

ICNSC 2025 — Full Conference Program

All times are local (Europe/Helsinki). Each presentation is 15 minutes.

October 01, 2025

- **08:00 - 16:00** — Registration (Tellus - Stage)
- **09:00 - 09:30** — Opening Session (Tellus - Stage)
- **09:30 - 10:30** — Plenary Speech — Building Robust, Fair, and Responsible AI for a Secure Future (Prof. Ketan Kotecha, Symbiosis International University, India), Tellus - Stage
- **10:30 - 11:00** — Coffee Break (Tellus - Stage)
- 11:00 - 12:30 — Technical Session

Time	Room	Paper ID	Paper Title	Authors	Mode
11:00 - 11:15	Tellus - Stage	59	Collision Avoidance Control for Autonomous Heavy Haul Trains	Yufei Yan Junliang Dong Qi Wang Yang Liu Dong Xie Ming Chai	In Person
11:15 - 11:30	Tellus - Stage	69	Effect of Skin Surface Temperature on Tonic Vibration Reflex and Kinesthetic Illusion of Upper-Limb Muscles to Control Robotic Rehabilitation Systems	Naoto Matsuda Satoshi Nishikawa Kazuo Kiguchi	In Person
11:30 - 11:45	Tellus - Stage	72	Optimizing Postoperative Imaging Decisions in Hydronephrosis: A Machine Learning Approach to Class Imbalance	Zibo Yu Hao Yin Qi Kang	In Person
11:45 - 12:00	Tellus - Stage	77	Machine Learning-Based Research for Safety Data Network Anomaly Detection	Yefei Luo Jian Wang Fei Du Xingtao Zhou	Online
12:00 - 12:15	Tellus - Stage	80	Generative Data Augmentation for Transaction Fraud Detection via Temporal Behavioral Sequences	Yu Xie Songwei Feng Jiamin Yao	In Person

Time	Room	Paper ID	Paper Title	Authors	Mode
12:15 - 12:30	Tellus - Stage	83	Carbon-Aware Adaptive Routing Protocol with Real-Time Traffic Information for Cyber-Physical Internet Networks	Infix Li Chenglin Yu Yuchen Wang Hang Wu Ming Li Hongxia Yang	In Person
11:00 - 11:15	Tellus - Galaxy	3	Adaptive Step-Size Strategies for Enhanced Global-Local Optimization in Industrial Manipulator Calibration	Yongtao Qu Zhiqiang Li Xun Deng Linlin Chen Jia Liu Peiyang Wei Jianhong Gan Yonghong Deng Tinghui Chen Zhibin Li Wen Qin Qifeng Su	Online
11:15 - 11:30	Tellus - Galaxy	6	A Probabilistic Scheme for Lifetime Prognostics of Lithium-ion Batteries Using Stochastic Modeling and Approximated Monte-Carlo Filter	Haonan Chen Guangzhong Dong Jingwen Wei Chunlin Chen	In Person
11:30 - 11:45	Tellus - Galaxy	10	Multi-UAV Path Planning in Complex 3D Terrain Using Genetic-Enhanced Nutcracker Optimization	Xiao Dou Cheng Gao Qi Kang	In Person
11:45 - 12:00	Tellus - Galaxy	13	Human-Agent Collaborative Wargame Decision-Making via Reinforcement Learning	Sirui Li Xuan Yang Zizhuo Xuan Xianzhong Zhou Liang Geng Yuxiang Sun	Online
12:00 - 12:15	Tellus - Galaxy	16	Enhancing Salesforce AI Predictions with Adaptive Conformal Uncertainty Quantification	Sanjay Gorantla	TBD
12:15 - 12:30	Tellus - Galaxy	23	AI-Driven Influencer Marketing: Optimizing Product Recommendations for Digital Engagement	Tejas Varma Venkataswamy	TBD

Time	Room	Paper ID	Paper Title	Authors	Mode
11:00 - 11:15	Tellus - Horizon	4	GDPP: A Novel Algorithm for UAV Delivery in Smart Communities	Yun Zhu Zhenyu Yin Jianyu Wang Yaqing Li	TBD
11:15 - 11:30	Tellus - Horizon	7	OrganRcnn: Instance Segmentation of Intestinal Organoid Images	Yuhang Yang Xi Zhou Zhibin Li Weitong Xing	Online
11:30 - 11:45	Tellus - Horizon	11	Frequency-Aware Multi-Modal Fusion for Sea Surface Temperature Prediction	Ruijing Sun Kefan Wang Qi Kang	In Person
11:45 - 12:00	Tellus - Horizon	14	A neural network model optimized by a joint evolutionary algorithm for water body recognition	Peiyang Wei Ji Zhang Zhibin Li Tinghui Chen	Online
12:00 - 12:15	Tellus - Horizon	19	Stock market prediction using gru	Vedhadharshini R	TBD
12:15 - 12:30	Tellus - Horizon	24	Research on Task Allocation Problem of Shuttle-based Storage Systems with Transfer Cars	Letian Liang Weimin Wu Junjie Sun	In Person

- **12:30 - 13:30** — Lunch (Tellus - Stage)

13:30 - 15:00 — Technical Session

Time	Room	Paper ID	Paper Title	Authors	Mode
13:30 - 13:45	Tellus - Stage	2	A Multi-AGV Path Planning and Deadlock Avoidance Strategy for Automatic Warehouses Considering Historical Path Data	Tingqi Zhang Weimin Wu Shuo Wang Letian Liang	In Person
13:45 - 14:00	Tellus - Stage	5	An Adaptive L1-and-L2-Normed Latent Factorization of Tensors Model for Imputing Water Quality Monitoring Data	Xuke Wu Lan Wang Mao Chentao Kun Shan Bing Yang Mingsheng Shang	Online

Time	Room	Paper ID	Paper Title	Authors	Mode
14:00 - 14:15	Tellus - Stage	9	Research on Data-Driven Urban Energy Consumption Governance under Dual Carbon Targets--Chengdu City as an Example	Qifeng Su Boxiang Jiang Jiayi Zeng Yuhang Chi Xun Deng Zhibin Li	Online
14:30 - 14:45	Tellus - Stage	12	MCE-ERL:Evolutionary reinforcement learning algorithm with Multi-distribution Critics Evaluation	Zuohao Wu Guang Li Zihao Li Hongyu Ao Mingsheng Shang	Online
14:45 - 15:00	Tellus - Stage	15	Makespan Minimization of Photolithography Machines in Semiconductor Manufacturing	Liangchao Chen Yan Qiao Wensen Jiang Siwei Zhang Naiqi Wu Simian Cai	In Person
12:15 - 12:30	Tellus - Stage	20	The Digital Transformation Today and in the Next 20 Years	Fabrice Teuguia	TBD
13:30 - 13:45	Tellus - Galaxy	31	Optimizing Construction Site Resources Under Uncertainty Through Stochastic Simulation and Advanced Scheduling Techniques	Chen Liu Haoqian Du Yixiao Ren Aquil Mirza Mohammed	In Person
13:45 - 14:00	Tellus - Galaxy	34	Forecasting Population Trends and Socioeconomic Impacts in Asian Tiger Economies Using Stochastic and Machine Learning Models	King For On Kong Sing Hu Chun Hin Liu Aquil Mirza Mohammed	Online

Time	Room	Paper ID	Paper Title	Authors	Mode
14:00 - 14:15	Tellus - Galaxy	37	MERIT: A Clinical Decision Support System Framework for Merging Multi-perspective Machine Learning Model Insights	Nirzor Talukder Satu Tamminen Anusha Ihalapathirana Gunjan Chandra Juha Rönning Pekka Siirtola	In Person
14:15 - 14:30	Tellus - Galaxy	48	A Water Quality Prediction Model Based on Low-Rank Multimodal Fusion Patch Transformer	Xiankun Shi Junqi Zhang Yibo Li Ziqi Wang Renen Wu Jing Bi	Online
14:30 - 14:45	Tellus - Galaxy	54	MIMO-Inspired Real-Time Scheduling of Port Transport Equipment: A Simulation-Optimization Approach Incorporating Reinforcement Learning	Sihang Zhu Wenfeng Li Lei Cai Lijun He Wenjing Guo Huixian Fan	Online
14:45 - 15:00	Tellus - Galaxy	57	Research on Path Planning of Intelligent Inspection Robots Based on ACO-SA	Wei Li Zhibin Li Peiyang Wei Linlin Chen Xun Deng Xinyuan Zhang Jianhong Gan Yonghong Deng	Online
13:30 - 13:45	Tellus - Horizon	32	AI-Driven Human-Wildlife Conflict Mitigation System in Wayanad, Kerala	Renju John Melvin Aji Nikhil S	Online

Time	Room	Paper ID	Paper Title	Authors	Mode
13:45 - 14:00	Tellus - Horizon	35	Oscillatory Neural Networks for AI Applications in Drones	Neesanth Murugesh Burak Tanyeri Bram F. Haverkort Aida Todri-Sanial	In Person
14:00 - 14:15	Tellus - Horizon	38	mAPO: A modified Artificial Protozoa Optimizer for Solving Global Optimization	Abdelazim Hussien Adrian Pop	In Person
14:15 - 14:30	Tellus - Horizon	52	Weighted Least-Squares Multi-Detection Fusion and Kalman Filter-Based Tracking for Collaborative Perception Systems	Maryem Fadili Louis Lecrosnier Redouane Khemmar Steve Pechberti	In Person
14:30 - 14:45	Tellus - Horizon	55	The Role of Touch: Towards Optimal Tactile Sensing Distribution in Anthropomorphic Hands for Dexterous In-Hand Manipulation	João Damião Almeida Egidio Falotico Cecilia Laschi José Santos-Victor	In Person
14:45 - 15:00	Tellus - Horizon	58	Deep Reinforcement Learning based Conflict Resolution Method for AGV System in Automated Container Terminal	Chengjun Guo Wenfeng Li Lijun He Cong Gao	Online

- **15:00 - 15:30** — Coffee Break (Tellus - Stage)

15:30 - 17:00 — Technical Session

Time	Room	Paper ID	Paper Title	Authors	Mode
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Time	Room	Paper ID	Paper Title	Authors	Mode
15:30 - 15:45	Tellus - Stage	27	Energy-Efficient and High-Accuracy AIoT Visual Sensing Using K-Vote, Transfer-Spiking Net, and Reconstructive Classifier	Kent Max Chandra Cheuk Tung George Char Lucas Pazo Recio Youkang Albert Wang Aquil Mirza Mohammed	In Person
15:45 - 16:00	Tellus - Stage	33	A New Hybrid Learning-Control Strategy for Trajectory Tracking of USV	Ruxia Zhu Xiangyuan Jiang	Online
16:00 - 16:15	Tellus - Stage	36	Design and Application of Autonomous Perception Systems for Unmanned Excavators	Di Gesen Zhang Jianlin Geng Jiabao Yan Song Wang Kaiqiang Sun Qing Song Wanpeng Xu Dong	Online
16:15 - 16:30	Tellus - Stage	41	Some Limitations of Structure-based Methods for Deadlock Detection Problems of S4PR	Yue Su Mengchu Zhou Remigiusz Wiśniewski Liang Qi Shouguang Wang	In Person
16:30 - 16:45	Tellus - Stage	53	AGRI ACCESS: Simplifying Seamless Sales for Farmers and Freshfood access for Buyers by using Room Database Prototype with Mobile Tech	Patan Feridoz Khan	TBD

Time	Room	Paper ID	Paper Title	Authors	Mode
16:45 - 17:00	Tellus - Stage	56	An early termination strategy for the distributed biased min-consensus protocol under disturbances	Zicheng Huang Wangzhi Zhou Yuanqiu Mo	In Person
15:30 - 15:45	Tellus - Galaxy	63	Short Text Topic Recognition Based on Contrastive Learning and Large Language Models	Mingkun Yuan Junxiu An	Online
15:45 - 16:00	Tellus - Galaxy	70	SFTCN: Scale Fusion Temporal Convolutional Network for Time Series Forecasting	Leya Feng Xin He Yun Zhu Zhongning Ding Jianyu Wang	In Person
16:00 - 16:15	Tellus - Galaxy	73	Research on Coupling Task Scheduling for Four-Way Shuttle-Based Systems	Junjie Sun Weimin Wu Zhengchen Li	In Person
16:15 - 16:30	Tellus - Galaxy	78	An Automatic Driving Control Approach for Heavy-Haul Trains Based on PER-DDQN	Meiling Xie Rong Gao Xinyi Zhang Feng Luan Haoyuan Liu Hongjie Liu Ming Chai	In Person
16:30 - 16:45	Tellus - Galaxy	81	Cyclic Analysis of Collaborative Scheduling for Load Lock Modules in Cluster Tools with Equipment Front-End Module	Weifeng Sheng Chunrong Pan Wenqing Xiong	Online

Time	Room	Paper ID	Paper Title	Authors	Mode
16:45 - 17:00	Tellus - Galaxy	84	An Improved Seagull Optimization Algorithm for the Hybrid Disassembly Line Balancing Problem with Worker Workload Consideration	Qi Zhang Shaokang Dai Xiwang Guo Liang Qi Jiacun Wang Shujin Qin Weitian Wang Bin Hu Changtian Zhang	Online
15:30 - 15:45	Tellus - Horizon	64	A Framework for Emergency Situational Awareness: Formal Representation, Modeling and Validation	Zhaoquan Zhu Xianzhong Zhou Yuxiang Sun	Online
15:45 - 16:00	Tellus - Horizon	71	A Novel Recurrent Input Shaping with Particle Filter-calibrated Parameter for Robust Vibration Control	Weiyi Yang Hao Wu Shuai Li	In Person
16:00 - 16:15	Tellus - Horizon	76	A Method for Generating Elevator Detection Video Texts Based on Semantic Recognition	Hongyi Chen Yuhui Peng Yixiang Yuan Zhanbin Zhang Yujie Chen Jianhong Gan	Online
16:15 - 16:30	Tellus - Horizon	79	FLOAT: Flood-Aware Trajectories for Modeling the Time-Dependent Evacuation Routing with Risk Consideration: A Case in Marikina City, Philippines	Jazzie Jao Edgar Vallar Ibrahim Hameed Marlon Era Yiliu Liu	In Person

Time	Room	Paper ID	Paper Title	Authors	Mode
16:30 - 16:45	Tellus - Horizon	82	Wafer Delay and Cycle Time Minimization for Single-Arm Cluster Tools with Activity Time Variation Using NSGA-II and TOPSIS	Shan Zeng Yan Qiao Siwei Zhang Simian Cai Naiqi Wu	In Person
16:45 - 17:00	Tellus - Horizon	85	Toward a Next-Generation Data Center Management System: Enabling Application-Aware Integration	Hussain Kahil Talal Saleh Petri Valisuo	In Person

October 02, 2025

- **08:40 - 13:20** — Guided Tour to Koiteli
- **14:00 - 17:00** — Registration (Tellus - Stage)
- **14:00 - 15:00** — Plenary Speech — Combinatorial optimization: Scientific issues and applications in real-life production systems and supply chains (Prof. Chengbin Chu, Université Gustave Eiffel, ESIEE Paris & COSYS-Grettia, France), Tellus - Stage
- **15:00 - 15:30** — Coffee Break (Tellus - Stage)
- 15:30 - 17:00 — Technical Session

Time	Room	Paper ID	Paper Title	Authors	Mode
15:30 - 15:45	Tellus - Stage	86	Optimizing Digital Marketing in Small Businesses with Machine Learning based Sentiment Analysis	Man Raja	TBD
15:45 - 16:00	Tellus - Stage	89	Behavioral Profiling and Machine Learning Approaches for Securing IoT Networks in Smart Cities	Koc Vincent	TBD
16:00 - 16:15	Tellus - Stage	92	IoT-Enabled Sleep Monitoring and Cognitive Assessment for Evaluating Teacher Well-Being	Anwar Ahmed Khan Ishrat Shehzadi Indrakshi Dey	TBD

Time	Room	Paper ID	Paper Title	Authors	Mode
16:15 - 16:30	Tellus - Stage	95	Improved Fireworks Algorithm for Multi-Skill Robot Multi-Objective Hybrid Disassembly	Yujie Feng Xiwang Guo Liang Qi Jiacun Wang Weitian Wang Shujin Qin Bin Hu Xu Wang	Online
16:30 - 16:45	Tellus - Stage	98	How Are You Feeling?: Characterization and Analysis of Human Factors in Multi-Human Multi-Robot Collaborative Tasks	Garrett Modery Michelle Zhu Amy Tuininga Weitian Wang	Online
16:45 - 17:00	Tellus - Stage	102	Beyond Black Boxes: Trustworthy and Energy-Efficient IoT Systems for Extended Lifespan and Reduced Bias in Remote Health Monitoring	Constantino Álvarez Casado Mehdi Safarpour Le Nguyen Jacob Cabaleiro Sasan Sharifipour Praneeth Susarla Manuel Lage Cañellas Abhishek Kumar Matteo Pedone Miguel Bordallo Lopez	In Person
15:30 - 15:45	Tellus - Galaxy	87	An Integrated Approach for Measuring Customer Experience across Digital Touch-points	Man Raja	TBD
15:45 - 16:00	Tellus - Galaxy	90	Low-Latency Distributed Intrusion Detection for Smart Homes via Federated Edge Intelligence	See Mul	TBD
16:00 - 16:15	Tellus - Galaxy	93	Traffic-Aware Delay Optimization for Critical and Non-Critical Data in VANETs	Anwar Ahmed Khan Indrakshi Dey	TBD

Time	Room	Paper ID	Paper Title	Authors	Mode
16:15 - 16:30	Tellus - Galaxy	96	Modeling and Analysis of Medical Resource Allocation Between Multiple Resources and Multiple Activities	Wei Liang Shilin Wen Xiaonning Wu Qi Li Junwei Wang Wenjie Liu	In Person
16:30 - 16:45	Tellus - Galaxy	100	Development of a 6-DoF Robotic Manipulator with Smart Actuators and Real-Time Inverse Kinematics	Zuyan Chen Zhendai Huang Yu Gan Fei Hu Juha Roning Shuai Li	In Person
16:45 - 17:00	Tellus - Galaxy	103	Balancing Latency and Energy: A Hybrid Geometric Method for Leader Drone Positioning in IoT-Enabled Smart Cities	Saeid Sheikhi Aref Amiri Amirhossein Ghaffari	In Person
15:30 - 15:45	Tellus - Horizon	88	Enhancing Intrusion Detection Systems Using RNN and CNN Architectures on Network Traffic Data	Koc Vincent	TBD
15:45 - 16:00	Tellus - Horizon	91	Novel Approach to Data Anonymization and Privacy-Preserving Data Sharing in Smart Homes	See Mul	TBD
16:00 - 16:15	Tellus - Horizon	94	ADP2-MAC: A Next Generation Multiple Access MAC for Prioritized Heterogeneous Traffic	Shama Siddiqui Indrakshi Dey	TBD
16:15 - 16:30	Tellus - Horizon	97	Efficient Algorithm for Secure State Estimation Using Adam Optimizer and ADMM	Yanqiong Zhao Yinyan Zhang Shuai Li	Online
16:30 - 16:45	Tellus - Horizon	101	Model Distillation in Federated Learning for Human Action Recognition	Leevi Enontekiö Masud Fahim Jani Boutellier	In Person
16:45 - 17:00	Tellus - Horizon	104	A Computational Framework for Estimating Visual Field Loss Effects on Driving Object Detection	Chokiu Leung Yingzhi Zhang Hitesh Pandya Tiago Rodrigues Makoto Itoh	In Person

- **19:00 - 21:00** — Banquet Dinner (Radisson Blu Hotel)

October 03, 2025

- **08:00 - 16:00** — Registration (Tellus - Stage)

- **09:30 - 10:30** — Plenary Speech — Safety and Security Protection for Future Industrial Internet of Things (Prof. Shuanghua Yang, Guangzhou Nanfang College, China), Tellus - Stage

- **10:30 - 11:00** — Coffee Break (Tellus - Stage)

11:00 - 12:30 — Technical Session

Time	Room	Paper ID	Paper Title	Authors	Mode
11:00 - 11:15	Tellus - Stage	105	Ground Segmentation Method Based on Polar Grid for 3D LiDAR Point Cloud	Katrina Tupule Maksis Celitans Kaspars Ozols	TBD
11:15 - 11:30	Tellus - Stage	108	FusionNet-GLD: A Dual-Backbone CNN Model Combining Xception and Inception for Grape Leaf Disease Recognition	Narasimha Reddy Kandi Shafia Zainab Syed	TBD
11:30 - 11:45	Tellus - Stage	111	Reinforcement Learning Inspired Genetic Algorithm for Solving Global Optimisation Problems	Andrew Brown Li Zhang Piyushkumar Banugariya	TBD
11:45 - 12:00	Tellus - Stage	114	pH and Turbidity: Multi-Parameter Water Quality Monitoring Using Edge-Integrated Sensing Platforms	Suneetha Mothe Keerthisree Alajangi Thanmai Katari Vineela Sonti	TBD
12:00 - 12:15	Tellus - Stage	117	Real-time accelerator design for lossless compression of 1D data	Marko Melnyk Rihards Novickis	TBD

Time	Room	Paper ID	Paper Title	Authors	Mode
12:15 - 12:30	Tellus - Stage	120	A Hybrid VADER-XGBoost Model for Accurate Mobile Application Rating Forecasting	Justin Li	Online
11:00 - 11:15	Tellus - Galaxy	106	Federated Knowledge Distillation under Non-IID Data for Intelligent Edge Systems	K H M Burhan Uddin Constantino Alvarez Casado Saurabh Sharma Le Nguyen Joydeep Chandra Petri Ihantola Miguel Bordallo Lopez Abhishek Kumar	In Person
11:15 - 11:30	Tellus - Galaxy	109	A Behavioral Drift-Aware Generative Adversarial Network for Financial Transaction Fraud Detection	Yu Xie Zhanchao Wang Jiamin Yao Mengchu Zhou	In Person
11:30 - 11:45	Tellus - Galaxy	112	INTELLIGENT PEST CLASSIFICATION AND REMEDY RECOMMENDATION SYSTEM USING VISION TRANSFORMERS AND DOMAIN-AWARE SUMMARIZATION	Satwika Jahnavi Chakka Sireesha Moturi Mounika Naga Bhavani Meduri Thrisony Gayam Jahnavi Kappa	TBD

Time	Room	Paper ID	Paper Title	Authors	Mode
11:45 - 12:00	Tellus - Galaxy	115	An approach to hardware-accelerated quantum sensing based on NV centers in diamonds	Andrejs Cvetkovs Rihards Novickis Gatis Supols	TBD
12:00 - 12:15	Tellus - Galaxy	118	Depth-Aware RGB and IR Image Alignment Using ToF-Based Homography Interpolation	Roberts Treize	In Person
12:15 - 12:30	Tellus - Galaxy	121	IA-MoE: An Intensity-Aware Mixture of Experts for DNN Inference	Meiyan Zeng Sasu Tarkoma Xiaoli Liu	TBD
11:00 - 11:15	Tellus - Horizon	107	Evaluation of the instrumental uncertainty of Microsoft HoloLens 2 for hands-free distance measurements in Industry 5.0	Leopoldo Angrisani Mauro D'Arco Egidio De Benedetto Luigi Duraccio Shuai Li Fabrizio Lo Regio Michele Sansone Annarita Tedesco	In Person
11:15 - 11:30	Tellus - Horizon	110	A Boundary-Guard Generative Adversarial Network for Financial Transaction Fraud Detection	Zhanchao Wang Honghao Zhu Yu Xie Jiamin Yao	In Person
11:30 - 11:45	Tellus - Horizon	113	CONTRASTIVE LEARNING: A DEEP LEARNING FRAMEWORK FOR REVIEW-BASED KNOWLEDGE GRAPHS	Soma Sekhar Kolisetty Rajeswari Makkena Sumaya Shaik	TBD

Time	Room	Paper ID	Paper Title	Authors	Mode
11:45 - 12:00	Tellus - Horizon	116	UAV Trajectory Tracking and Control Using Adaptive Particle Swarm Optimized Backstepping Sliding Mode Control for Aerial Inspections	Ejaz Ahmed Hazrat Bilal Xiaopin Zhong Ming Wen Yibin Tian	Online
12:00 - 12:15	Tellus - Horizon	119	A Comparative Analysis of Task Allocation Strategies for Resource-Constrained Multi-Agent Drone Swarms in Wildfire Response	Huan Vo Constantino Alvarez Casado Abhishek Kumar Satu Tamminen Petri Ihantola Miguel Bordallo Lopez Le Nguyen	In Person
12:15 - 12:30	Tellus - Horizon	122	Energy-optimized and Delay-ensured Task Offloading in High-mobility Vehicle Edge Computing Networks	Ziyue Zheng Haitao Yuan Jing Bi Jia Zhang Mengchu Zhou	Online

- **12:30 - 13:30** — Lunch (Tellus - Stage)

13:30 - 15:00 — Technical Session

Time	Room	Paper ID	Paper Title	Authors	Mode
13:30 - 13:45	Tellus - Stage	123	Automatic and Efficient Test Case Generation with High-diversity and Global-search Particle Swarm Optimization	Yuchen Zhao Haitao Yuan Jingyao Li Ziyue Zheng Jing Bi Jia Zhang Mengchu Zhou	Online

Time	Room	Paper ID	Paper Title	Authors	Mode
13:45 - 14:00	Tellus - Stage	126	A Varying-Parameter Neural Dynamics for Lyapunov Equation With Its Kinematic Robot Application	Kong Ying Sun Shaoyuan Junjie Hao	In Person
14:00 - 14:15	Tellus - Stage	129	Optimal Cyclic Scheduling of Dual-arm Cluster Tools with Residency Time Constraints and Wafer Processing Priority	Jufeng Wang Chunfeng Liu Mengchu Zhou	Online
14:15 - 14:30	Tellus - Stage	132	Dual-Pass Autoencoder: Tackling Temporal Drift in Time Series Anomaly Detection	Mohammadhossein Ghahramani Mengchu Zhou	In Person
14:30 - 14:45	Tellus - Stage	135	Modeling the Effect of Angular Velocity on Volleyball Serve Accuracy through the Magnus Effect	Ethan Yang Xiwang Guo	TBD
13:30 - 13:45	Tellus - Galaxy	124	Hybrid Resampling-Driven Deep Learning Architecture for Cardiovascular Risk Stratification	Adi Lakshmi Thogati Harini Sunkara Sadarani Sattenapalli Venkata Reddy Dodda	TBD
13:45 - 14:00	Tellus - Galaxy	127	Autoencoder-aided Bi-level Evolutionary Algorithm to Solve Energy-Minimized Task Scheduling Problems of Cloud Computing	Yongsheng Dai Hao Shi Chengran Lin	Online
14:00 - 14:15	Tellus - Galaxy	130	Supervisory Control of Cyber-Physical Systems under Periodic Sensor-Reading Modification Attacks	Wenli Duo Mengchu Zhou Shouguang Wang Hao Dou	TBD
14:15 - 14:30	Tellus - Galaxy	133	Lexicographic Bi-objective Scheduling for a Hot Rolling Production System under Time-of-use Electricity Tariffs	Fengyi Zhao Yumeng Ye Zikuo Bian Ziyan Zhao Zezheng Feng	In Person
13:30 - 13:45	Tellus - Horizon	125	Decoupling Analysis of Carbon Emissions and Economic Growth in the Power Sector	Congcong Mu Jingyu Fan Zhenkun Wang Yujing Xue Pengsheng Liu Hailiang Zhao	Online

Time	Room	Paper ID	Paper Title	Authors	Mode
13:45 - 14:00	Tellus - Horizon	128	Manipulating Business Intelligence Tools for Actionable Big Data Insights: A Framework for Enterprise Decision-Making	Mohammad Al Khaldy Faisal Aburub Mohammad Alauthman	In Person
14:00 - 14:15	Tellus - Horizon	131	Strategic Policy Design for Cryptocurrency Mining Ecosystems: A Digital Twin System Dynamics Approach to Environmental and Regulatory Sustainability	Mohammad Rahai Davood Hosseinpour Sajjad Mazaherizadeh Hossein Akbarpour	TBD
14:15 - 14:30	Tellus - Horizon	134	Development of an Intelligent Assistance System Based on Cognitive Load and Situational Awareness Principles	Yawen Tang Yanshen Ying Mingbo Guo Zuzhen Ji Shuang-Hua Yang	In Person

- **15:00 - 15:30** — Coffee Break (Tellus - Stage)
- **15:30 - 16:30** — Closing Session (Tellus - Stage)