Conference Program

2026 THE 12TH INTERNATIONAL CONFERENCE ON COMMUNICATION AND INFORMATION PROCESSING

Lingshui, Hainan, China | November 13-16, 2026

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WELCOME MESSAGE

Distinguished Guests, Esteemed Colleagues, Ladies and Gentlemen,

It is my great honor to extend a warm welcome to each of you at the **12th International Conference on Communication and Information Processing (ICCIP 2026)**, held in the picturesque coastal city of Lingshui, Hainan, from November 13 to 16, 2026. Sponsored by the Hainan Lingshui Li'an International Education Innovation Pilot Zone Administration (Hainan Lingshui International Union College), co-sponsored by Beijing University of Posts and Telecommunications, and supported by Queen Mary University of London and the National Key Laboratory of Advanced Communication Networks, this conference serves as a premier forum for global researchers, scholars, and industry professionals to converge and explore cutting-edge advances in communication and information processing.

Focused on our core theme, ICCIP 2026 encompasses 13 specialized tracks—from AIoT and 5G/6G sustainability to intelligent biomedical information processing and smart agriculture—reflecting the breadth and depth of our field. The accepted papers, rigorously peer-reviewed, will be published in the **IEEE Xplore Digital Library** and indexed by Ei Compendex and Scopus, ensuring your valuable research gains global visibility.

We are privileged to gather here, not only to exchange insights, present innovations, and foster collaborations but also to draw inspiration from Lingshui's vibrant coastal environment. Let us seize this opportunity to engage in fruitful discussions, forge lasting partnerships, and drive the future of communication and information processing technologies.

Once again, welcome to ICCIP 2026! May this conference be a resounding success, and may your time in Lingshui be both productive and memorable. Thank you!

ICCIP 2026

Conference Committee

ORGANIZING COMMITTEE

- Conference Chairs -

Li Guo, Beijing University of Posts and Telecommunications, China

Jesus Requena Carrion, Queen Mary University of London, UK

- Conference Co-chair -

Haijun Zhang, University of Science and Technology Beijing, China

- Program Chairs -

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Pascal Lorenz, University of Haute Alsace, France

Xinchao Zhao, Queen Mary School Hainan, BUPT, China

- Local Organizing Chairs -

Hai Huang, Queen Mary School Hainan, BUPT, China

Dimitris Chiotis, Queen Mary University of London, UK

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Luyining Gan, Beijing University of Posts and Telecommunications, China

- Track Chairs -

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Danpu Liu, Beijing University of Posts and Telecommunications, China

Ling Zhao, Beihang University, China

Tiankui Zhang, Beijing University of Posts and Telecommunications, China

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Lantian Li, Beijing University of Posts and Telecommunications, China
Weilong Ding, Zhejiang University of Technology, China
Jiguang Zhang, Institute of Automation, Chinese Academy of Sciences, China
Wenchao Gao, China University of Mining and Technology, China
Fangrong Zong, Beijing University of Posts and Telecommunications, China

CONFERENCE VENUE

Block B, First Floor, Multi-function Hall, Queen Mary School Hainan, BUPT

北京邮电大学玛丽女王海南学院

专享楼 B 座一层多功能厅

Boxue Avenue, Lingshui Li Autonomous County,
Hainan Province, China 572423
海南省陵水黎族自治县博学大道



TRAFFIC INFORMATION

➤ **From Sanya Phoenix International Airport**

Self-driving/Taxi: Distance ~80 km, travel time 1.5 hours via G98 Hainan Island Ring Expressway.

HSR + Taxi: Take a taxi from the airport to Sanya Railway Station (11 km, 15 mins), then HSR to Lingshui Station (21 mins), followed by a taxi to the Queen Mary School Hainan, BUPT (16 km, 25 mins). Total time: ~50 mins.

➤ **From Lingshui Railway Station**

Taxi/Rideshare: 20 km, 30 mins.

Public Bus: Route 91, 46 mins (walk 1.7 km after alighting at Pilot Zone).



GUIDELINES

- **Onsite Oral Presentation**

1. The duration of a presentation slot is 15 minutes. Please target your lecture for a duration of about 10 minutes for the presentation plus about 5 minutes for questions from the audience.
2. Your punctual arrival and active involvement in each session will be highly appreciated.
   - Get your presentation PPT or PDF files prepared and backed up.
3. Laptops, projector & screen, laser sticks will be provided by the conference organizer.

- **Onsite Poster Presentation**

1. The Size for poster is A1, please print it out and bring it to the venue.
2. It's expected that at least one author stands by the poster for (most of the time of) the duration of the poster session. This is essential both to present your work to anyone interest in it and to make sure that your presence is verified by committee.

- **Online Presentation**

1. Meeting Rooms

ZOOM Meeting:

Room A: https://us02web.zoom.us/j/86403455079

Room B: https://us02web.zoom.us/j/86913697975

Room C: https://us02web.zoom.us/j/83948631009

Password**: ICCIP2026**

Time Zone: China Standard Time (CST), UTC/GMT+8

2. Test Your Presentation

Room A: https://us02web.zoom.us/j/86403455079

Date: **Nov. 13, 2026**

Prior to the formal meeting, online presenters shall join the test room to ensure everything is on the right track. Please check your test Zoom Meeting ID on this program.

3. Oral Presentation

Please join the meeting room 10 minutes in advance.

Stay online during Keynote & Invited speeches and your own sessions. English Only during the conference. Rename your screen name before entering the room.

4. Follow us on We-chat, send ICCIP 2026

5. Photo Stream

AGENDA OVERVIEW

Nov. 13, 2026 | Friday

Time	Activity	Venue
	For Onsite Participants	
10:00-17:00	Onsite Sign-in & Conference Materials-Collection Venue: Lobby, WoQu Serviced Apartment, Lingshui （ 地点：陵水·窝趣服务式公寓， 大堂 ）	
	For Online Participants	
	Room A: https://us02web.zoom.us/j/86403455079 Zoom ID: 864 0345 5079 Password: ICCIP2026	
10:00-12:00	Online-Sign-in & Equipment Testing for Session Chairs, Committees	
14:00-16:00	Online-Sign-in & Equipment Testing for Online Session 1 & 2 & 3 & 4	
16:00-18:00	Online-Sign-in & Equipment Testing for Online Session 5 & 6 & 7	

Nov. 14, 2026 | Saturday

The Building of Queen Mary School Hainan, BUPT
北京邮电大学玛丽女王海南学院专享楼

Time	Activity	Venue
08:30-17:00	**Onsite Sign-in & Conference Materials Collection**	**Lobby, Block A** **A 座大堂**
	Opening Ceremony & Keynote Speeches	**Multi-function Hall, 1st Floor, Block B** B 座一层多功能厅
	Opening Ceremony	
	Host: Prof. Jesus Requena Carrion, Queen Mary University of London, UK	
08:45-08:55	**Welcome Message** ***Prof. Li Guo, Beijing University of Posts and Telecommunications, China***	
08:55-09:00	**Group Photo**	
	Keynote Speeches	
09:00-09:40	**Prof. Yejun He** **Shenzhen University, China** ***Speech Title: Enhancing Over-the-Air Computation in Low-Altitude UAV Networks Based on Pinching-Antenna Systems***	
09:40-10:10	**Coffee Break**	
10:10-10:50	**Prof. Feifei Gao** **Tsinghua University, China** ***Speech Title: Key Technologies and Prototype Design for Integrated Sensing and Communications System***	
10:50-11:30	**Prof. Gang Feng** **University of Electronic Science and Technology of China, China** ***Speech Title: Multi-agent Collaborative Inference and Decision Mechanisms for 6G Networks***	
11:30-13:30	*Lunch: Dining Hall NO. 3（学生生活三区 3 号食堂）*	
	AFTERNOON ONSITE PRESENTATIONS	

Block A *A 座*		
13:30-15:35	**Onsite Session 1: Multimodal Intelligent Technology and Digital Service Application Based on Large Language Models** ***Session Chair: Luyining Gan, Beijing University of Posts and Telecommunications, China*** **Invited Speaker: Kazuya Ueki, Meisei University, Japan** **CP476; CP496; CP5167; CP5142; CP5132; CP5152; CP5151**	**102** **Block A** A 座 102
13:30-15:00	**Onsite Session 2: Biological Perception and Complex Data Analysis in Intelligent Healthcare** ***Session Chair: Jinnan Zhang, Beijing University of Posts and Telecommunications, China*** **CP308; CP358; CP481; CP5114; CP5153; CP5156**	**103** **Block A** A 座 103
13:30-15:20	**Onsite Session 3: Wireless Communication Systems and Cybersecurity Architectures Driven by Edge Intelligence** ***Session Chair: Hai Huang, Beijing University of Posts and Telecommunications, China*** **Invited Speaker: Hongmei Zhang, Guilin University of Electronic Technology, China** **CP306; CP368; CP478; CP5149; CP5125; CP5126**	**104** **Block A** A 座 104
13:30-15:00	**Onsite Poster Session 1: Data-Model-Driven Intelligent Sensing and Digital Multimedia Applications** ***Session Chair: Wenchao Gao, China University of Mining and Technology Beijing, China*** **CP311; CP333; CP329; CP486; CP485; CP479; CP5166; CP5163; CP5122; CP5157; CP5173**	**101** **Block A** A 座 101
15:35-16:05	**Coffee Break**	
16:05-17:50	**Onsite Session 4: Collaborative Sensing, Secure Routing, and Service Optimization Technologies for Future Intelligent Communication Networks (Track 3)** ***Session Chair: Yu Xu, Nanchang University, China*** **CP309; CP5107; CP310; CP492; CP5123; CP339; CP5179**	**102** **Block A** A 座 102
16:05-18:20	**Onsite Session 5: Satellite Edge Computing, Distributed**	**103** **Block A**

	Resource Scheduling, and SAGIN Intelligent Sensing (Track 2) ***Session Chair: Tiankui Zhang, Beijing University of Posts and Telecommunications, China*** **CP342; CP349; CP5131; CP484; CP5171; CP204; CP203; CP205; CP5175**	A 座 103
16:05-17:35	**Onsite Poster Session 2: Advanced Satellite Communications, Radar Sensing, and Wireless Intelligent Network Joint Optimization Technologies** ***Session Chair: Hongmei Zhang, Guilin University of Electronic Technology, China*** **CP301; CP332; CP307; CP347; CP488; CP201; CP497; CP5159; CP5158; CP5136; CP5134**	**101 Block A** A 座 101
18:30-20:30	***Dinner: Dining Hall No.8（8 号食堂，原 1 号食堂）***	

Nov. 15, 2026 | Sunday

Room A: 86403455079
https://us02web.zoom.us/j/86403455079
Room B: 86913697975
https://us02web.zoom.us/j/86913697975
Room C: 83948631009
https://us02web.zoom.us/j/83948631009

Password: ICCIP2026

Time	Activity	Venue
10:00-12:20	**Online Session 1: Large Language Model-Driven Intelligent Information Processing Technologies** ***Session Chair: Diksha Dani, NMIMS, Mukesh Patel School of Technology Management & Engineering, Mumbai*** **Invited Speaker: Mohammed Erritali, XLIM Laboratory, University of Poitiers, France** **CP487; CP361; CP359; CP4100; CP340; CP319; CP206; CP489**	**Room A**
10:00-12:00	**Online Session 2: Machine Vision-Driven Industrial Process Intelligent Monitoring and Optimization Methods** ***Session Chair: Lingjuan Ye, Beijing University of Posts and Telecommunications, China*** **CP302; CP337; CP499; CP357; CP331; CP330; CP362; CP364**	**Room B**
10:00-12:15	**Online Session 3: Key Technologies for Visual Detection and Object Recognition in Complex Scenes** ***Session Chair: Mark Van Buladaco, Davao del Norte State College, Philippines*** **CP316; CP312; CP321; CP336; CP335; CP325; CP4104; CP5145; CP5177**	**Room C**
12:15-13:30	**Break Time**	
13:30-15:30	**Online Session 4: Three-Dimensional Reconstruction and Image Generation Synergized by Neural Rendering and Generative Models** ***Session Chair: Ruifan Li, Beijing University of Posts and Telecommunications, China*** **CP313; CP344; CP343; CP353; CP354; CP493; CP498; CP5165**	**Room A**

13:30-15:45	**Online Session 5: Key Technologies for Space-Ground Integrated Satellite Networks and Cooperative Communications** ***Session Chair: Zhang Lijun, Science and Technology on Communication Security Laboratory, China & Yang Liu, Inner Mongolia University, China*** **CP5130; CP5144; CP5135; CP360; CP472; CP4102; CP5154; CP5174; CP5143**	**Room B**
13:30-15:45	**Online Session 6: Intelligent Prediction Models and Application Technologies Driven by Multi-Modal Information Fusion** ***Session Chair: Valentina Vasile, Romanian Academy, Romania*** **CP495; CP328; CP315; CP338; CP346; CP350; CP469; CP5164; CP345**	**Room C**
15:30-15:50	**Break Time**	
15:50-18:20	**Online Session 7: Physical Layer Technologies and Intelligent Signal Processing for 6G Wireless Communications** ***Session Chair: Xinyu Gu, Beijing University of Posts and Telecommunications, Purple Mountain Laboratories, China & Smain Femmam, Strasbourg University of Haute Alsace, France*** **CP304; CP317; CP474; CP5129; CP5119; CP5172; CP341; CP303; CP326; CP5162-A**	**Room A**

KEYNOTE SPEAKER



Prof. Yejun He

Shenzhen University, China

Multi-function Hall, 1st Floor, Block B | B 座一层多功能厅

9:00-9:40, Nov. 14th, 2026

Biography: Yejun He received the Ph.D. degree in information and communication engineering from the Huazhong University of Science and Technology (HUST), Wuhan, China, in 2005. In 2006, he joined Shenzhen University, where he is currently a Distinguished Professor and the Director of Sino-British Antennas and Propagation Joint Laboratory of MOST, the Director of Guangdong Engineering Research Center of Base Station Antennas and Propagation, and the Director of the Shenzhen Key Laboratory of Antennas and Propagation. He was selected as an Expert with Special Government Allowance from the State Council in China in 2024. He has authored or coauthored more than 380 research articles, eight books, and holds about 40 patents, with an h-index of 52 and over 10,000 citations. His research interests include wireless communications, antennas, and radio frequency. Dr. He is a Fellow of IET and a Fellow of the China Institute of Communications.

Speech Title: Enhancing Over-the-Air Computation in Low-Altitude UAV Networks Based on Pinching-Antenna Systems

Abstract: In low-altitude networks, unmanned aerial vehicle (UAV) swarms are expected to serve as distributed sensing platforms that continuously collect environmental and operational data, where efficient aggregation of distributed data is critical for latency-critical aerial applications. Over-the-air computation (AirComp) improves spectral efficiency through analog signal superposition, but its performance is often limited by heterogeneous air-to-ground channels and strict UAV peakpower constraints, resulting in computation distortion dominated by the weakest link. This talk introduces a pinching-antenna system (PASS) enhancing AirComp in low-altitude UAV network, where the base station (BS) employs dielectric waveguides and can adjust the radiation (pinching) positions to flexibly shape the effective transmission channels. Such a BS-side antenn reconfiguration provides an additional degree of freedom, thereby enhancing the received signal strength and facilitating magnitude alignment. We aim to minimize the computation mean squared error (MSE) by jointly optimizing the BS receive decoding vector, the UAV transmit power, the PASS pinching positions, and the UAV locations. To solve the resulting non-convex problem, we develop an alternating-optimization framework that admits closedform update for the design of decoding vectors and transmit power, alternating linear search for the pinching positions, and a successive convex approximation algorithm with a trust region for UAV location optimization. Related key technologies and challeges are also presented.

KEYNOTE SPEAKER



Prof. Feifei Gao

Tsinghua University, China

Multi-function Hall, 1st Floor, Block B | B 座一层多功能厅

10:10-10:50, Nov. 14th, 2026

Biography: Feifei Gao (Fellow, IEEE) received the B.Eng. degree from Xi'an Jiaotong University, Xi'an, China in 2002, the M.Sc. degree from McMaster University, Hamilton, ON, Canada in 2004, and the Ph.D. degree from National University of Singapore, Singapore in 2007. Since 2011, he joined the Department of Automation, Tsinghua University, Beijing, China, where he is currently a tenured full professor.

Prof. Gao's research interests include signal processing for communications, array signal processing, convex optimizations, and artificial intelligence assisted communications. He has authored/coauthored more than 200 refereed IEEE journal papers and more than 150 IEEE conference proceeding papers that are cited more than 28000 times in Google Scholar. Prof. Gao has served as an Editor of IEEE Transactions on Wireless Communications, IEEE Journal of Selected Topics in Signal Processing (Lead Guest Editor), IEEE Transactions on Cognitive Communications and Networking, IEEE Signal Processing Letters (Senior Editor), IEEE Communications Letters (Senior Editor), IEEE Wireless Communications Letters, and China Communications. He has also served as the symposium co-chair for 2019 IEEE Conference on Communications (ICC), 2018 IEEE Vehicular Technology Conference Spring (VTC), 2015 IEEE Conference on Communications (ICC), 2014 IEEE Global Communications Conference (GLOBECOM), 2014 IEEE Vehicular Technology Conference Fall (VTC), as well as Technical Committee Members for more than 50 IEEE conferences.

Speech Title: Key Technologies and Prototype Design for Integrated Sensing and Communications System

Abstract: In the future, millions of base stations (BSs) and billions of users (UEs) will natively build an integrated sensing and communications (ISAC) system, which can utilize intelligent ubiquitous methods to realize the ultimate goal of sensing, i.e., constructing the global mapping from real physical world to digital twin world, while providing communications services at the same time. For this purpose, we conduct a series of theoretical and technical researches on ISAC, in which we decompose the real physical world into static environment, dynamic targets, and various object materials. The ubiquitous static environment occupies the vast majority of the physical world, for which we design static environment reconstruction (SER) scheme to obtain the layout and point cloud information of static buildings. The dynamic targets floating in static environments create the spatiotemporal transition of the physical world, for which we design comprehensive dynamic target

sensing (DTS) scheme to detect, estimate, track, image and recognize the dynamic targets in real-time. The object materials enrich the electromagnetic laws of the physical world, for which we develop object material recognition (OMR) scheme to estimate the electromagnetic coefficient of the objects. Finally, based on these theoretical researches, we build an ISAC hardware prototype platform working in millimeter wave frequency band, realizing high-precision SER, DTS, and basic OMR, which provides preliminary verification for building the digital twin for communications networks.

KEYNOTE SPEAKER



Prof. Gang Feng

University of Electronic Science and Technology of China, China

Multi-function Hall, 1st Floor, Block B | B 座一层多功能厅

10:50-11:30, Nov. 14th, 2026

Biography: Gang Feng received his BEng and MEng degrees in Electronic Engineering from the University of Electronic Science and Technology of China (UESTC), in 1986 and 1989, respectively, and Ph.D. degree in Information Engineering from The Chinese University of Hong Kong in 1998. He joined the School of Electric and Electronic Engineering, Nanyang Technological University as an assistant professor and an associate professor in 2000 and 2005 respectively. At present he is a professor with the National Key Laboratory of Wireless Communications, UESTC of China. Dr. Feng has extensive research experience and has published widely in wireless networking research. He is the recipient of IEEE Communications Society Technical Committee on Transmission Access and Optical Systems (TAOS) Best Paper Award (2019), ICC 2019 best paper award, Best Paper Award of IEEE Internet of Things Journal 2022, and Best Paper Award of IEEE Transactions on Services Computing. He served as a Distinguished Lecturer in VTS IEEE 2023. His research interests include AI Enabled wireless networking, distributed and collaborative machine learning, next generation cellular networks, etc. He is a fellow of IEEE.

Speech Title: Multi-agent Collaborative Inference and Decision Mechanisms for 6G Networks

Abstract: To address the core challenges in multi-agent collaborative decision-making, including policy adaptation difficulties and declining inference efficiency under dynamic environments and growing agent populations, this presentation introduces an efficient collaborative decision-making mechanism that integrates three key modules: fine-tuning and continuous optimization, LLM-guided reinforcement learning (RL) decision-making, and joint inference for agent deployment. Specifically, we first employ compression technologies such as LoRA and pruning to perform lightweight fine-tuning, enabling rapid customization of task-specific policies while preserving the generalization capability of pre-trained knowledge. Then, we introduce a large language model (LLM) as a high-level semantic guide that transforms environmental observations and sub-goals into natural-language-shaped reward potential functions. This guides the underlying RL policy toward directed exploration in sparse-reward scenarios. Finally, we design a multi-scale joint inference framework that integrates local policies with global information at the decision level via shared attention mechanisms and hierarchical message passing among agents, effectively alleviating communication and computational bottlenecks.

INVITED SPEAKER



Hongmei Zhang

Guilin University of Electronic Technology, China

13:30-13:50, November 14, 2026

Onsite Session 3

104, Block A

A 座 104

Biography: Dr. Zhang Hongmei is currently a professor in Guilin University of Electronic Technology. She received her Ph.D. in Pattern Recognition and Intelligent Systems from East China University of Science and Technology in 2008. She broadened her academic perspective through visiting scholar positions at National Cheng Kung University in Taiwan in 2010, and subsequently at Heriot-Watt University in the UK from 2014 to 2015. Her research areas include information system security, machine learning and embedded system. She has successfully led many projects, including a Regional Program of NSFC, Guangxi Key Natural Science Foundation projects, and initiatives from various provincial key laboratories and engineering research centers. She has published over 70 academic papers in prestigious journals, with more than 30 of these being indexed by SCI and EI. Beyond her research and publications, she has made substantial contributions to the academic community; for instance, she acted as the organizer of the Chinacom 2013 International Conference. Furthermore, she held the position of associate editor for Wireless Communication and Mobile Computing, and currently serves as associate editor for IEEE Access. In addition, she has acted as Co-Chair for the IEEE INFOCOM 2011 Workshop on Cognitive & Cooperative Networks, a Session Chair or Invited Speaker for the IEEE International Conference on Communication Technology (ICCT) from 2020 to 2025, and a Session Chair for the 10th International Conference on Internet Computing for Science and Engineering (ICICSE 2021).

Speech Title: Graph Similarity Calculation Based on Node Matching Cost Embedding

Abstract: Existing graph similarity calculation models with recoverable edit paths still suffer from insufficient node feature extraction, limited matching information mining, and weak correlation between the matching matrix and the cost matrix. To address these issues, we propose NMCE, a graph similarity computation model based on node matching cost embedding. NMCE first adopts cross-graph hybrid node encoding to integrate node features at different ranges and capture both intra-graph and inter-graph dependencies. It then applies cross-convolution to the matching cost matrix to fuse row-wise and column-wise information and extract latent matching-cost patterns. In addition, a node feature interaction module jointly generates the matching matrix and the cost matrix, imposing an explicit negative correlation constraint between them. Experimental results show that NMCE outperforms most mainstream baselines in graph edit distance (GED) prediction and edit path recovery, demonstrating the effectiveness of the proposed design.



Kazuya Ueki

Meisei University, Japan

13:30-13:50, November 14, 2026

Onsite Session 1

102, Block A

A 座 102

Biography: He received his B.S. degree in Information Engineering in 1997 and his M.S. degree in Computer and Mathematical Sciences in 1999, both from Tohoku University, Sendai, Japan. In 1999, he joined NEC Soft, Ltd., Tokyo, Japan, where he was mainly engaged in research on face recognition. He received his Ph.D. degree from the Graduate School of Science and Engineering, Waseda University, Tokyo, Japan, in 2007. From 2013 to 2017, he served as an Assistant Professor at Waseda University. He is currently an Associate Professor in the School of Information Science, Meisei University. His research interests include information retrieval, video anomaly detection, pattern recognition, and machine learning. He is involved in the video retrieval evaluation benchmark (TRECVID) sponsored by the National Institute of Standards and Technology (NIST), contributing to the development of video retrieval technology. His submitted systems achieved the highest performance in the TRECVID AVS task in 2016, 2017, 2022, and 2025.

Speech Title: From Keywords to Context: Five Years Toward Intent-Aware Video Search

Abstract: Video retrieval is often framed as a matching problem, yet real user intent is rarely captured by keywords alone. Over the past five years, our work has explored how to close this gap through three research questions. First, how can we enrich sparse or ambiguous queries to better reflect what users actually mean? Second, how can retrieval models adapt to new domains without manual annotation? Third, how can we verify that retrieved results truly satisfy the query's intent, rather than merely resembling it? We address these questions through query expansion with large language models and image generation, caption-driven domain adaptation, and VLM-based semantic verification via visual question answering. These techniques contributed to our team achieving the top rank in the TRECVID Ad-hoc Video Search (AVS) task in 2022 and 2025. The talk shares what worked, what didn't, and the challenges that remain in building video search systems that understand not just words, but user intent.



Mohammed Erritali

XLIM Laboratory, University of Poitiers, France

10:00-10:20, November 15, 2026

Online Session 1

Zoom Room A: https://us02web.zoom.us/j/86403455079

Biography: Mohammed Erritali is an Associate Professor and researcher in Computer Science and Artificial Intelligence from Morocco and is affiliated with XLIM Laboratory, University of Poitiers, France. His research focuses on Artificial Intelligence, Machine Learning, Deep Learning, Explainable Artificial Intelligence (XAI), Educational Data Mining, and intelligent decision-support systems. His research interests include predictive modeling, learning analytics, student success prediction, early warning systems, educational inequalities, and trustworthy and explainable AI. He has also worked on AI applications in areas including natural language processing, recommender systems, social media analysis, and data-driven decision-making. Dr. Erritali has authored and co-authored research papers in international journals and conferences and has contributed to scientific and editorial activities in the field of Artificial Intelligence. He has served as an editor for Springer-published conference proceedings in the Lecture Notes in Networks and Systems (LNNS) series. His recent research increasingly focuses on combining machine learning with explainability and generative AI to develop transparent, reliable, and practical intelligent systems.

Speech Title: Explainable Artificial Intelligence Applied to Educational Data

Abstract: Early identification of students at risk of academic failure remains a major challenge in educational data mining, particularly when predictive models provide limited insight into the reasons behind their predictions. In this presentation, we introduce PredictEDU, an explainable artificial intelligence framework designed for early student success prediction using only pre-examination educational data.

The proposed pipeline combines pass/fail classification, final-grade regression, multi-method explainability, and Retrieval-Augmented Generation (RAG) to transform predictive results into interpretable and actionable information. The study is based on 153 real student profiles, augmented with 300 TVAE-generated synthetic profiles used exclusively for model training. Five classification models are evaluated using 5-fold out-of-fold cross-validation on real student data, while five regression models are evaluated on a strictly held-out real test set.

To assess the reliability of the explanations, we combine several XAI techniques, including SHAP, Permutation Importance, LIME, and Accumulated Local Effects (ALE). Logistic Regression achieves an AUC of 0.811 (95% CI [0.769, 0.852]), while XGBoost reaches a mean absolute error of 3.02 points for final-grade prediction. SHAP and Permutation Importance show strong agreement (Spearman's $\rho = 0.913$), with Composite Score, Lab4 absence, participation, and academic track identified as the main predictive factors. Finally, a RAG-based module generates pedagogical reports grounded in similar historical cases, achieving a human evaluation score of 4.02/5.

These results demonstrate how artificial intelligence, information processing, and explainability can be

integrated into a unified early-warning pipeline for educational data. Although the study is based on a single-institution cohort of 153 students, the findings illustrate the potential of combining prediction, XAI, and generative AI to produce more transparent and interpretable decision-support information in education. Further validation on additional cohorts is required.

TECHNICAL SESSIONS

Onsite Session 1: Multimodal Intelligent Technology and Digital Service Application Based on Large Language Models

Session Chair: Luyining Gan, Beijing University of Posts and Telecommunications, China

13:30-15:35, Nov. 14th, 2026| 102, Block A

TALK DETAILS	
Time	**Presentation**
Invited Speaker 13:30-13:50	From Keywords to Context: Five Years Toward Intent-Aware Video Search Presenter: Kazuya Ueki, Meisei University, Japan
CP476 13:50-14:05	An Evidence-Traceable Software Architecture for Multimodal Classroom Information Processing Author(s): Meng Yang, Ke He, Yilin Wang, Yanan Li, Xiao Zhang, Presenter: Meng Yang, China University of Mining and Technology-Beijing, China
CP496 14:05-14:20	Similarity-Aware Adaptive Multi-Prototype Matching for Oracle Bone Character Recognition Author(s): Chongyu Pang, Jinnan Zhang, Qinghua Gong, Xiaotian Yang, Haitao Zhang, Yiting Hu, Jintao Liu and Xueguang Yuan Presenter: Chongyu Pang, Beijing University of Posts and Telecommunications, China
CP5167 14:20-14:35	Supervision Refinement for Reaction-Controlled Cat Meme Generation with LoRA Author(s): Chen Peng, Xuan Lyu and Rongfeng Li Presenter: Chen Peng, Hainan Advanced Digital Technology and Systems Laboratory, Beijing University of Posts and Telecommunications, China
CP5142 14:35-14:50	Multi-Model Ranking Fusion and Weighted Coverage for TCM Syndrome Differentiation in Obesity Author(s): Jiangshan Tian, Xu Chen, Lifeng Fa, Zhangfan Chen, Mengmeng Ran, Xiaomin Guan and Lei Zhang Presenter: JIangshan Tian, Shandong University of Traditional Chinese Medicine Jinan, China

CP5132 14:50-15:05	Hybrid-Action Soft Actor-Critic for Joint Task Offloading and Resource Allocation in Dynamic Multi-Layer Satellite Edge Networks Author(s): Yuying Sun, Rongke Liu, Shenzhan Xu and Ling Zhao Presenter: Yuying Sun, Beihang University, China
CP5152 15:05-15:20	Enhancing Urban Flood Neural Operators with Conditional Neighborhood Interactions Author(s): Yongquan Sun, Xu Lu, Yuanxun Shao, Yongjun Yang, Wanli Wen Presenter: Xu Lu, Aerospace Science & Industry Network Information Development Co., Ltd., Beijing, China
CP5151 15:20-15:35	SCFog: Image-Adaptive Fog Augmentation for Object Detection Author(s): Longhui Zhou, Yuanxun Shao, Chong Zhang, Zhongying Niu, Yongquan Sun Presenter: Longhui Zhou, Aerospace Science & Industry Network Information Development Co., Ltd., Beijing, China

TECHNICAL SESSIONS

Onsite Session 2: Biological Perception and Complex Data Analysis in Intelligent Healthcare

Session Chair: Jinnan Zhang, Beijing University of Posts and Telecommunications, China

13:30-15:00, Nov. 14th, 2026| 103, Block A

TALK DETAILS	
Time	**Presentation**
CP308 13:30-13:45	Mining Nonlinear Risk Coupling Relationships in Coal Mine Accidents: A Text Mining and Fuzzy Bayesian Network Approach Author(s): Wenchao Gao, Menglin Li, Jiting Tang, Haitao Zhuang, Presenter: Jiting Tang, China University of Mining and Technology-Beijing, China
CP358 13:45-14:00	AST-Transformer Dual-Branch Deep Learning Framework for Animal Acoustic Recognition and Emotion Analysis Author(s): sichang Li, chuyang Zhao, fengpei Ge, yunao Zhang, shuchang Liu, you Wu, shiyao Wang, Presenter: Chuyang Zhao, Beijing University of Posts and Telecommunications, China
CP481 14:00-14:15	The Construction and Application of the Natural Resource and Geo-Spatial Database System for Hunan Province Author(s): Luanyun Hu, Jia Duan, Jiongjiong Chen, Minsi Ao, Presenter: Luanyun Hu, Third Survey and Mapping Institute of Hunan Province, Changsha, China
CP5114 14:15-14:30	A Fully Automated Framework for Axon and Myelin Segmentation via Semantic-Adaptive YOLO-SAM Author(s): Shuang Jian, Yulian Yang, Yiying Zhang, Pengcheng Xie, Xin Zhang, Jun Chen and ShuangChan Wu Presenter: Shuang Jian, Northwestern Polytechnical University, China
CP5153 14:30-14:45	Looking Closer to Act Better: Active Wrist Observation for Dual-Arm Robot Manipulation Author(s): Hong Hong Wang, Ying Tang, Jiang Pei Yuan, Feng Su, Wei Jia Wen Presenter: Hong Hong Wang, Embodied Intelligence Robotics Institute, Beihang University, Beijing, China

CP5156 14:45-15:00	TRACE: Certifying the Minimum Residual in Single Shell Tensor and Free Water Models Author(s): Xiwen Yu Presenter: Xiwen Yu, University of Electronic Science and Technology of China, China

TECHNICAL SESSIONS

Onsite Session 3: Wireless Communication Systems and Cybersecurity Architectures Driven by Edge Intelligence

Session Chair: Hai Huang, Beijing University of Posts and Telecommunications, China

13:30-15:20, Nov. 14th, 2026 | 104, Block A

TALK DETAILS	
Time	**Presentation**
Invited Speaker 13:30-13:50	Graph Similarity Calculation Based on Node Matching Cost Embedding Author(s): Hongmei Zhang & Shaobo Shi Presenter: Hongmei Zhang, Guilin University of Electronic Technology ,China
CP306 13:50-14:05	Research on Intelligent Energy Saving Scheme for Wireless Networks Author(s): Yao Cen, Yibiao Hu, Xusong Zhao, Yuan Fang, Yang Liu, Zhebin Feng, Presenter: Yao Cen, China Mobile Group Design Institute Co., Ltd., China
CP368 14:05-14:20	Scenario Aware Mixture of Experts MAPPO for Deadline Constrained Multi UAV Mobile Edge Computing Author(s): Peigang Zhao, Jinyang Li, Zejian Lu, Qing Yan, Yang Yang, Presenter: Yang Yang, Beijing University of Posts and Telecommunications, China
CP478 14:20-14:35	A SOME/IP Message-Flow Anomaly Detection Method Based on Protocol-State Constraints and Semantic-Aware Temporal Modeling Author(s): Mingkai Fang, Gan Guo, Wei Li, Wei He, Yan Yan, Presenter: Yan Yan, China University of Mining and Technology-Beijing,China
CP5149 14:35-14:50	Bi-Agent PPO for Joint Mobility and Transmission Control in Secure Maritime AF Relay Networks Author(s): Xianting Wei, Jingyi Peng and Yang Yang Presenter: Xianting Wei, Beijing University of Posts and Telecommunications, China
CP5125 14:50-15:05	Beamforming for LEO Satellite Downlinks: A Bound-Refined Inner–Outer Optimization Approach Author(s): Youwei Li, Rongke Liu and Ling Zhao Presenter: Li Youwei, Shenzhen Institute of Beihang University Shenzhen, China
CP5126	Adaptive Task Splitting and Cooperative Resource Allocation for LEO Satellite Edge

15:05-15:20 Computing
Author(s): Qirui Huang, Rongke Liu, Ling Zhao and Shenzhan Xu
Presenter: Qirui Huang, Beihang University, China

TECHNICAL SESSIONS

Onsite Session 4: Collaborative Sensing, Secure Routing, and Service Optimization Technologies for Future Intelligent Communication Networks (Track 3)

Session Chair: Yu Xu, Nanchang University, China

16:05-17:50, Nov. 14th, 2026 | 102, Block A

TALK DETAILS	
Time	**Presentation**
CP309 16:05-16:20	Scenario-Gated Explainable Service Guide Ranking for International Students in Low-Resource Campus Settings Author(s): Wu Jiayang, Rao Jiarong, You Tingrui, Presenter: Jiayang Wu, Beijing Language and Culture University, China
CP5107 16:20-16:35	STAR-RIS-Assisted Heterogeneous Cooperative Integrated Sensing and Communication Author(s): Xiaohui Li, Yunpei Chen, Yue Shan, Dongyang Wang, Qingjie Peng and Dan Zhang Presenter: Xiaohui Li, Nanjing University of Posts and Telecommunications, China
CP310 16:35-16:50	Label-Free Network Intrusion Ranking via Random-Subspace Isolation Scoring Author(s): Wu Jiayang, Sun Chensiqi and You Tingrui Presenter: Tingrui You, Beijing Language and Culture University, China
CP492 16:50-17:05	Carrier-Frequency-Offset-Assisted Data Association for Identity-Preserving Multi-Target Tracking in Ambient IoT Author(s): Yuhe Zhang and Yong Li Presenter: Yuhe Zhang, Beijing University of Posts and Telecommunications, China
CP5123 17:05-17:20	Unified Scale-Disturbance Modeling for Large Language Model Service Traffic Author(s): Xiaomeng Li, Danpu Liu and Zhilong Zhang Presenter: Xiaomeng Li, Beijing University of Posts and Telecommunications, China
CP339 17:20-17:35	Blockchain Consensus for Secure Semantic Recovery in Knowledge-Shared Communication System Author(s): Jiujiu Chen, Cheng Huang, Zhixiang Fu, Yixian Qian, BangShu Xiong Presenter: Jiujiu Chen, Nanchang Hangkong University, China

CP5179
17:35-17:50

Phase-Consistency-Based Explainable AI Scheme for Doubly Selective Channel Estimation

Author(s): Wenlong Wan, Zhisong Bie, Hongxia Bie
Presenter: Zhisong Bie, Beijing University of Posts and Telecommunications, China

TECHNICAL SESSIONS

Onsite Session 5: Satellite Edge Computing, Distributed Resource Scheduling, and SAGIN Intelligent Sensing (Track 2)

Session Chair: Tiankui Zhang, Beijing University of Posts and Telecommunications, China

16:05-18:20, Nov. 14th, 2026 | 103, Block A

TALK DETAILS	
Time	**Presentation**
CP342 16:05-16:20	Joint Trajectory and Network Access Optimization for SAGIN-Assisted UAV Inspection Author(s): Huanran Su, Heli Zhang, Binbin Ge, Hao Song, Presenter: Huanran Su, Beijing University of Posts and Telecommunications, China
CP349 16:20-16:35	From Terrestrial Reuse to NTN Interference: A Geometric Q-Value Framework for LEO Constellation Assessment Author(s): Fan Yang, Presenter: Fan Yang, Beijing All-Things-Satellite Link Technology Co., Ltd, China
CP5131 16:35-16:50	Freshness- and Energy-Aware Satellite Selection in Hybrid GEO-LEO Networks via MAPPO Author(s): Yiyuan Lyu, Rongke Liu, Ling Zhao and Shenzhan Xu Presenter: Yiyuan Lyu, Beihang University, China
CP484 16:50-17:05	Causal Load-Aware Adaptive PRACH Provisioning for LEO Satellite Networks Author(s): Yiran Xiang, Songting Li, Shihao Peng, Xingyuan Fan, Yilin Wang Presenter: Yiran Xiang, National University of Defense Technology, China
CP5171 17:05-17:20	Multi-objective Handover Optimization in LEO Assisted Internet of Vehicles Based on Graph Deep Reinforcement Learning Author(s): Pengfei Sun, Yuming Wei, Ze Yun and Yang Liu Presenter: Pengfei Sun, Inner Mongolia University, China
CP204 17:20-17:35	Joint Allocation of Caching, Communication, and Computing Resources in Hybrid Semantic–Bit Wireless Networks Author(s): Haoran Huang, Jie Ding, Zhilong Zhang, Danpu Liu Presenter: Haoran Huang, Beijing University of Posts and Telecommunications, China

CP203 17:35-17:50	Joint Emergency Task Scheduling for Integrated Space–Ground TT&C and Mission Operations Systems Author(s): Minghui Yuan, Zhilong Zhang, Guixin Li, Danpu Liu and Yiguang Ren Presenter: Minghui Yuan, Beijing University of Posts and Telecommunications, China
CP205 17:50-18:05	Communication-Efficient Wireless Federated LoRA: Update-Aware Compression and Resource Allocation Author(s): Yongfeng Bin, Mingqi Li, Zhilong Zhang, Ziji Guo, Danpu Liu Presenter: Yongfeng Bin, Beijing University of Posts and Telecommunications, China
CP5175 18:05-18:20	Multi-UAV Consensus Formation Control through Coordinated Radar Sensing and Communication in Adversarial Environments Author(s): Yueming Qi, Xiao He, Luyou Zhang, Dengke Guo, Zhilong Zhang and Yijun Guo Presenter: Xiao He, Beijing University of Posts and Telecommunications, China

TECHNICAL SESSIONS

Onsite Poster Session 1: Data-Model-Driven Intelligent Sensing and Digital Multimedia Applications

Session Chair: Wenchao Gao, China University of Mining and Technology Beijing, China

13:30-15:00, Nov. 14th, 2026 | 101, Block A

TALK DETAILS	
Time	**Presentation**
#1 CP311	Peking Opera Motion-Capture Data Processing Method for Motion-Feature-Driven Lighting-Attribute Visualization All Author(s): Haichao Li Presenter: Haichao Li, The Central Academy of Drama, China
#2 CP333	Paired SNR-Nuisance Quotient Metric for Industrial Anomalous Sound Detection All Author(s): Pengfei Qi, Lidong Yang, Yong Guo, Dawei Niu, Lili Gao Presenter: Pengfei Qi, Inner Mongolia University of Science and Technology, China
#3 CP329	Answer-Scope Drift and Trace-Content Conformance in Ontology-Driven Natural-Language Retrieval Agents All Author(s): Yuhao Chen Presenter: Yuhao Chen, Zhonghang Electronic Measuring Instruments(Xi'An) Co.,Ltd. Xi'an, China
#4 CP486	Reinforcement-Learning-Driven Artificial Lemming Algorithm for Three-Dimensional UAV Path Planning All Author(s): ZhiYi Liu Presenter: ZhiYi Liu, Beijing University of Posts and Telecommunications, China
#5 CP485	EvidenceLog-Agent: An Evidence-Grounded Agent Framework for Reliable Log-Based Fault Diagnosis All Author(s): Huixin Xiao Presenter: Huixin Xiao, Yanshan University, China
#6 CP479	An Overview of Spaceborne SAR System: From Advanced Imaging to Intelligent Observation All Author(s): Xin Lin, Yang Lu, Cheng Peng, Yin Xu, Junying Gao, Qiang Fu Presenter: Cheng Peng, Shanghai Jiao Tong University, China
#7 CP5166	Single-view Digital Human Reconstruction Based On Dual-branch Dynamic Feature Refinement All Author(s): Wenpeng Huang, Tiandong Wang, Hai Huang, Zhiqian Zhang, Zhenghan Zhong, Hein Htut Aung, Yuhang Meng

	Presenter: Wenpeng Huang, Beijing University of Posts and Telecommunications, China
#8 CP5163	Reliability-Aware Fusion of RGB and Pose for Basketball Action Recognition All Author(s): Hanrui Yang, Jiyuan Liu, Xiongce Lv, Ruihua He Presenter: Hanrui Yang, Beijing University of Posts and Telecommunications, China
#9 CP5122	A Low-Resource Turbo Decoder Design and FPGA Implementation All Author(s): Jiahe Wang, Ling Zhao, Xing Gao, Xuyang Wang Presenter: Jiahe Wang, Beihang University, China
#10 CP5157	Hybrid SSVEP Decoding for Consumer-Grade Devices: Performance Gains, Calibration Requirements, and the Limits of Adaptive Selection All Author(s): Yudong Liu, Duanlin Li, Yu Wang Presenter: Yu Wang, Beijing University of Posts and Telecommunications, China
#11 CP5173	MAPPO-Based Congestion-Aware Inter-Layer Gateway Selection in Two-Layer LEO Satellite Networks Author(s): Xinqi Cui, Shangyi Li, Fu Wang, Haipeng Yao, Qi Zhang, Feng Tian and Sitong Zhou Presenter: Xiao He, Beijing University of Posts and Telecommunications, China

TECHNICAL SESSIONS

Onsite Poster Session 2: Advanced Satellite Communications, Radar Sensing, and Wireless Intelligent Network Joint Optimization Technologies

Session Chair: Hongmei Zhang, Guilin University of Electronic Technology, China

16:05-17:35, Nov. 14th, 2026 | 101, Block A

TALK DETAILS	
Time	**Presentation**
#1 CP301	Design and Verification of a Full-Stack GPGPU Heterogeneous Computing Platform All Author(s): Zheng Yang, Shenglong Li, Yingke Gao, Zhiqin Sun, Bo Liu, Hai Yuan Presenter: Zheng Yang, Beijing Institute of Control Engineering, China
#2 CP332	Dual-Branch GNN-Enhanced Deep Reinforcement Learning for Joint Channel and Power Allocation in LEO Multi-Beam Satellites All Author(s): Xvchao Wang, Tao Zhang, Yang Zhang Presenter: Xvchao Wang, Beihang University, China
#3 CP307	A Novel Composite Interference SuppressionMethod for VHF Distributed Space-Based RadarBased on Time-Frequency Subspace ProjectionCascaded With STAP All Author(s): Xin Lin, Chenggong Wang, Jing Liu, Yang Lu, Junying Gao, Qiang Fu Presenter: Xin Lin, Shanghai Institute of Satellite Engineering, China
#4 CP347	Blind Source Separation for Anti-Saturation Jamming in Satellite Communications: Problems and Challenges All Author(s): Jiong Li, Guihao Gao Presenter: Jiong Li, Space Engineering University, China
#5 CP488	Beaconless ATP for Omnidirectional Space Laser Systems Using Optical Transceiver Arrays All Author(s): Bin Wang, Xiaoyan Wang Presenter: Bin Wang, Academy for Network & Communications of CETC, National Key Laboratory of Advanced Communication Networks, Shijiazhuang 050081, HeBei, China
#6 CP201	Scenario Analysis of Dialing Service Problems and an Emulated Access Location Method for Direct-to-Satellite Systems All Author(s): Shuo Li Presenter: Shuo Li, China Academy of Information and Communications Technology, China

#7 CP497	Bipolar Constant-On Phase Modulation for Dual-Circularly Polarized Time-Modulated Arrays All Author(s): Yicheng Zhang, Zimu Yang, Jun Gao, Tianpeng Li, Shuyi Yuan, Mingxi Zhang and Jianhui Wang Presenter: Yicheng Zhang, Information Engineering University, China
#8 CP5159	Joint Node Selection and UAV Trajectory Planning for Multistatic SAR Imaging in ISAC Networks All Author(s): Xianglong Lv, Rongke Liu, Quanyu Meng, Yunshuo Zang and Junren Qin Presenter: Xianglong Lv, Beihang University, China
#9 CP5158	Cooperative Digital Predistortion and Wideband Calibration With Shared Feedback for Fully Digital Phased-Array Transmitters All Author(s): Shihao Peng, Songting Li, Yiran Xiang, Xingyuan Fan, Yilin Wang, Lihu Chen Presenter: Shihao Peng, National University of Defense Technology, China
#10 CP5136	Sum Rate Maximization in Intelligent Reflecting Surface Assisted MIMO-NOMA Systems All Author(s): Shiyong Yang, Jinlong Jiang, Xiaorong Tan Presenter: Shiyong Yang, Jiujiang University, China
#11 CP5134	Low-Complexity PAPR Reduction for Spinal-Coded OFDM Using Phase-Rotation PTS All Author(s): Ziyan Li, Ling Zhao and Dandan Lei Presenter: Ziyan Li, Beihang University Beijing, China

TECHNICAL SESSIONS

Online Session 1: Large Language Model-Driven Intelligent Information Processing Technologies

Session Chair: Diksha Dani, NMIMS, Mukesh Patel School of Technology Management & Engineering, Mumbai

10:00-12:20, Nov. 15th, 2026 | Zoom Room A: https://us02web.zoom.us/j/86403455079
Password: ICCIP2026

TALK DETAILS	
Time	**Presentation**
Invited Speaker 10:00-10:20	Explainable Artificial Intelligence Applied to Educational Data Presenter: Mohammed Erritali, XLIM Laboratory, University of Poitiers, France
CP487 10:20-10:35	A Framework for Integrity Protection and Recovery of LLM Agent Behavior Logs Based on ChainMaker Author(s): Hanxiang Jiang Presenter: Hanxiang Jiang, Beijing University of Posts and Telecommunications, China
CP361 10:35-10:50	OilGasPipe-RAG: Adaptive Evidence-Grounded Question Answering for Public Pipeline Documents Author(s): Hengyu Wang, Xiaoping Yuan, Shufang Zhu, Hongkang Yuan, Mingda Zhan, Yonggang Lin, Yuxuan Xia, Zhangcheng Zhou, Ruifan Li Presenter: Ruifan Li, Beijing University of Posts and Telecommunications, China
CP359 10:50-11:05	Structure-Aware Hybrid RAG for Question Answering over Oil and Gas Dispatching Standards Author(s): Chun Li, Hongyang Zhao, Di Chen, Jun Zhang, Hui Yan, Lin Zhang, Weichao Yu, Hongkang Yuan, Ruifan Li Presenter: Ruifan Li, Beijing University of Posts and Telecommunications, China
CP4100 11:05-11:20	Lightweight Fixed-Budget Spatial Selection of Correspondences for Relative Pose Estimation Author(s): Sirui Yue Presenter: Sirui Yue, Beijing University of Posts and Telecommunications, China

CP340 11:20-11:35	Interaction Mechanisms in ACPs: Enabling Efficient Task Collaboration in the Internet of Agents Author(s): Yinming Li, Ke Yu, Ke Li, Keliang Chen, Haozhe Song, Xiaolian Guo, Cong Li, Zejie Han, Jun Liu Presenter: Yinming Li, Beijing University of Posts and Telecommunications, China
CP319 11:35-11:50	JDGCAD: Contextual Attention Decoding with a Joint Detector for Faithful LLM Generation Author(s): Meng Li, Lei Li Presenter: Meng Li, Beijing University of Posts and Telecommunications, China
CP206 11:50-12:05	HERO-PPO: Hierarchical End-to-End Resource Orchestration for Wireless Edge LLM Fine-Tuning Author(s): Qiusong Xu, Mingqi Li, Zhilong Zhang, Ziji Guo, Danpu Liu Presenter: Qiusong Xu, Beijing University of Posts and Telecommunications, China
CP489 12:05-12:20	Contextual Faithfulness Is Not Reliability: Benchmarking and Training Selective Trust in Retrieval-Augmented Generation Author(s): Chenhui Wang, Guang Chen Presenter: Chenhui Wang, Beijing University of Posts and Telecommunications, China

TECHNICAL SESSIONS

Online Session 2: Machine Vision-Driven Industrial Process Intelligent Monitoring and Optimization Methods

Session Chair: Lingjuan Ye, Beijing University of Posts and Telecommunications, China

10:00-12:00, Nov. 15th, 2026 | Zoom Room B: https://us02web.zoom.us/j/86913697975
Password: ICCIP2026

TALK DETAILS	
Time	**Presentation**
CP302 10:00-10:15	A Trust-Region and Subspace Combined Direct Optimization Algorithm Author(s): Tong Qiu, Houxu Huo Presenter: Houxu Huo, Beijing University of Posts and Telecommunications, China
CP337 10:15-10:30	NCEC: A Local Representative Seed Selection Method for Influence Maximization in Sparse Interaction Networks Author(s): Cancan Zhang Presenter: Cancan Zhang, South China Normal University, China
CP499 10:30-10:45	Cyclic Stochastic Gradient Descent Method with Quasi-Newton Stepsize Author(s): Yunshan Guo, Yixin Xie Presenter: Yunshan Guo, Beijing University of Posts and Telecommunications, China
CP357 10:45-11:00	Early Recognition of Pipeline Operating Conditions from Short Multi-Sensor Observations Author(s): Yi Guo, Xiaoyong Ding, Yong Hao, Bowen Liu, Yong Chen, Shujin Shen, Haisong Yu, Zhenghan Ye, Ruifan Li Presenter: Zhenghan Ye, Beijing University of Posts and Telecommunications, China
CP331 11:00-11:15	Evaluating Pipeline Anomaly Alarms Using Recorded Event Start Times Author(s): Jinzhou Song, Zhonghua Deng, Xu Hu, Zhenghan Ye, Nan Sun, Zixuan Wang, Fan Xiao, Zhao Shen, Ruifan Li Presenter: Zhenghan Ye, Beijing University of Posts and Telecommunications, China
CP330 11:15-11:30	Dual-Model Detection of Operational Events in Long-Distance Crude Oil Pipelines Author(s): Yang Lyu, Hongbing Zhang, Xuan Li, Zhenghan Ye, Siya Cai, Zitong Liu, Zhuofu Xie, Ren Cheng, Ruifan Li Presenter: Zhenghan Ye, Beijing University of Posts and Telecommunications, China

CP362 11:30-11:45	Importance-Aware RGB-D Semantic Communication via Task-Weighted Compact 3-D Primitives Author(s): Zhiyu Tan Presenter: Zhiyu Tan, Beijing University of Posts and Telecommunications, China
CP364 11:45-12:00	Sample-Efficient Composition Classification via Primitive Layout Graphs Author(s): Liwei Wang, Derui Li, Qian Qiao and Peng Lu Presenter: Liwei Wang, Beijing University of Posts and Telecommunications, China

TECHNICAL SESSIONS

Online Session 3: Key Technologies for Visual Detection and Object Recognition in Complex Scenes

Session Chair: Mark Van Buladaco, Davao del Norte State College, Philippines

10:00-12:15, Nov. 15th, 2026 | Zoom Room C: https://us02web.zoom.us/j/83948631009
Password: ICCIP2026

TALK DETAILS	
Time	**Presentation**
CP316 10:00-10:15	Image-Conditioned Prompt and Local Representation Enhancement for Zero-Shot Anomaly Detection Author(s): Shuhui Li, Siye Wang Presenter: Shuhui Li, Beijing University of Posts and Telecommunications, China
CP312 10:15-10:30	OAVS: Open-Set Deepfake Detection with Subcluster-Guided Variational Bottleneck Author(s): Ye Tian, Yuhang Ju, Hao Jiang, Jian Chang, Huiying Zhao, Honggang Zhang, Lan Yang Presenter: Ye Tian, Beijing University of Posts and Telecommunications, China
CP321 10:30-10:45	A Controlled Study of Confidence Gating and Compact Backbones for Side-View Pose Refinement Author(s): Xiyu San, Jun Liu Presenter: Xiyu San, Beijing University of Posts and Telecommunications, China
CP336 10:45-11:00	Dynamic Gating Network with Error Consistency Analysis for Generalized AIGI Detection Author(s): Peiyang Wang, Jie Liu, Chunli Song Presenter: Peiyang Wang, Beijing University of Posts and Telecommunications, China
CP335 11:00-11:15	New Directional Gradient Operator for Corner Detection Author(s): Xiaolian Deng, Zengyu Deng, Yihong Song Presenter: Xiaolian Deng, China Three Gorges University, China
CP325 11:15-11:30	Resolving Structural Ambiguity in Chinese Handwriting via IDS-Guided Multimodal Learning Author(s): Wei Qingtao, Ji Xu, Sun Haizhao, Ning Yu, Wu Ming, Zhang Chuang Presenter: Wei Qingtao, Beijing University of Posts and Telecommunications, China

CP4104 11:30-11:45	Beyond Spatial Fusion: Frequency-Domain Orthogonal Projection for Zero-Shot Sketch-Based Image Retrieval Author(s): Feiyang Liu, Xianlin Zhang, Yang Liu Presenter: Feiyang Liu, Beijing University of Posts and Telecommunications, China
CP5145 11:45-12:00	Tile-Source-Aware Soft-NMS for Tiled Object Detection Author(s): Junji Zhu, Na Wang and Tian Tian Presenter: Junji Zhu, Taiyuan University of Technology, China
CP5177 12:00-12:15	MAAT-Rank: Label-Preserving Medical Evidence Reranking under Hard-Negative Shift Author(s): Yichuan Zhang, Yuanyuan Wu, Zikai Feng, Mengxing Huang Presenter: Yichuan Zhang , Hainan University, China

TECHNICAL SESSIONS

Online Session 4: Three-Dimensional Reconstruction and Image Generation Synergized by Neural Rendering and Generative Models

Session Chair: Ruifan Li, Beijing University of Posts and Telecommunications, China

13:30-15:30, Nov. 15th, 2026 | Zoom Room A: https://us02web.zoom.us/j/86403455079
Password: ICCIP2026

TALK DETAILS	
Time	**Presentation**
CP313 13:30-13:45	HNNVC: A Hybrid Neural Network Video Coding for H.265-Compatible I/P Frame Separation Author(s): Tanlong Du, Zijian Liang, Sen Wang, Xuzhi Yang, Ruiyu Wang, Kai Niu,Ping Zhang Presenter: Tanlong Du, Beijing University of Posts and Telecommunications, China
CP344 13:45-14:00	Explicit Evidence Roles for Reference Images: A Controlled Study of One-Pass Comic Video Generation Author(s): Jianxun Zheng, Yanyu Yang, Jun Liu Presenter: Jianxun Zheng, Beijing University of Posts and Telecommunications, China
CP343 14:00-14:15	UniEdit: A Unified Diffusion Framework for Controllable Human Image Editing Author(s): Weihan Li, Xuyi Huang, Yiping Huang, Fangxiang Feng Presenter: Weihan Li, Beijing University of Posts and Telecommunications, China
CP353 14:15-14:30	Adaptive-Block-GS: Complexity-Balanced and Geometry-Aware Large-Scale 3D Gaussian Splatting Author(s): Shipeng Song, Derui Li, Qian Qiao, Peng Lu Presenter: shi peng song, Beijing University of Posts and Telecommunications, China
CP354 14:30-14:45	Object-Structural Layout Control with Multi-Scale Spatial Injection for Reference-Guided Text-to-Image Generation Author(s): Anran Zhang,Derui Li,Qian Qiao,Peng Lu Presenter: Anran Zhang, Beijing University of Posts and Telecommunications, China

CP493 14:45-15:00	SAC: Sparse Anthropometric Constraints for Plausible SMPL-X Body Generation Author(s): Ziquan Feng， Yang Liu Presenter: Ziquan Feng, Beijing University of Posts and Telecommunications, China
CP498 15:00-15:15	SGRAvatar: Spatially Constrained Gaussians and Residual Refinement for Generalizable Head Avatars Author(s): Fangyu Li, Jiaqi Tan, Yang Liu Presenter: Fangyu Li, Beijing University of Posts and Telecommunications, China
CP5165 15:15-15:30	StoryRoute: Training-Free Asymmetric Identity–State Routing for Personalized Storyboard Generation Author(s): Meixi Li, Xianlin Zhang and Xueming Li Presenter: Meixi Li, Beijing University of Posts and Telecommunications, China

TECHNICAL SESSIONS

Online Session 5: Key Technologies for Space-Ground Integrated Satellite Networks and Cooperative Communications

Session Chair: Zhang Lijun, Science and Technology on Communication Security Laboratory, China & Yang Liu, Inner Mongolia University, China

13:30-15:45, Nov. 15th, 2026 | Zoom Room B: https://us02web.zoom.us/j/86913697975
Password: ICCIP2026

TALK DETAILS	
Time	**Presentation**
CP5130 13:30-13:45	mmSoMo: Contactless Soil Moisture Measurement Based on mmWave Sensing Author(s): Chang Liu, Yanjie Dong, Siyi Li, Zhanjun Hao Presenter: Chang Liu, Northwest Normal University, China
CP5144 13:45-14:00	Hierarchical Multi-Agent Reinforcement Learning for AoI-Aware Cooperative Data Dissemination in UAV-RIS-Assisted Vehicular Networks Author(s): Licheng Yang,Shujuan Wang Presenter: ylc@stu.kust.edu.cn, Kunming University of Science and Technology, China
CP5135 14:00-14:15	Group Relative Policy Optimization Post-Training for Delay-Sensitive Unmanned Aerial Vehicle Crowdsensing Author(s): Fulin Weng Presenter: Fulin Weng, Beijing University of Posts and Telecommunications, China
CP360 14:15-14:30	Integrated Sensing-Computing-Communication Empowered Architecture and Key Technologies for 6G Space-Air-Ground Integrated Network Author(s): Tao Ye Presenter: Tao Ye, Guangzhou Institute of Science and Technology, China
CP472 14:30-14:45	A Self-Healing Routing Method Based on a Time-Expanded Graph for LEO Satellite Networks under Regional Damage Scenarios Author(s): Qizheng Wang, Fengkun Yu, Siqi Gu Presenter: Siqi Gu, Space Engineering University, China

CP4102 14:45-15:00	Inter-Layer Link Switching Based on KM Matching and Local Benefit Certification in Multi-Layer LEO Satellite Networks Author(s): Daolong Yang, Feng Liu Presenter: Daolong Yang, Beihang University, China
CP5154 15:00-15:15	GEO-Assisted Federated Split Learning in LEO Satellite Networks with Joint Resource Allocation Author(s): Jiacheng Zhang, Hui Tian, Haofeng Sun, Gaofeng Nie Presenter: Jiacheng Zhang, Beijing University of Posts and Telecommunications, China
CP5174 15:15-15:30	Security-Aware Reinforcement Learning for Beam Scheduling in Multi-Satellite Multi-Beam Networks with Channel Assignment and Power Control Author(s): Yi Zhou, Hao ge Jia, Sheng Wu, Zhe Ji and Ai ling Xiao Presenter: Yi Zhou, Beijing University of Posts and Telecommunications, China
CP5143 15:30-15:45	Pinching Antenna-assisted NOMA Systems: More Flexible Decoding Choices Author(s): Zhitao Chen & Guangyu Zhu Presenter: Zhitao Chen, Beijing University of Posts and Telecommunications, China

TECHNICAL SESSIONS

Online Session 6: Intelligent Prediction Models and Application Technologies Driven by Multi-Modal Information Fusion

Session Chair: Valentina Vasile, Romanian Academy, Romania

13:30-15:45, Nov. 15th, 2026 | Zoom Room C: https://us02web.zoom.us/j/83948631009
Password: ICCIP2026

TALK DETAILS	
Time	**Presentation**
CP495 13:30-13:45	Confusion-Guided Copy-Paste for Thin-Object Segmentation Author(s): Zhongwen Zhao Presenter: Zhongwen Zhao, Beijing University of Posts and Telecommunications, China
CP328 13:45-14:00	Evidence-Typed Auditing of Direct-Target Label Promotion in Peptide Network Pharmacology: A Humanin–Diabetic Cardiomyopathy Case Study Author(s): Yuxin Bi Presenter: Yuxin Bi, Beijing University of Posts and Telecommunications, China
CP315 14:00-14:15	Principal-fixed Random-Auxiliary Feature Ensemble Learning Method for Weather Forecasting Author(s): Xiaoying Xing, Bitong Han, Haochen Li* Presenter: Xiaoying Xing, Beijing University of Posts and Telecommunications, China
CP338 14:15-14:30	A Joint Forecasting Method for Computing and Power Loads in Green Data Centers Author(s): Jun Cao,Danpu Liu, Zhilong Zhang Presenter: Jun Cao, Beijing University of Posts and Telecommunications, China
CP346 14:30-14:45	PAE-Fog: Physics-Aware Gating and Prior-Calibrated Enhancement for Sea Fog Detection Author(s): Xing Zhang, Mingrui Xu, Kaixin Chen, Ming Wu, Chuang Zhang Presenter: Xing Zhang, Beijing University of Posts and Telecommunications, China

CP350 14:45-15:00	ADSM: Adaptive Diagnostic Feature Selection and Dual-Stream Modulation for Data-Driven Heavy Precipitation Forecasting Author(s): Yisu Liu, Jinpeng Zheng, Kaixin Chen, Shumeng Yang, Rumeng Duan, Ming Wu and Chuang Zhang Presenter: Yisu Liu, Beijing University of Posts and Telecommunications, China
CP469 15:00-15:15	A Dual-Layer Gated Multi-Modal Healthcare and Rehabilitation Recommendation Method Author(s): Yizhuo Guo, Yuanyuan Wu, Zikai Feng Presenter: Yizhuo Guo, Hainan University, China
CP5164 15:15-15:30	Leakage-Aware Information Processing and Predictive Knowledge Discovery for Academic Risk Screening Author(s): Xin Sun, Tianrui Wen Presenter: Xin Sun, HEILONGJIANG POLYTECHNIC, China
CP345 15:30-15:45	MCP-Based Tool-Orchestrated Intelligent Report Generation for Industrial Process Data Author(s): Yilin Zhao, Tingting Wang, Qiang Fu, Presenter: Tingting Wang, Beijing University of Posts and Telecommunications, China

TECHNICAL SESSIONS

Online Session 7: Physical Layer Technologies and Intelligent Signal Processing for 6G Wireless Communications

Session Chair: Xinyu Gu, Beijing University of Posts and Telecommunications, Purple Mountain Laboratories, China & Smain Femmam, Strasbourg University of Haute Alsace, France

15:50-18:20, Nov. 15th, 2026 | Zoom Room A: https://us02web.zoom.us/j/86403455079
Password: ICCIP2026

TALK DETAILS	
Time	**Presentation**
CP304 15:50-16:05	GD-RSRP: A Gated Diffusion Framework forSparse-Measurement RSRP Map Construction inUrban Low-Altitude Cellular Networks Author(s): Zihao Lu,Quanyu Meng, Wuyangmei Ding, Rongke Liu Presenter: zihao lu, Beihang University, China
CP317 16:05-16:20	Joint Location and Beamforming Optimization for RIS in mmWave MIMO Network Author(s): Bochuan Zhang, Xiong Zeng, Kai Liu Presenter: Bochuan Zhang, Beijing University of Posts and Telecommunications, China
CP474 16:20-16:35	Outage Performance of Energy-Harvesting RSMA FSO/RF Relay Networks Author(s): Qian Zhang, Cheng Yin, Hao Wang, Jiliang Zhang Presenter: Qian Zhang, Southwest University, China
CP5129 16:35-16:50	Self-Supervised Channel Charting from RSRP-Only Measurements of Commodity 5G Terminals Author(s): Jiqin Zhang, Zihan Zhang, Mingxing Gu, and Kun Zhao Presenter: Jiqin Zhang, East China Normal University, China
CP5119 16:50-17:05	Active radio-emitter localization by a mobile platform under bounded bearing errors Author(s): Wenjie Xiang，Zhihao Shu，Zhuwen Chen，Zhiqiang Xiang，Jintian Zuo，Hongyu Zhang,Nan Huang,Liang Shu Presenter: Jintian Zuo, Changsha Institute of Technology , China

CP5172 17:05-17:20	Enhanced GTurbo-GEC Receiver for Massive MIMO System with Few-Bit ADCs and LNA Nonlinearity Author(s): Jiaxing Feng, Shuntian Zheng, Haoge Jia, Sheng Wu, Zhe Ji, Ailing Xiao Presenter: Jiaxing Feng, Beijing University of Posts and Telecommunications, China
CP341 17:20-17:35	Movable-Element STARS Aided Wireless Communications Leveraging Statistical CSI Author(s): Dongfeng Li, Guangyu Zhu, Li Guo Presenter: Dongfeng Li, Beijing University of Posts and Telecommunications, China
CP303 17:35-17:50	Research on Optimization of gPTP Algorithm in 5G-TSN Converged Networks Author(s): Yue Zhang, Jiayi Zhao, Guoyan Wang, Yinhan Ma, Yuanyi Zhang, Jinsong Xu Presenter: Yue Zhang, Jiangsu Normal University, China
CP326 17:50-18:05	MoDA: Event-Structured Reward Alignment for Long-Sequence Text-to-Motion Author(s): Yijia Chi Presenter: Yijia Chi, Beijing University of Posts and Telecommunications, China
CP5162-A 18:05-18:20	Multimodal Sensing and Closed-Loop Interaction Design of an Embodied Intelligent Robot for Out-of-Hospital Cardiovascular Chronic Disease Management Author(s): Song WANG, Chenyuan WANG, Ping ZHANG Presenter: Song WANG, Beijing Tsinghua Changgung Hospital / Tsinghua University, CHINA

MEMO