PROGRAM AT A GLANCE

Conference Date: Oct 16-18, 2025
Address: Sheraton Hotel, No 36 Le Duc Tho, My Dinh, Hanoi

Time	Contents	Details	Room
Oct 16, 2025			
7:30 –8:45	Registration	Hanoi University of Industry	
8:45 –8:50	MC Introduction	Hanoi University of Industry	
8:50 –8:55	Opening Speech from REV	Dr. **Tran Duc Lai** - President of REV	**Elite Ball Room**
8:55 –9:00	Welcome Speech from HaUI	Vice Rector **Pham Van Dong** – HaUI	
9:00–9:05	Welcome and Remarks Speech from MOST	Vice Minister of Science and Technology	
9:05 –9:10	**Gift presentation and souvenir photo**		
9:15 –9:50	Keynote speaker #1: Automatic Meeting Transcription with Distant Microphones	Prof. **Reinhold Haeb-Umbach**; Communications Engineering at Paderborn University, Germany	
9:50 – 10:20	Coffee break		
10:20 – 11:10	Keynote speaker #2: The Interplay of Sensing, AI, ESIT, and NTN for 6G Beyond Just Communications	Prof. **Aryan Kaushik** Chief Innovation Officer (CIO) at the RakFort, Ireland	
11:10 – 12:00	Keynote speaker #3		
12:00	**Lunch**		
PARALLEL SESSIONS			
Morning 17, 18/10			
8:00-9:45	Presentation paper #1, #2, #3, #4, #5	**Session chairs and authors**	
9:45-10:00	Coffee Break		
10:00-11:45	Presentation paper #1, #2, #3, #4, #5	**Session chairs and authors**	
12:00	Lunch		
Afternoon 16, 17 /10			
13:30-15:15	Presentation paper #1, #2, #3, #4, #5	**Session chairs and authors**	
15:15-15:30	Coffee Break		
15:30-15:45	Presentation paper #1, #2, #3, #4, #5	**Session chairs and authors**	
18:00	Gala Dinner **(16/10/2025)**		

DETAIL PARALLEL SESSIONS

	Title	Authors	Note
13:30-15:00	**A1: Antentas and Propagation (Chairs: Dr. Ta Son Xuat; Dr. Nguyen Thi Phuong Thao)**		
	A Dual-Polarized Patch Array Antenna Using Series-Feed for Point-to-Point Communications	Hai Nam Le; Hai Dang Le; Nguyen Khac Kiem; Son Xuat Ta	
	Design and Development of a Beamforming Antenna Array System for Wi-Fi 7 Applications	Hung Viet Nguyen; Luong Nguyen	
	Metaheuristic-Based Unknown Interference Suppression for Advanced Antenna Systems	Trang Thi Le; Van Cuong Nguyen; Thao Hoang Thi Phuong; Van Luyen Tong	
	A Dual-Band Circularly Polarized Quasi-Self-Complementary Antenna with AMC Reflector for Wi-Fi Application	Hien Thi Ngoc Doan; Khai Chu Quang	
	Multi-Port Circularly Polarized Antenna for MIMO Communication	Nguyen Tran; Thai Dinh Nguyen; Phuong Kim-Thi; Tu Le-Tuan	
	C1: Communications (Chairs: Assoc.Prof. Nguyen Huu Phat; Dr. Phan Thi Thu Hang)	**Authors**	**Note**
	Neural Network-Based Information-Theoretic Transceivers for High-Order Modulation Schemes	Ngoc Long Pham; Tri Nhu Do	
	FPGA Design and Implementation of BCH Encoders and Decoders Using Pipelined Architecture for High Throughput Applications	Thuan Le Van; Nam Van Dinh	
	Modeling Brushless Motors in Small UAVs for 5G-Edge Communications	Phat Huu Nguyen; Bao Nguyen Quoc; Bach Hoang Xuan; Dung Hoang Tuan; Duong Nguyen Canh	
	Feature Fusion and Knowledge-Distilled Multi-Modal Multi-Target Detection	Ngoc Tuyen Do; Tri Nhu Do	
	Constellation Designs for Performance Improvement of Multi-Stream Spatial Modulation	Minh-Tuan Le; Thu-Hang Nguyen; Hieu Nguyen; The-Vinh Nguyen	
	E1: Electronics (Assoc.Prof. Duong Minh Duc. Dr. Luong Cong Duan)	**Authors**	**Note**

	Hybrid CNN-Random Forest Approach for Accurate and Deployable Fall Detection on Embedded Systems	Duan Luong-Cong; Ngoc Minh Nguyen; Cao Dung Truong; Linh T. T. Tran	
	Performance Enhancement of Position Controller for Gear Motor Using Linear Quadratic Regulator with Disturbance Compensator	Tien Nguyen-Minh; Hoai-Linh T. Nguyen; Hoang Nguyen-Minh; M. H Hoang	
	A Comparative Study of Anomaly Detection Approaches in Time-Series Environmental Sensor Data	Ly-Huynh Phan; Chi Minh Hieu Nguyen	
	Enhancing Sliding Mode Control for a Mobile Patient Lifting Device	Ly Tong; Thanh V D; Thanh Phuong Tran; Minh Duc Duong	
	A Hybrid 2D-3D Space Vector Modulation for Four-Phase Four-Leg Voltage Source Inverters	Do Duy Hiep; Hieu Nguyen	
15:00-15:30	**Coffee break**		
15:30-17:00	**A1: Antentas and Propagation (Chairs: Assoc.Prof. Duong Thi Thanh Tu; Dr. Nguyen Minh Tran)**	**Authors**	**Note**
	A Compact Design of MIMO Antenna Using Quarter-Wavelength Patch and Defected Ground Structure for IoT Applications	Trang Hoang-Thi-Thu; Hung Pham-Duy; Nguyen Viet Chien; Hung Huy Tran	
	Optimal Strand Diameter and Resonant Frequency for Litz Coils in Wireless Power Transfer Systems	Hiep Pham Van; Dung Nguyen Viet; Tung Nguyen Minh; Hung Pham Manh; Thao Hoang Thi Phuong; Dinh Van Linh	
	A Dual-Band Printed Inverted-F Antenna for Smart-Card-Sized IoT Devices	Lan Thi Tran; Lam Phi; Xuan Thi Dang; Thuc Quoc Nguyen; Thi Thu Thuy Pham; Rohani Bakar	
	An Ultra-Wideband Microstrip Antenna Using Multiple Resonance Modes for B5G Applications	Duy N. N. Dang; Tran Thi Thuy Quynh; Nguyen Minh Tran; Thanh Huu Nguyen	
	Movable Antennas for Enhanced Secrecy in Integrated Sensing and Communication Systems	Huy T. Nguyen; Hung T. Hoang; Hieu X. Nguyen; Nguyen Tien Hoa	
	C2: Communications (Chairs: Assoc.Prof. Pham Thanh Hiep; Dr.Tu Lam Thanh)	**Authors**	**Note**
	Optimal Resource Allocation for OIRS-Assisted Non-Terrestrial Network with Multiple UAVs	Dung Tran; Hien Pham; Thang Nguyen; Ngoc Dang	
	Performance Enhancement of Short-Packet Communication-Based Multi-Hop Relaying	Huynh Van Hoa; Ngo Hoang An; Minh Xuan Pham; Nguyen Binh	

	Scheme Using NOMA and Cooperative Communication		
	On Performance Evaluation of Intelligent Reflecting Surface-Aided NOMA Systems Using Fountain Codes with Presence of Colluding Eavesdroppers	Ty Ta Vo; Hien Van Nguyen; Tran Trung Duy; Lam Thanh Tu; Ngoc Son Pham	
	Security-Reliability Trade-off for Fountain Code-Based Hybrid Satellite-Terrestrial Relay Networks with Energy Harvesting Aided Cooperative Jamming	Toan Nguyen-Van; Le Chu Khan; Do Van Viet Em; Hieu Nguyen; Ngoc Son Pham	
	A Study on anti-Periodic-Blockage Capability of Modified Walsh-Hadamard Code Division Multiplexing	Toshiharu Kojima; Shinya Sotome	
	E2: Electronics (Chairs: Assoc.Prof. Dao Quy Thinh ; Dr. Vu Trung Kien)	**Authors**	**Note**
	Development of an IoT-Based Wireless Gas Monitoring System for CO and NO_2 with Real-Time Data Visualization and Remote Firmware Update Capabilities	Tran Duc Giang; Ninh Thi Nhu Hoa; Pham Xuan Bac; Nguyen Ngoc Viet	
	Enhanced Classification of CO and NO_2 Using Temperature-Modulated MOS Sensors and Machine Learning in an Electronic Nose System	Tran Duc Giang; Ninh Thi Nhu Hoa; Pham Xuan Bac; Nguyen Ngoc Viet; Nguyen Viet Chien; Nguyen Van Hieu	
	A Reinforcement Learning Framework for Auction-Based Task Allocation in Electric Vehicles Charging Robots	Phi Long Nguyen; Duc manh Do; Truong Do	
	Frequency Stability Enhancement in Hybrid Thermal-Hydro Grids Using Structured Sliding Mode Control	Phong Thanh Tran; Tuan Van Huynh; Dieu Vo	
	Discontinuous Model Predictive Control via Optimal Voltage Vector Pre-Selection for Three-Phase Four-Leg AC-DC Rectifier	Diep Huynh-Van; Hoai-Linh T. Nguyen; M. H Hoang; Van-Hung Bui; Hoang Nguyen-Minh	

I: Integrated Circuits (Chairs: Dr. Le Xuan Luc, Dr. Le Duc Hung)	Authors	Note
Crack Propagation on Silicon Chips: a Case Study of Flexible Flip-Chip Packaging Reliability	Hoa Van Phi; nguyen Xuan Duong; Xuan Luc Le	
Development of a Novel Cu-Ag MEMS Vertical Probe for Wafer-Level Chips Probing Using Fine-Pitch Interconnection Structures	Thuong Xuan Dang; nguyen Xuan Duong; Xuan Luc Le	
Design a Homogeneous Multi-Core SoC Based on NoC with Lightweight Cryptography Cores in FPGA	Huy Hoang Trinh; Minh Khai Ma; Bao Thuong T Cao; Duc-Hung Le	
Partitioning Spiking Neural Networks Using Evolutionary Algorithms	Nam Ho; Kha Manh Hoang	
A 400mV, 3.2ppm/°C, Sub-1µW Power Consumption Bandgap Reference in 28nm CMOS	Nguyen Van Trung	
C3: Communications (Chair: Dr. Le Thi Anh;)	**Authors**	**Note**
Performance Analysis of Coded MIMO Systems Using Superposition 64-Ary Constellation with Protograph LDPC and Low-Resolution ADCs	Thang Le Nhat; Duc Hoang	
LoRA-MAEJSCC: Masked Autoencoders for Semantic Communications Using Low-Rank Adaptation	Thuy An Nguyen; Tran Ngoc Thinh; Toan-Van Nguyen; Phuong L. Vo	
Application of Double-DQL in Improving the Secrecy Performance of IRS-Aided NOMA on THz Communications	Ngan Chu-Thi; Thuc Kieu-Xuan; Nguyen Linh; Anh Le Thi	
Time-Series Based Analysis and Forecasting of Mobile Network Traffic Using Cell-Level Performance Data	Tru Trung Huynh; Nhut Nguyen; Ho Hung	
Hybrid Clustering-Voronoi Method for Enhancing WiFi-Based Indoor Positioning	Trung Vu-Thanh; Jing He; Ninh Duong-Bao; Seon-Woo Lee; Luong Nguyen Thi; Khanh Nguyen-Huu	
E3: Electronics (Assoc.Prof. Truong Xuan Tung, Dr. Nguyen Quoc Chi)	**Authors**	**Note**
A Multiphysics 3D Cutting Force Model for End Milling Considering Thermal Effects Based on Extended Oxley-Johnson-Cook Model	Duy Dang Nguyen; Pham Phuong Tung; Xuan Tran; Quoc Chi Nguyen	
Multi-Sensor Fusion for 3D Awareness in 3D Active SLAM Application	Tan Van Duong; Viet Anh Vu; Minh Dinh Do; Hoang-Anh Phan; Hung Cuong Tran	

The time slot **8:30-10:00** applies to all sessions above.

		Real-Time XGBoost-Based HAR for Elderly Monitoring Using Wearable Accelerometer and Low-Resource Microcontroller	Viet-Hoan Bui; Duc-Nghia Tran; To-Hieu Dao; An Van Tran; Pham Huy; Duc-Tan Tran	
		Cooperative Autonomous Exploration and SLAM for Multi Robot Systems on Robot Operating System	Duy Ngo Manh; Ha Thi Kim Duyen; Tien Ngo Manh; Lien Thi Bich Truong; Quang Van Nguyen; Viet Anh Vu	
		S-RRT: a Semantic-Driven Extension of the Rapidly-Exploring Random Tree Algorithm	Hung Van Nguyen; Viet-Tiep Nguyen; May Van Pham; Xuan Tung Truong	
10:00-10:30	**Coffee break**			
10:30-12:00	**M1: Microwave engineering (Chairs: Dr. Doan Thi Ngoc Hien; Dr. Luong DuyManh)**		**Authors**	**Note**
		Ultra-Broadband Metamaterial Absorber Based on Staircase Shaped Vanadium Dioxide Metasurface	Md. Anwar Hossain; Nguyen Hoang Hai	
		Efficiency Enhancement for Bidirectional Inductive Power Transfer System Using Dual Active Bridge	Quang-Thang Duong; Quoc-Trinh Vo	
		A THz Topological Cavity with Ultrahigh Quality	Huong Thi Thu Tran; Luong Duy Manh; Mai Ta; Tuan Hung Nguyen; Phuong Khac Kieu; Linh Thuy Nguyen	
		Implementation and Evaluation of 5G NR Codebook for CSI Feedback in an 8T8R Macro Cell with 4x1 Antenna Configuration	Do Trong Toan; Quy Van Dang; Hoang Truyen; Duc Nhat Nguyen; Cuong Manh Hoang; Nguyen Xuan Quyen; Thuy Minh Le	
		Design and Implementation of a Microwave Substrate Integrated Waveguide Power Amplifier in Class-J Mode	Hai Ngoc Le; Luong Duy Manh; Huong Thi Thu Tran; Linh Le Kha; Son Van Hoang	
	C4: Communications (Chairs: Dr. Huynh The Thien, Dr. Le Thi Anh)		**Authors**	**Note**
		State-Space Spectrum Sensing: the Asymmetric Multi-Scale Vision Network	Truong-Thinh Le; Truong Son; Ngoc-Ha Truong; Tan Do-Duy; Thien Huynh-The	
		An Effective Approach to Counter Quantum Attacks on Digital Signatures in Virtual Private Networks	Nha Dinh Duc Nguyen; Hung Dang Duong; Phi Long Nguyen	
		Hybrid Power-Frequency Multiple Access for SIC-Free Ambient Backscatter Communication in IoT Networks	Mui Nguyen; Sang Quang Nguyen; Anh Le Thi; Quy Hoang; Thuan Tran	

	Enhancing the Secrecy Performance of Backhaul PDNOMA Network on THz Communications with Imperfect SIC	Linh Do-Thuy; Thuc Kieu-Xuan; Nhung Tran-Phuong; Anh Le Thi	
	Adaptive Indoor Positioning Algorithm Using Spatially Diverse WiFi CSI Estimation	Tinh Doan Pham; Tuan Nang Nguyen	
	E4: Electronics **(Chairs: Assoc.Prof. Dinh Thi Thai Mai, Dr. Trinh Quang Kien)**	**Authors**	**Note**
	SmaLLaMA-a*: Lightweight Language Models for Efficient and Robust Path Planning	Nguyen Thi Thu; Nguyen Quang Huy; Quan T. Ngo; Nhat Hai Nguyen	
	Hardware Design for Abnormal Beat Detection in ECG Signal Base on Template Cluster Algorithm	Hang Thi Le Bui; Diem Thi Tran	
	Model Reference Adaptive Tracking Control Design for Vehicle Steer-by-Wire System	Tran Huy Khanh; Thanh Minh Dao; Vu Ba Tuan; Nguyen Thi Thanh Quynh; Nam Van Dinh; Thiem V. Pham	
	UWB-Based Localization and Tracking System for Indoor Mobile Robots: Integrating Least Squares Estimation and Adaptive Kalman Filter	Tan-Phong Nguyen; Ngoc-Son Ngoc Duong; Thai-Mai Dinh	
	Joint Localization and Computing Resource Optimization for Integrated Sensing and Communication Enabled UAV Networks	Dao Quang Hiep; Duc Hai Nguyen; Nguyen Van Vu; Dinh Viet Hoang; Thuan Le Van; Nguyen Cong Luong; Ngoc Hung Nguyen	
12:00-13:30	**Lunch break**		
	N1: Network **(Chairs: Assoc.Prof. Pham Thanh Hiep. Dr. Bo Quoc Bao)**	**Authors**	**Note**
13:30-15:00	Semi-Supervised Broadcast Scheduling in IoT Using Graph Convolutional Networks	Huy Anh Pham; Van Hieu Nguyen; Van-Vi Vo; Hyunseung Choo; Tien-Dung Nguyen	
	Qiskit-Enabled Simulation of Quantum Key Distribution over Starlink Satellite Networks	Takihara Yudai; Hoang Le; Cuong Trong Nguyen; Anh T. Pham	
	Secrecy Outage Performance of NOMA-Aided MIMO Relay Systems in the Presence of an Eavesdropper	Trang Thi Le; Bao Quoc Bo; Quang Van Nguyen; Phan Dang Hung; Nguyen Thi Nguyen	
	Finite Blocklength Communication Framework for MIMO NOMA Relay-Assisted URLLC Systems	Bao Quoc Bo; Trang Thi Le; Hung Viet Vu; Hien Thi Thu Bui	
	Joint Power and Position Optimization for Uplink Max-Min Throughput in Multi-UAV Assisted Small-Cell Systems Using PSO	Nguyen Thai Cuong; Pham Thanh Hiep; Nguyen Ba Nghien; Le Hai Nam	

S1: Signal Processing (Dr. Kim Đinh Thai, Assoc.Prof. Le Thi Lan)	Authors	Note
A Multimodal ML-Based Indoor Fire Detection and Alarm System Using Image Processing and IoT-Based Environmental Sensing	Tran The Son; Tran Huynh Anh Nhat; Dat Vuong	
A Lightweight and Online Skeleton-Based Human Gesture Recognition for Human-Collaborative Robot Interaction	Ha-Anh Nguyen; Quang-Tung Chu; Viet-Duc Le; Thi-Lan Le	
Compressed Video Quality Enhancement: Classifying and Benchmarking over Standards	Hoàng Văn Xiêm; Dang BuiDinh; Sang NguyenQuang; Wen-Hsiao Peng	
Touchscreen-Based Finger Identification Using Lightweight ViT with Parameter-Free Attention	Viet Anh Tran Le; Duc Quang Ngo; Huy Hoang Nguyen	
Real-Time Egg Inspection with YOLOv5-Seg: from Crack Detection to Mobile Application	Thai Dinh Kim; Thien Van Nguyen	
SS1: Special session (Dr. Trinh Van Chien; Dr. Nguyen Ngoc Hung)	Authors	Note
Performance of a NOMA-Based C-FANET with Semi-Analytical Model of the Rician K-Factor	Thi My Chinh Chu; Hans-Juergen Zepernick	
Resource Allocation for Open Radio Access Networks Using Reinforcement Learning	Duc-Tien Nguyen; Trong-Tin Nguyen; Nguyen Tai Hung; Nguyen Huu Thanh; Quang-Trung Luu	
Potentials of Move to Earn Projects with Artificial Intelligence (AI) Techniques for Improving Our Quality of Life: A Survey Research of "STEPN"	Kazuo Umemura	
Joint Computation Offloading and Target Surveillance for Dual-Function Radar Communication-Enabled UAV Networks	Nguyen Duc Duy Anh; Duc Hai Nguyen; Nguyen Quoc Khanh; Dao Quang Hiep; Thuan Le Van; Thien Huynh-The; Nguyen Cong Luong; Ngoc Hung Nguyen	
Spectrum Sensing in Radar-Communications Systems for Signal Identification: Deep Learning with Error-Guided Refinement	Huu-Tai Nguyen; Hai-Trang Phuoc Dang; Thanh Le; Ca V. Phan; Thien Huynh-The	
15:00-15:30	**Lunch break**		
15:30-17:00	N2: Network (Dr. Do Trung Anh, Dr. Luu Quang Trung)	Authors	Note
	Phishing URL Detection with GAN-Based Models and Machine Learning	Dat Le Thanh; Hinh Nguyen Van; Tuyen Nguyen Ngoc; Trung-Anh Do	

	A Fully Joint Autoencoder for Robust Variable Active Antenna Spatial Modulation in Highly Correlated Channels	Le Hai Nam; Nguyen Thu Phuong	
	Near-Field Multi-Beamforming for Multi-User LIS-Aided UAV Relay Systems	Truong Anh Dung; Pham Thanh Hiep; Nguyen Thu Phuong; Le Hai Nam	
	Improving the Ergodic Capacity of RIS-Aided UAV System Employing RSMA	Ba Cao Nguyen; Thien Duc Le; Hoang Tran Manh; Nguyen Thu Phuong; Le Huyen; Pham Xuan Nghia	
	A High Power, Low Switching Time X-Band SPDT Switch with Integrated Power Sensor for Radar Application	Huong Ngo1, Hung Nguyen2, Minh Ta1, Duc-Nguyen Nguyen1 and Tan Do	
	S2: Signal Processing (Dr. Chu Đuc Hoang, Dr. Ngo Quoc Dung)	**Authors**	**Note**
	TrashVLM: Lightweight and Efficiently Fine-Tuned Vision-Language Models for Waste Classification	Thuan Anh Trang; Hung Viet Pham; Dinh Son Vu; Tuan Minh Le; Hieu Minh Tran; Son Vu Truong Dao	
	Comparison of Clustering Algorithms for Indoor Environmental Time-Series Data	Dat Dinh Nguyen; Quoc-Dung Ngo	
	Adaptive Traffic Light Control Using YOLOv10 and DeepSort: a Vision-Based Approach for Smart Cities	Nam Pham Van	
	A Hybrid 1D-CNN and Transformer Architecture for Differentiating Malignant Melanoma from Non-Melanoma Skin Cancers Using Raman Spectroscopy	Hoang ChuDuc	
	SSC-YOLO: Spectral-Spatial Fusion Convolution for Ship Detection in SAR Imagery	Dung Hoang-Ngoc; Dat Minh-Tien Nguyen; Thien Huynh-The	
	SS2: Special session (Chairs: Dr. Tran Hung, Assoc.Prof Nguyen Thanh Chuyen)	**Authors**	**Note**
	A Compact High-Power 1-to-5 WR-284 Waveguide Power Divider with Tapered Output for UAV Disruption Arrays	Trinh Van Thai; Anh Trinh-Ngoc; Son Van Doan; Minh Tung Duong; Tien Manh Nguyen	
	Covert Multi-Relay Communications Under Proactive UAV Jamming in Battlefield Scenarios	Vu Quoc Huy; Le Hoang; Hung Tran; Van Nhan Vo; Dinh-Hieu Tran; Tu Dac Ho; Zhenni Pan	
	Time Reversal-Aided Transmission with Artificial Noise for Physical Layer Security in Ray Tracing Indoor Radio Propagation Channel Modeling	Uyen Lap Phuong Nguyen; Roland Gautier; Philippe Rostaing; Hien Ta; Lap Luat Nguyen	
	Clustering Strategies in Satellite-Aided Communications	Tam Ninh; Nguyen Minh Quan; Tung Son Do; Trinh Van Chien; Hung Tran	

	Enhanced Whale Optimization with Feasibility Rules for IRS Phase Control in SWIPT Systems	Van Cuong Nguyen	

Morning 18/10/2025

7h30-8:30	**Registration**		
8h30-10h00	**S3: Signal Processing (Assoc.Prof. Lam Sinh Cong; Dr. Le Trong Nhan)**	**Authors**	**Note**
	Enhanced Sign Language Transformers: Dataset-Specific Preprocessing and Pretrained Feature Extraction Backbone	Diem Thi Tran; Hien Phuong Nhat Nguyen	
	Augmented-GPT: Leveraging Generative AI Agent for Synthesizing Biomechanical Features for Transformer Model	Vinh Van Pham; Minh Tai Pham Nguyen; Trong Nhan Le	
	Wideband Direction Finding of UAVs/Drones Using Log-Periodic Antenna Array	Van Long Do; Binh Minh Tran; Minh Tung Duong; Binh Nguyen	
	Development and Evaluation of Target Detection Algorithms with Prescribed Radar Cross Section Meeting Decision Quality Constraints for Surveillance Radar	Hoang Nguyen Nguyen; Viet Anh Pham; Quy Thang Bui; Minh Thien Hoang; Hung Tran Viet	
	Radar Meteorological Angel Clutter Suppression Based on Range-Elevation Dispersion for Low Doppler Resolution 3D Radar	Khue Dinh Nguyen; Thi-Hoa Nguyen; Thanh Nguyen Nhu; Tuan Nguyen Manh; Hoang Dong Xuan	
	S4: Signal Processing (Dr. Đoan Van Sang, Dr. Kim Đinh Thai)	**Authors**	**Note**
	A Multimodal Framework for Real-Time Disaster Event Classification and Prioritization Using Social Media	Thai Dinh Kim	
	Eff-FIQA: Efficient Face Quality Assessment Method Based on Joint Learning Strategy	Hoang-Long Nguyen; Quang Duc Tran; Khoa-Sang Nguyen; Quang-Kien Trinh	
	Classification of Finger Movement Using EMG Sensor Signal	Thuan Nguyet Phan; Tuan Van Huynh; Thuy Le Nguyen Thi	
	Weather-Robust Semantic Segmentation via Unsupervised Augmentation: an End-to-End Approach for Multiple Adverse Conditions	DucHoc Tran; Sang Van Doan; Thien Huynh-The	
	RACNet: a Deep Learning Approach for Underwater Source Number Estimation	Phong Ngoc Hoai Nguyen; Nguyen Van Duc; Minh Hong Phan	
	SS3: Special session (Dr. Tong Van Luyen, Dr. Tran Hung Cuong)	**Authors**	**Note**

	Design a Graphene-Based Tunable Metamaterial for Ultra-Wideband Absorption in the Terahertz Range	Thanh Son Pham; Xuan Thanh Pham; Kim Phuong Dinh Thi; Bui Trong Nguyen	
	Unsupervised Learning-Based Joint Beamforming and Far User Clustering for near-Field Massive MIMO-NOMA Systems	Ngo Minh Nghia; Nguyen Dung; Nguyen Thi Xuan Uyen; Van Dieu Nguyen; An Hoai Pham; Dang Le Khoa	
	Metaheuristic Approaches for Centralized Uplink Power Control in User-Centric Cell-Free Massive MIMO Systems	Van Luyen Tong; Trang Thi Le; Dao Ngoc Hieu; Truong Vu Bang Giang	
	Synthesizing Complex Micro-Doppler Signatures for Hand Gesture Recognition with Diffusion Models	The Tuan Trinh; Khai Nguyen Van; Vu Bao Tram Pham; Khoa Nguyen Dang; Minhhuy Le; Xuanque Nguyen	
	Jammer Detection in Multicell Massive MIMO with Correlated Rician Channels	Vu Le Quynh Giang; Kien T. Truong; Van Nhan Vo; Tu Dac Ho; Dinh-Hieu Tran; Hung Tran; Shigeru Shimamoto	
10:00-10: 30	**Coffee break**		
10h30-12h00	**S5: Signal Processing (Dr. Nguyen Van Tinh; Dr. Nguyen Thi My Binh)**	**Authors**	**Note**
	GenNDT: Conditional 1D Nondestructive Testing Signal Generation Framework with Diffusion Model	Thanhthuy Luyen; Thuy Phuong Vu; Congduc Truong; Xuanque Nguyen; Minhhuy Le; Quang Vuong Pham	
	Comparative Analysis of Deep Learning Architectures for Brain Tumor Segmentation	Huyen Quang Tran; Hieu Pham; Phuc Ho; Hanh Thi Minh Tran	
	Neural Network-Based Signal Processing for Social and Labor Data Analytics in Smart Megacities	Andrei Georgievich Somov; Olga Ergunova; Irina Karabulatova	
	Edge-IoT ConvNeXt-CBAM System for Real-Time Classification of Shrimp Health Conditions	Tan Duy Le; Kha Tu Huynh; Duc Dat Pham; Hong Quan Nguyen; Minh Tu Nguyen	
	SS4: Special session (Assoc.Prof. Nguyen Tien Hoa, Assoc.Prof. Tran Trung Duy)	**Authors**	
	Secure Multiuser Communications with Stacked Intelligent Metasurfaces Using Quantum Reinforcement Learning	Le-Hung Hoang; Minh Hoang Pham; Quang-Trung Luu; Van-Dinh Nguyen	
	A Study of Multilingual Approaches to Vietnamese Information Retrieval	Hai Nguyen; Nguyen Thi Bich Nguyen; Nguyen Trung Hieu; Nguyen Thanh Tien	
	Potential-Field-Based Formation Control for Unmanned Aerial Vehicle Swarms with a Human-Piloted Leader	Taku Noguchi; Masami Yoshida; Tsuyoshi Yasuda	

Enhancing Network Performance in Multimedia Video Streaming over SDN-VANET Using Artificial Bee Colony Algorithms	Kien Nguyen Khac; Trung Ninh Bui; Thai-Mai Dinh	
E1: MIX (Dr. Nguyen Duc Dinh Nha; Dr. Nguyen Phi Long)	**Authors**	**Note**
Optimizing Symbiotic Performance of the Cooperative NOMA-SR Using Particle Swarm Optimization	Hong Nguyen Thi; Tran Trung Duy; Trung Doan Van; Anh Le Thi	
Energy Efficiency Analysis of an IRS-Aided RSMA-UAV Network with Transmit Antenna Selection	Cong Hung Dinh; Ba Cao Nguyen; Xuan Nam Tran; Pham Xuan Nghia	
Geometric Mean Hybrid Beamforming in RIS-Aided mmWave Systems	Dinh Van Tung; Tuyen Ngoc Dao; Huy T. Nguyen; Vu Thai Hoc; Nguyen Tien Hoa	
Deep MIMO-OFDM: an End-to-End Deep Learning Approach for Joint Channel Estimation and Signal Detection	Trung-Anh Do; Hinh Nguyen Van; Huy Bui Quoc	