on Extended-fusion Machine Learning</p> <p>Author(s): Lixian Xu, Rui Su, Ali Aftab, Jun Liu, Xinfeng Liu, Dehu Yu</p> <p>Presenter: Lixian Xu</p> <p>Affiliation: Ulster University</p>
10:00-10:15		Coffee Break

Session 12: Decision Models under Uncertainty Applied for Sustainable Development

TIME	10:15-12:00	VENUE	Duo Mei Ti Ting B
CHAIR	Shuwei Chen, Southwest Jiaotong University, China		

Time	Paper ID	Details
10:15-10:30	1847	<p>Title: A Fuzzy Semantic Representation Model of EHFLTS: Application to Tire Supplier Selection Problem</p> <p>Author(s): Yaya Liu, Xiaowen Zhang, Rosa M. Rodríguez, Luis Martínez</p> <p>Presenter: Yaya Liu</p> <p>Affiliation: University of Shanghai for Science and Technology</p>
10:30-10:45	5153	<p>Title: A Framework for the Selection of Indicators Through Fuzzy Thresholds: A Circular Economy Application</p> <p>Author(s): Diego García-Zamora, Álvaro Labella Romero, Rosa M. Rodríguez, Luis Martínez</p> <p>Presenter: Luis Martínez</p> <p>Affiliation: University of Jaén</p>
10:45-11:00	634	<p>Title: The TOPSIS Method for Multi-attribute Group Decision Making with Picture 2-tuple Linguistic Sets</p> <p>Author(s): Wei Gao, Yandi Zhang, Junjun Feng, Jin Guo, Qing Guo, Li Zou</p> <p>Presenter: Li Zou</p> <p>Affiliation: Shandong Jianzhu University</p>
11:00-11:15	6881	<p>Title: A Dynamic Multi-criteria Sorting Method for Modern Renewable Energy Consumption</p> <p>Author(s): Liang Wang, Jia Yan Lai, Zi-Xin Zhang</p> <p>Presenter: Liang Wang</p> <p>Affiliation: Fuzhou University</p>
11:15-11:30	7833	<p>Title: An Automatic Linguistic Consensus Model for Sustainability</p> <p>Author(s): Álvaro Labella, Diego García-Zamora, Rosa M. Rodríguez, Luis Martínez</p> <p>Presenter: Luis Martínez</p> <p>Affiliation: University of Jaén</p>
11:30-11:45	8418	<p>Title: A New Formulation and Solution for Allocating Emergency Supplies to Balance the Demands in Public Safety Events</p> <p>Author(s): Xueqin Lu, Yan Tang, Yangguang Liu, Xiao-zhi Gao</p> <p>Presenter: Xueqin Lu</p> <p>Affiliation: Ningbo University of Finance & Economics</p>
11:45-12:00	2791	<p>Title: Trichotomous Votes Election with Graph Constraint</p> <p>Author(s): Fengbo Wang, Aizhong Zhou, Jianliang Xu</p> <p>Presenter: Fengbo Wang</p> <p>Affiliation: Ocean University of China</p>
12:00-13:00	Lunch (Min Hou Ting 2nd Floor)	

Session 13: Explainable Deep Learning Techniques and Applications

TIME 13:00-15:00

VENUE Duo Gong Neng Ting

CHAIR Wei Huang, Fuzhou University, China

Time	Paper ID	Details
13:00-13:15	3519	Title: Predicting Remaining Useful Life of Lithium-ion Battery Using Extended Belief Rule Base Model Author(s): Long-Hao Yang, Bei-Ya Qian, Chen-Xi Huang, Fei-Fei Ye, Haibo Hu, Hai-Dong Wu Presenter: Chen-Xi Huang Affiliation: Fuzhou University
13:15-13:30	4508	Title: A Named Entity Recognition Method for Substation Location Selection Author(s): Aigang Cao, Yongjie Ye, Zhenchang Wang, Tiefeng Zhang Presenter: Tiefeng Zhang Affiliation: North China Electric Power University
13:30-13:45	6087	Title: Lightweight Glass Insulator Self-Explosion Defect Detection Method Based on YOLOv5 Author(s): Xinlin Liu, Ning Lin, Zhiqiang Wang Presenter: Yunhe Wang Affiliation: Shenzhen Power Supply Bureau Co., Ltd
13:45-14:00	5506	Title: DeepMesh: A Comprehensive Survey of Deep Learning-Based Routing Performance in Wireless Mesh Networks Author(s): Xiaoping Qiu, Zahidul Alam, Zhongjian Yue, Yulan Wang Presenter: Md Zahidul Alam Affiliation: Southwest Jiaotong University
14:00-14:15	7033	Title: Substation Location Planning Based on Multi-strategy Improved Marine Predators Algorithm Author(s): Yongjie Ye, Aigang Cao, Zhenchang Wang, Tiefeng Zhang Presenter: Tiefeng Zhang Affiliation: North China Electric Power University
14:15-14:30	2727	Title: Extracting Scenarios from Autonomous-Vehicle-Involved Crashes Author(s): Sirui Han, Haitian Lu, Hao Wu, Feifei Ye Presenter: Sirui Han Affiliation: The Hong Kong Polytechnic University
14:30-14:45	3508	Title: Object Detection Method for Foreign Substances on High-Voltage Transmission Lines Based on Deep Learning Author(s): Xinlin Liu, Zhuyi Rao, Ning Lin Presenter: Fei Ge Affiliation: Shenzhen Power Supply Bureau Co., Ltd
14:45-15:00	6112	Title: Cumulative Belief Rule-Based Expert System for Multi-Resident Activity Recognition in Smart Home Author(s): Long-Hao Yang, Yi-Xuan Lu, Peng-Peng Huang, Fei-Fei Ye, Hai-Dong Wu, Jun Liu Presenter: Peng-Peng Huang Affiliation: Fuzhou University
15:00-15:30		Closing Ceremony (Duo Gong Neng Ting / F Floor) Chair: Jianting Ning, Fujian Normal University, China

