

# 2025 IEEE 28th International Conference on Computer Supported Cooperative Work in Design (CSCWD 2025)

## May 5 - 7, 2025, Compiègne, France

### Onsite Sessions with Online Presentations (Marked with \*)

Online conference IDs and passwords will be sent to the registered attendees by emails around May 1, 2025.

<b>Monday 5th May</b>		
9:00-9:30	<b>Opening Ceremony (Auditorium Robert Colcombet)</b>	
9:30: 10:15	<b>Keynote: Nicolas Maudet (Auditorium Robert Colcombet)</b>	
10:15-10:30	<b>Coffee Break</b>	
10:30:-12:30	<b>Session A1 : (Room A)</b>	<b>Session B1 : (Room B)</b>
12:30-14:00	<b>Lunch</b>	
14:00-15:50	<b>Session A2 : (Room A)</b>	<b>Session B2 : (Room B)</b>
15:50-16:10	<b>Coffee Break</b>	
16:10-18:00	<b>Session A3 : (Room A)</b> <b>Session A4 : (Room A)</b>	<b>Session B3 : (Room B)</b>
18:30	<b>Welcome Cocktail</b>	

## Tuesday 6th May

8:30-9:20

**Keynote: Myriam Lewkowicz (Auditorium Robert Colcombet)**

9:20-10:10

**Keynote: Luis M. Camarinha-Matos (Auditorium Robert Colcombet)**

10:10-10:30

**Coffee Break**

**Session A5 : (Room A)**

**Session B4 : (Room B)**

10:30-12:30

**Session B5 : Room B)**

12:30-14:00

**Lunch**

14:00-15:50

**Session A6 : (Room A)**

**Session B6 : (Room B)**

**Session A7 : (Room A)**

**Session B7 : (Room B)**

15:50-16:10

**Coffee Break**

16:10-18:00

**Session A8 : (Room A)**

**Session B8 : (Room B)**

18:30-21:00

**Compiègne Tourism Visit & Conference Banquet**

## Wednesday 7th May

9:00-10:20

**Session A9 : (Room A)**

**Session B9 : (Room B)**

**Session A10 : (Room A)**

**Session B10 : (Room B)**

10:20-10:40

**Coffee Break**

10:40-12:30

**Closing Ceremony & Best Papers Congratulation (Auditorium Robert Colcombet)**

12:30-14:00

**Lunch**

## Online Sessions (with all Presentations to be presented online)

Online conference IDs and passwords will be sent to the registered attendees by emails around May 1, 2025.

### Monday May 5, 2025 (Paris Time)

10:30 – 12:30	Online Sessions C1,D1,E1,F1,G1,H1
14:00 – 15:50	Online Sessions C2,D2,E2,F2,G2,H2
16:10 – 18:00	Online Sessions C3,D3,E3,F3,G3,H3

### Tuesday May 6, 2025 (Paris Time)

10:30 – 12:30	Online Sessions C4,D4,E4,F4,G4,H4
14:00 – 15:50	Online Sessions C5,D5,E5,F5,G5,H5
16:10 – 18:00	Online Sessions C6,D6,E6,F6,G6,H6

### Wednesday May 7, 2025 (Paris Time)

8:30 – 10:20	Online Sessions C7,D7,E7,F7,G7,H7
10:40 – 12:30	Online Sessions C8,D8,E8,F8,G8,H8
14:00 – 15:50	Online Sessions C9,D9,E9,F9,G9,H9
16:10 – 18:00	Online Sessions C10,D10,E10,F10,G10,H10

## Monday 5th May

9:00-9:30	<b>Opening Ceremony (Auditorium Robert Colcombet)</b>	
9:30: 10:15	<b>Keynote: Nicolas Maudet (Auditorium Robert Colcombet)</b>	
10:15-10:30	<b>Coffee Break</b>	
10:30:-12:30	<b>Session A1: Collaboration Technology Applications in Aerospace (Auditorium Robert Colcombet)</b>	<b>Session B1 Collaboration Methods, Mechanisms, Processes, and Protocols (Amphi du Centre d' innovation)</b>
	<p><b>2-</b> Qian Cao, Jing Li and Paolo Trucco: Intelligent Transportation Aiding Urban Sustainability: An Empirical Analysis with Reinforcement and Deep Learning</p> <p><b>180-</b>Yifan Gao, Xinyu Li, Chunjiang Zhang, Zishun Hu, Yiping Gao and Liang Gao:An improved gray wolf optimizer for wafer probing scheduling problem</p> <p><b>187-</b>Xingyu Chai, Xuefeng Yan, Yanbiao Niu, Yuxin Jin and Xiangping Zhai: Enhanced Spider Wasp Optimizer Based on Tangent Guidance for UAV Path Planning</p> <p><b>203-</b>Jianli Ding, Yixiang Peng and Jing Li: A Flight Delay Prediction Model Based on Improved Spatio-Temporal Synchronous Graph Convolutional Networks</p> <p><b>210-</b>Kunkun Peng, Chunjiang Zhang, Weiming Shen and Xudong Deng : A Discrete Growth Optimizer for Energy-Efficient Steelmaking-Refining-Continuous Casting Scheduling Problems</p>	<p><b>*74-</b>Xiaoyu Deng, Zhengjian Kang, Xintao Li, Yongzhe Zhang and Tianmin Guo:CoVis: A Collaborative Framework for Fine-grained Graphic Visual Understanding</p> <p><b>*279-</b>Jesús Tamez-Duque, Ulises Tamez-Duque, Fernando Martínez-García, Guillermo Santos, Fernanda Zapata-Murrieta, Juan Carlos Alcázar and Rogelio Soto:A Simplification Approach to Developing Rehabilitation Robots</p> <p><b>*334-</b>Zheng Chen:Fair Assignment for Agents with Multiple Weights</p> <p><b>435-</b>Guojian Xiao, Haoxuan Pi, Yifan Bai, Kuan Li and Jianping Yin : Compiler Flag Auto-tuning Based on Iterative Compilation and Predictive Model</p> <p><b>27-</b>Yue Zhao: MIUI: Make Interaction Usable on Information Visualization for People with Visual Impairments</p>
12:30-14:00	<b>Lunch</b>	
14:00-15:50	<b>Session A2 : Collaboration Technology Applications in Aerospace(Auditorium Robert Colcombet)</b>	<b>Session B2 Collaboration Platforms, Software Tools, and Services (Amphi du Centre d' innovation)</b>

248- Bingzhuo Ma and Wei Wu: RS-Detr: Detail Feature Extraction and Reassembly Modules for Fine-Grained RSIs Object Detection

291- Shichen Tian, Chunjiang Zhang, Cuiyu Wang, Xinyu Li and Liang Gao- : An Iterative Branch-and-bound Approach for Complex Product Assembly Station Scheduling Problem

292-Haoran Li, Cuiyu Wang, Xinyu Li, Qihao Liu, Yiping Gao and Liang Gao : A discrete grey wolf optimizer with active-decoding strategy for reconfigurable manufacturing system scheduling problem

293-Zipeng Yang, Xinyu Li, Qihao Liu, Chunjiang Zhang and Liang Gao : A Dense Pixel-based Genetic Algorithm for Additive Manufacturing Scheduling Problem

305-Mengya Zhang, Xinyu Li, Liang Gao, Chunjiang Zhang and Yiping Gao : Automatic Strategy Selection based on Graph Neural Network for Constraint Programming on the Shop Scheduling

481- Linwei Yao, Kuan Li, Huiying Xu, Xinzhong Zhu and Hongbo Li : Multi-DAT: Dynamic Job Task Scheduling Method Based on Multi-agent Reinforcement Learning

22-Yue Zhao:Viewdows: A Low-Latency Web Visualization Framework for Multi-Windows

108-Chenwei Gong, Xuyang Zhang, Yuzhen Lin, Pei-Chiang Su, Hang Lu and Jingwei Zhang:Federated Learning for Heterogeneous Data Integration and Privacy Protection

115-Guo Li, Jingyuan Liu and Jing Wang:ADS-B-Based Wavelet Time-Frequency Learning Model for Flight Trajectory Prediction

156-Baihui Sang, Liang Wang and Xianping Tao:Mining and Assessing Issue Resolution Processes In Open Source Software Repositories

207-Xiaohao Liu, Ruolong Wang, Bing Jia, Baoqi Huang and Xiaoyue Zhu:WTB-YOLO:Wind Turbine Blade Defect Detection with Scale Sensitivity and Cascade Structure

300-Shigeru Fujita, Kenji Sugawara, Thierry Gidel, Claude Moulin and Insaf Setitra:Recognition of Group Actions from Individual Actions in Brainstorming Sessions

15:50-16:10

**Coffee Break**

16:10-18:00

**Session A3 : Collaboration Technology Applications in Business and Administration (Auditorium Robert Colcombet)**

**Session B3 : Collaboration Platforms, Software Tools, and Services (Amphi du Centre d' innovation)**

\*142-Emilly Marques, Daniel Schneider, Claudio Miceli and António Correia:Persuasive Smart Bin Technology for Sustainable Behavior: A Case Study of Recycling

315-Bertrand David, René Chalon and Chuantao Yin:A methodological approach for design of Collaborative Assistive Systems for Smart applications in Smart environment

233-Keying Yang, Yuhao Zhou and Jianhui Jiang:A Novel DWT and Attention-Based GRU-CNN Model for Transaction Throughput Prediction in Financial Trading Systems

**Session A4 : Collaboration Technology Applications in Social Networks and Entertainment (Amphi du Centre d' innovation)**

\*280-Sanjian Zhang, Yiming Lai and Wei Cai:Decentralization and Community Evolution in Blockchain Games: The Role of Governance Tokens

524-Ana Paula Pimentel, Claudia Motta, António Correia, Jano de Souza and Daniel Schneider:Cognitive Ethical Design and Evaluation of Productive Reinforcing Spiral to Mitigate the Challenge of Extreme Polarization

406-Yidan Sun, Xianya Fu and Shijun Liu:A Format-Character Cooperative Recognition Method for Ancient Chinese Books

419-Tianxiang Rong, Jihu Wang, Ziyang Su, Yuliang Shi, Fanyu Kong, Zhiyong Chen and Hui Li:Hyperboloid-Aware Cross-Community Knowledge Graph Contrastive Learning for Paper Recommendation

431-Dennis Paulino, Alexandre Carvalho, Fernando Cassola, Hugo Paredes, João Lopes and Marco Oliveira:Designing a Decision Support System for Accelerating Offshore Blue Energy Installations

474-Ngoc Luyen Le and Marie-Hélène Abel:Joint Group Profiling and Recommendation via Deep Neural Network-based Multi-Task Learning

475-Marcos Antonio de Almeida, Mariangela Gomes de Souza Nascimento, Antonio Correia, Carlos Eduardo Barbosa, Jano de Souza and Daniel Schneider:FOMO as a Trigger to Embrace the Digital Nomad Lifestyle

18:30

Welcome Cocktail

**Tuesday 6th May**

8:30-9:20

**Keynote: Myriam Lewkowicz (Auditorium Robert Colcombet)**

9:20-10:10

**Keynote: Luis M. Camarinha-Matos (Auditorium Robert Colcombet)**

10:10-10:30

**Coffee Break**

10:30-12:30

**Session A5 : Digital Collaboration for Higher Education (Auditorium Robert Colcombet)**

**Session B4 : Collaboration Technology Applications in Healthcare and Homecare (Amphi du Centre d' innovation)**

116-Daniel Martins, Marcos Antonio de Almeida, Lucas Nóbrega, Luiz Felipe Martinez, Carlos Eduardo Barbosa, Matheus Argôlo, Herbert Salazar, Jano de Souza and Geraldo Xexéo: Digital Collaboration in the Game "Present of the Future": An Evaluative Study

117-Chessman Corrêa, Lucas Nóbrega, Luiz Felipe Martinez, Carlos Eduardo Barbosa, Matheus Argôlo, Herbert Salazar, Jano de Souza and Geraldo Xexéo: Global Software Engineering Challenges and Impacts on Undergraduate Education: a Review

394-Cristian Lai, Carole Salis, Manuela Carastro, Raffaella Lai, Stefano Leone Monni, Fabrizio Murgia and Jose Francisco Saenz Cogollo: Technical and Pedagogical innovation for remote learning of scientific experimentation

477-Adil Asmal, David Large, Catherine Harvey and Gary Burnett: Exploring Collaboration in a Blended Reality System: A User-Perspective Study

543-Thierry Gidel, Claude Moulin and Marie-Hélène Abel: Enhancing Research Skills in Engineering Education through Collaborative Digital Tools and Live Experimental Sessions

554-Ronas Shakya and Mohammad Khalil: Designing a Learning Analytics Dashboard for Individual and Collaborative Use of Remote Labs

178-Ke Zhang, Shiguo Zang, Zhenglin Li, Zhelong Wang, Ying Ji and Hongkai Zhao: EEG-Based Detection for Depth of Sedation Using Spectro-Temporal Information in ICU Patients

339-Yi Wang, Qinpei Zhao, Weixiong Rao, Chengwei Wu, Xinyuan Lu, Jipeng Zhang, Ming Li, Quanquan Ge and Congrong Wang: Local-Global Context Encoding Architecture for the Insulin Prescription Recommendation

\*498-Justin Eric Chen, Abhinav Choudhry, Kyrie Zhixuan Zhou and Rachel F. Adler: Toward More Inclusive eHealth Technologies for Older Adults: A Narrative Review

#### Session B5 : Collaborative Computing (Clouds, Grids, Web Services, Blockchains)(Amphi du Centre d' innovation)

31-Pengkai Xia, Kai Hu, Jiehua Huang, Jiang Li, Cong Lin, Qingchan Liu, Yitao Zhao and Xiyan Shi: Data destruction mechanism based on AONT-CTR and blockchain

32-Pengkai Xia, Kai Hu, Yihang Ren, Jie Li, Cong Lin, Qingchan Liu, Shenzhang Li and Jiahao Li: Research on Data Security and Management Mechanism Based on Blockchain

35-Li Bing, Hou Rui, Shi Tao and Yang Xiaoyan: Satellite Client Selection Algorithm Based on LHP For Constellation Federated Learning

12:30-14:00

Lunch

14:00-15:50

**Session A6: Digital Collaboration for Higher Education (Auditorium Robert Colcombet)**

**Session B6 : Collaborative Computing (Clouds, Grids, Web Services, Blockchains)(Amphi du Centre d' innovation)**

\*569-Yara Gomaa, Christine Lahoud, Marie-Helene Abel and Sherin Moussa:Facilitating Gamification for Teachers: An Ontological Approach

576-Nader N. Nashed, Marie-Helene Abel and Christine Lahoud:Context-Aware Hybrid Recommender System for Teachers within MEMORAE SoIS

**Session A7 :Industrial Internet, Internet of Things, Cyber-Physical Systems, Industry (Auditorium Robert Colcombet)**

578-Jingfeng Hu, Ding Ding, Xiangyu Xu, Jinghui Zhang, Jin Jiahui and Fang Dong:Bilateral Virtual Companions: The Impact of Virtual Humans' Movement and Voice Realism on User Perception and Experience in Multi-user VR Cinemas

104-Ziyu Niu, Tianyi Xu, Xiaobo Zhou, Fengbiao Zan and Tie Qiu:Multimodal Fusion Network for Human Action Recognition in Industrial Manufacturing

205-Zhiguo Zhang, Zheng Zhang and Junxing Zhang:CECVA: Communication-Efficient Edge-Device Collaborative Video Analysis

324-Hao Su, Zhenrui Cao, Xiaobo Zhou, Songwei Zhang and Tie Qiu:A Message Expansion Method Driven by Device Interaction for Industrial Protocol Understanding

40-Wei Wang, Yan Ding, Yusong Tan, Xing Zhou, Jianfeng Zhang, Chunyan Chen, Yuanming Gao and Xiaochuan Wang:GRWO: Toward Efficient Model Protection of Edge Inference via Very Few Weights Obfuscation based on Gradient Ranking

189-Yukun Liu, Zheng Zhang and Junxing Zhang:A Sensitive Data Management System Based on Blockchain and Semi-Converged Ring Network

381-Xiongxiong Wang, Ru Li, Jiaqiang Zhang and Peng Li:LSDDPG: A Deep Reinforcement Learning Algorithm for UAV-assisted Task Offloading with Dynamic Feature Continuous Learning

533-Wei Jiang, Yang Li, Bo Li, Zixin Tang, Jinchao Zhang and Chuanrong Li:An Efficient and Privacy-Preserving Cross-Modal Retrieval Scheme for Encrypted Data in the Cloud

**Session B7 : Collaborative Business Information (Amphi du Centre d' innovation)**

37-Xiaofeng Zhang, Jinfa Wang, Chunyang Zheng, Hui Wen, Hong Li and Hongsong Zhu:Microservice Dependency Discovery based on Spatio-Temporal Network Flow Behavior Modeling

295-Dennis Paulino, André Thiago Netto, Diogo Guimarães, Joao Barroso and Hugo Paredes:Usage of a cognitive bias web-game to increase accurate interpretation of online consumer reviews

15:50-16:10

**Coffee Break**

16:10-18:00

**Session A8 : : AI-Driven Innovations in Industrial Intelligence for Advancing Industry 4.0 and Sustainable Development (Auditorium Robert Colcombet)**

**Session B8 : Large Language Models and Applications to Collaborative Design (Amphi du Centre d' innovation)**



184-Jianli Ding, Yuepeng Ren and Weidong Cao:An Aircraft Scheduling Optimization Model Based on Graph Reinforcement Learning

313-Bruno Kostiuk, Gregory Moro Puppi Wanderley, Cesar Augusto Tacla, Antônio David Viniski, Júlio Cesar Nievola and Emerson Cabrera Paraiso:A Hybrid Software Testing Recommendation System based on Bugs and Tests Descriptions

389-Jie He, Lin Wang, Jijia Wang, Ruyu Liu, Haoyu Zhang, Bo Sun, Xiufeng Liu, Chaochao Wang and Xianchao Zhang:Multi-Stage Knowledge Distillation for Progressive Image Deblurring in Teacher-Student Networks

373Qin Si, Lei Cui, Haiqiang Fei, Lin Ji, Lun Li and Hongsong Zhu:-FirmEE: Firmware Emulation Enhancement via Automated and Dynamic NVRAM Configuration

29-Salman Shehzad, Chunsheng Yang, Yuan-Gen Wang and Bitang ZhuFabric: Defect Detection with Fine-tuned YOLOv7

335-Bruno Franco and Edson Scalabrin:Efficient Training of Large Language Models on Legacy GPUs with HetSeq and PyTorch

402-Xianshan Li, Kaixuan Feng, Haoyu Wang and Fengda Zhao:A Lightweight Unified Generative Framework with Prompting for Chinese and English Spoken Language Understanding

121-Lucas Nóbrega, Luiz Felipe Martinez, Yuri Lima, Carlos Eduardo Barbosa, Matheus Argôlo, Herbert Salazar, Geraldo Xexeo and Jano de Souza:Towards a Knowledge Management Framework for LLM-Generated Personas in Collaborative Systems

316-Xiaohao Xu, Yunkang Cao, Huaxin Zhang, Nong Sang and Xiaonan Huang:Customizing Visual-Language Foundation Models for Multi-Modal Anomaly Detection and Reasoning

18:30-21:00

Compiegne Tourism Visit & Conference Banquet

### Wednesday 7th May

9:00-10:20

**Session A9 : : Knowledge-driven Big Data Computing and Its Applications (Auditorium Robert Colcombet)**

275-Tie Hua Zhou, Dong Sheng Li, Ling Wang, Chun Xu Yang and Wei Ding:Features Coefficients Selection-based Decision Tree Classification Model for Robot Remote Control System Performance Bottlenecks Recognition

**Session B9 : Adaptative collaboration system (Amphi du Centre d' innovation)**

434-Wen Yin, Yiqi Wang, Jiaxin Zhang, Yu Shi, Ruichao Ren, Songlei Jian, Jianfeng Zhang and Ding Yan:Enhancing Graph Neural Networks for Graph Classification via Structure-Guided Adaptor

555-Gang Yang, Jun He, Bo Wu, Lin Ni, Linna Fan and Tao Xia: Enhance CVE Severity Prediction From Vulnerability Description with Auxiliary Sentence

320-Haibin Zhu, Tianshuo Yang, Ke Gong and Chun Wang: Why Imperfect Team Management is Tolerable: An E-CARGO's Perspective

**Session A10 : Applications & Industry (Amphi du Centre d' innovation)**

**Session B10 : Digital Twins and Industrial Metaverse (Amphi du Centre d' innovation)**

20- Pierre-Emmanuel Arduin and Quang Minh Doan: Tacit Knowledge Sharing Behaviors in Extended Enterprises: a Cross-Cultural Comparison in France and Vietnam

376-Gabriel Eggly, Sergio Ochoa and Rodrigo Santos: Structuring Digital Twins for Disasters Management Based on a Blackboard

182-Nada Matta, Patrick Pfundstein, Camille Larde and Baptiste Ismedon: Answering Application of Generative AI in Industry: Integration of semantic representation

476-Felipe Escarate, Nelson Baloian and Jose A. Pino: Towards Automating Crowdsourcing for Virtual Museums

10:20-10:40

**Coffee Break**

10:40-12:30

**Closing Ceremony & Best Papers Congratulation (Auditorium Robert Colcombet)**

12:30-14:00

**Lunch**

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## Online Sessions

### **Session C1: Collaboration Technology Applications in Intelligent Buildings and Smart Homes (1)**

267- Jingyuan Feng, Qiyue Wu and Fan Lin: FD-RLPO: Feature Domain-based Reinforcement Learning Framework for Portfolio Optimization

550- Gaozhi Tang, Jianrong Wang, Xinglong Chang, Di Jin and Xiudong Han: FitCLM: LLM-Augmented Candidate-aware Cross-view Contrastive Learning for Person-Job Fit

158- Ming Jiang, Zhaode Xu, Biao Guo, Yao Lu, Feng Zhang and Caichun Gong: Lightweight Multi-Branch Feature Complementary Network for Multi-Modal Object Re-Identification

314- Ruochen Cao, Changyue Ma, Ziyuan Feng, Xin Wen, Ziarnal Hussain and Rui Cao: Investigating the Influence of Exit Single and Interactive Features for Individuals' Doorway Choice

221- Sihan Guo, Xianling Mao and Heyan Huang: 3D Visual Question Answering via 2D-Enhanced Multi-Modal Fusion Framework

562- Han Wu, Yunhan Lin, Yaojie Chen and Jianbo Li: Damaged Wire Detection and Segmentation Method Based on Lightweight Channel Attention Mechanism and Transfer Learning

### **Session C2: Collaboration Technology Applications in Intelligent Buildings and Smart Homes (2)**

328- Shuhui Zhang, Ting Gao, Lianhai Wang, Shujiang Xu, Wei Shao and Qizheng Wang: A lightweight identity privacy protection scheme for electric vehicles based on consortium blockchain

393- Shuaijie Zhang, Aziguli Wulamu, Xi Guo and Turdi Tohti: MTS-CAM:A Multi-Time-Scale Convolutional Attention Mechanism for Time Series Forecasting

265- Jianfu Li and Chonghao Liu: SCMF: Long-term Time Series Forecasting Model Based on Series Collapsing and Multiple Periods Fusion

528- Lvyang Zhang, Wen Lu, Yang Zhao, Weihai Yuan and Lidong Zhai: Integrating IRT and Knowledge Graphs for the Selection of Cybersecurity Talent

259- Qingqing Zhao, Xiangyu Bai and Haoran Cheng: Optimization of Satellite Distance Education Network Resource Scheduling for Remote Areas

400- Yejuan Xie, Yunzhe Wang, Yushi Li, Rongrong Chen, Peiyu Hu and Chengtao Ji: Create3DHistory: Creating and Customizing Historical Timelines with AI-Generated Content

### **Session C3: Collaboration Technology Applications in Aerospace, Automotive, and Manufacturing (1)**

366- Hongqi Li, Zhiqiang Liu, Jie Yang and Wanhanxue Li: Dual attention pathway for semantic segmentation of agricultural remote sensing images

347- Qiuyue Liu, Chunxiao Wang, Yinglong Wang, Zhigang Zhao, Shuchang Zang and Huagang Wen: Optimization Method for Cross-Domain Heterogeneous Storage System Management Based on Improved NSGA-III

112- Yiming He, Xiongfei Yang and Weiming Shen: A multi-model collaborative decision-making approach for compound fault diagnosis

231- Zhihao Zong, Fazhi He, Rubin Fan and Yuxin Liu: Reconstruct PFCAD Models with Dual-transformer and Continuation Attention

290- Kunkun Peng, Chunjiang Zhang, Weiming Shen and Xudong Deng: A Hybrid Fireworks Algorithm for Integrated Hybrid Flowshop Scheduling with Sequence-Dependent Setup Times and Vehicle Routing Problems Considering Customer Priority

341- Shuting Xi, Jing Bai and Hu Zheng: Multi-view Text Enhancement for Parameter-free Zero-shot 3D Model Classification

### **Session C4: Collaboration Technology Applications in Aerospace, Automotive, and Manufacturing (2)**

168- Teng Guo, Dongfang Ma, Yun Xu and Zhaoyang Ma: Hyp-OC: Exploiting Hyperbolic Distance Enhances Open-World Contrastive Learning

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- 282- Jiaming Zhou, Zhiwen Yuan and Yunong Zhang: One-Iteration-per-Update (OIpU) Algorithm Applied to MMPC (Minimum Motion Planning and Control) of Planar Four-Link Robotic Arm Aided with Zhang Equivalency
- 337- Tong Wang, Fayu Wang and Xinge Li: Research on object detection optimization method for complex traffic environment
- 508- Yunfei Liu, Yizhao Wang, Shiyi Hao and Shengyang Li: Enhance Document-Level Event Argument Extraction Through Text Diffusion and Event Argument Constraints
- 43- Fengqi Hao, Xiyuan Zhao, Cunxiang Bian, Jinqiang Bai and Qingyan Ding: Neural Network Driven by Density and Parallel Features for Field-road Mode Mining
- 86- Yiqi Wu, Jiale He, Xiantao Cai, Dejun Zhang, Changliang Li and Yilin Chen: RLLRFusion: RCS-based LiDAR-Radar Fusion for 3D Object Detection

### **Session C5: Collaboration Technology Applications in Aerospace, Automotive, and Manufacturing (3)**

- 4- Haidong Xiao, Zhigang Ren and Shengze Cai: HMNet: High-Resolution Mamba Network for Semantic Segmentation of Surface Defects
- 96- Fengqi Hao, Junjie Xia, Haigang Xu, Hoiio Kong, Qingyan Ding and Jinqiang Bai: An Efficient Model for Detection of Wood Surface Defects
- 497- Keao Meng, Han Wang, Chenze Wang, Qing Liu, Yufeng Chen, Gaowei Xu and Min Liu: Prototypical Normalized Output Domain Adversarial Adaptation Network for Fault Diagnosis with Fusion Perception
- 522- Chao Ma, Xiao Lv and Hanrui Zhang: IHM-SNet: An Interactive Hierarchical Mamba-Based Screening Network for Remote Sensing Image Change Captioning
- 312- Fengru Xu, Bohan Li, Hao Fang, Shuai Xu and Xiuquan Li: Enhanced RAG for Knowledge Retrieval in Mechanical Manufacturing
- 342- Yang Yang, Weilong Ding, Qi Yu and Yuwei Gu: A Variable Adaptive Embedding Transformer for Multivariate Time Series Forecasting

### **Session C6: Collaboration Technology Applications in Healthcare and Homecare (1)**

- 25- Tao Hu, Jingshan Pan, Na Li, Tangbin Tian and Shengyu Liu: DBE-SwinUNet: A Novel Dual-Branch SwinUNet for Accurate Cancer Pathology Image Segmentation
- 36- Linxiao Cao, Yifei Zhu, Haoquan Zhou, Shilei Tan and Wei Gong: Federated Reinforcement Learning for Therapeutic Interventions over ICUs with Noisy Labels
- 123- Hai Xu, Maoyu Zhang, Fanfan Yan, Haoran Ding and Meng Guo: Cell-YOLOv8: A Novel Automated Method for Multi-Scale Cervical Cell Detection
- 229- Jie Cao, Qingxuan Jiang, Zhenyu Wu, Zhe Wang and Boshuo Li: EFONet: A Deep Learning-Based Method for Lumbar Disc Segmentation in Magnetic Resonance Images
- 234- Haoyang Xu, Yuesheng Zhu and Guibo Luo: DeformSleepNet: Adaptive Multi-level Feature Extraction for Enhanced Sleep Stage Classification
- 262- Xuqing Chai, Yifan Zhang, Yinghai Lin, Danyang Liu, Zhixiong Tian and Zhen Wang: EDP-UNet: A Medical Image Segmentation Model with Enhanced Feature Fusion

### **Session C7: Collaboration Technology Applications in Healthcare and Homecare (2)**

- 479- Guangxue Wang, Bing Wang, Haoyang Zhai, Qin Tao, Siyuan Jing and Peng Jin: Pose-based Isolated Sign Language Recognition with Semantic Mapping and CorrFormer
- 487- Yang Pu, Yuanbo Xing and Qingfeng Wu: MRFAE-UNet: Multi-Receptive Field Attention-Enhanced UNet for Medical Image Segmentation
- 507- Shengyu Lu: Design of A Low-cost Computer-aided Diagnosis System for Knee Osteoarthritis
- 26- Junhua Wu, Yue Fu and Guangshun Li: Medical Device Traceability Management Scheme Based on Blockchain
- 81- Tianyang Li, Yuhong Nie and Hongbin Yan: MSF-YOLO: An Improved YOLOv10 Network for Object Detection on Lung nodule

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153- Junhua Wu, Yue Fu and Guangshun Li: RMG-PBFT: A Consensus Mechanism Based on Reputation and Random Matching for Medical Device Traceability

**Session C8: Collaboration Technology Applications in Healthcare and Homecare (3)**

299- Tianyang Li, Yuhong Nie and Hongfeng Li: MRFNet: Pulmonary Nodule Detection Enhanced by Multi-Strategy YOLO-Based Approach

405- Mengke Zhang, Xiaohong Li, Jie Zhang, Zhe Hou, Guangdong Bai and Ruitao Feng: SwiftGuard: Enhanced Privacy and Efficiency in Blockchain-Based Fine-Grained Access Control for Cross-Domain Healthcare Collaboration

52- Lei He, Song Wang and Tong Wu: IEDA4Med: Iterative EDA Method for Medical Examination Data Based on Diagnostic Text

15- Huijuan Hao, Wenpeng Wang, Yu Chen, Qingyan Ding, Fengqi Hao, Hu Zhang and Jinqiang Bai: Interactive Medical Image Segmentation in Various Imaging Modalities: Current Status and Challenges

17- Zhixin Li, Xiaoming Wu, Chunlin Zhao, Yu Song and Xiangzhi Liu: PoseConv3D-TAFI: Skeleton Action Recognition Using Frame Interrelations in Conv3D

201- Yunze Bi, Jiayi Xie and Hongwei Wang: Contrastive Learning-Based Feature Modulation Strategy for Test-Time Adaptation in Medical Image Segmentation

**Session C9: Collaboration Technology Applications in Social Networks and Entertainment (1)**

216- Haoyu Guo, Jingya Zhou and Zhuoyang Liu: MACRec: A Meta-learning Enhanced Model for Academic Collaborator Recommendation

285- Jianjun Xia, Dingguo Gao, Qijun Zhao, Songtao Xu and Te Shen: CAM-YOLO: A Multi-scale Cultural Element Detection Network for Thangka Images

386- Guanqi Wang, Ziqiang Ma and Li Miao: BERT-RCNN-SE: A Fine-grained sentiment analysis model for social media text comments

483- Zhengling Zhang, Liping Ma and Haiyan Zhang: Graph Contrastive Recommendation Algorithm Based on Multimodal Feature Fusion

191- Boyang Liu, Lin Liu and Chenxu Wang: Social Network Classification Based on Adaptive Structure-Alignment Federated Graph Learning Framework

120- Chenxi Yang, Hui Wang, Xi Zhou, Hongyue Zhang, Jizhong Han and Xiaodan Zhang: A Generative Approach for Alleviating Filter Bubbles in Collaborative Filtering

**Session C10: Collaboration Technology Applications in Social Networks and Entertainment (2)**

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