

Day 1	Saturday, November 1, 2025
15:00-17:00	Check-in, Registration, Location: B11 Hall, B11 Building, Ho Chi Minh City University of Technology, VNU-HCM
17:30-20:00	Meeting of the conference organizing committee and welcoming foreign delegates: discussion on research cooperation orientations

Day 2	Sunday, November 2, 2025
08:00-08:50	Registration (cont.), Location: Hoa Binh Hall, B6 Building, Ho Chi Minh City University of Technology, VNU-HCM
08:50-09:00	Opening Musical Performance
09:00-09:20	Opening Speech for EAI ICRESM 2025 from Ho Chi Minh City University of Technology (HCMUT), Organizing Committee and Introducing the Invited Guests
09:20-09:30	Welcome Speech of Conference Chairmain

Keynote Session.  
Time: 09:30 - 12:00  
Room: Hoa Binh Hall, B6 Building

09:30-10:00	Chair: Prof. Dr. Insu Jeon Chonnam National University, South Korea
	KEYNOTE 1. Phase-changing gels for sustainable thermal and electric energy harvesting
10:00-10:30	Chair: Prof. Dr. Wei-Cheng Wang National Cheng Kung University, Taiwan
	KEYNOTE 2. Air-Decarbonization: the Potential of eSAF (Sustainable Aviation Fuel)
10:30-11:00	Chair: Prof. Dr. Joo-Ho Lee Ritsumeikan University, Japan
	KEYNOTE 3. From Pixels to Pose: Learning-Based Localization for Robots
11:00-11:15	Coffee Break
11:15-11:45	Chair: Prof. Dr. Jenn-Kun Kuo National Sun Yat-sen University, Taiwan
	KEYNOTE 4. Performance Analysis of Low Temperature Metal-Supported Solid Oxide Fuel Cells
11:45-12:00	Chair: Representative of THACO INDUSTRIES
	KEYNOTE 5. Industrial Innovation and Partnership Session

Lunch (2nd Floor, C5 Hall, C5 Building, Ho Chi Minh City University of Technology)

13:30-14:50	Room No. 301, B6 Building Track 1.1: <b>Energy Transition</b> Chair: Assoc. Prof. Dr. Tao Quang Bang (DUT, Vietnam), Dr. Bui Thanh Binh (PVU, Vietnam)	Room No. 302, B6 Building Track 1.2: <b>Operational Research</b> Chair: Prof. Dr. Majo George (UEF, Vietnam)	Room No. 303, B6 Building Track 1.3: <b>Sustainable Logistics</b> Chair: Assoc. Prof. Dr. Adam Voak (VAA, Vietnam), Dr. Nguyen Thi Cam Le (VAA, Vietnam)	E0 Hall, Faculty of ME, HCMUTE Track 1.4: <b>Technology and Education</b> Chair: Assoc. Prof. Dr. Truong Nguyen Luan Vu (HCMUTE, Vietnam), Assoc. Prof. Dr. Pham Son Minh (HCMUTE, Vietnam)	Room No. 304, B6 Building Track 1.5: <b>Sustainable Manufacturing</b> Chair: Assoc. Prof. Dr. Luu Duc Binh (DUT, Vietnam), Assoc. Prof. Dr. Nguyen Truong An (MTA, Vietnam)	Room No. 305, B6 Building Track 1.6: <b>Automotive Sustainability</b> Chair: Assoc. Prof. Dr. Tran Huu Nhan (HCMUT, Vietnam), Dr. Tran Dang Long (HCMUT, Vietnam)	Room No. 306, B6 Building Track 1.7: <b>Sustainable Transportation</b> Chair: Assoc. Prof. Dr. Le Tat Hien (HCMUT, Vietnam), Assoc. Prof. Dr. Le Dinh Tuan (HCMUT, Vietnam)	B6 Hall, 2nd Floor, B6 Building Track 1.8: <b>Robotics and Mechatronics</b> Chair: Dr. Phung Tri Cong (HCMUT, Vietnam), Dr. Dao Thanh Phong (HCMUTE, Vietnam)
	Paper 1: <b>Energy Waste Detection in Smart Buildings Using Open Energy Data</b> Author: Pham Minh Thanh	Paper 1: <b>A Comparison of Feature Selection and Predictive Algorithms for Predicting Plastic Film Breakage</b> Authors: Tran-Ha-Ngoc Huy, Nguyen Nguyen-Vang-Phuc, Nguyen-Thi-Yen Nhi	Paper 1: <b>Analysis of Transportation System Selection for an Aquaculture Supplies Manufacturing Company</b> Authors: Quyen-Ngoc Do, Thao Huong Tran-Vo and Hoang-Oanh Dang	Paper 1: <b>Reducing Defects and Enhancing Q+L40quality in Rapid Investment Casting by Controlling Mold Temperature</b> Authors: Thanh Tan Nguyen, Minh Tri Ho, Hieu Giang Le, Van-Thuc Nguyen, Hoai Nam Nguyen, Phi Long-Nguyen Nhut, Ngoc-Thien Tran, and Van Tron Tran	Paper 1: <b>Effect of V-Grooving Technique on Springback Behavior of SS304 Sheet in V-Bending Process: An Experimental Study</b> Authors: Anh-Chuong Le, Hoan Nguyen, Anh-Son Tran, Quoc-Nguyen Banh and Minh-Tuan Ho	Paper 1: <b>A Parametric Modeling Approach for Marine Propellers: Case Study for Wageningen B-Screw Series</b> Authors: Doan Minh Thien, Trinh Duc Minh, Nguyen Thi Ngoc Hoa and Tat-Hien Le	Paper 1: <b>Influence Analysis of the Load Distribution on the Tractor–Semi-Trailer Dynamic Stability in the Case of Turning</b> Authors: Tri Tam Pham Cong and Huu Nhan Tran	Paper 1: <b>Interval Linear Quadratic Regulator for Robust DC Motor Speed Control under Parametric Uncertainties</b> Authors: Duc Minh Phan, Song Hung Nguyen, Thi Lan Nguyen, Duc Binh Luu and Thanh Truong Nguyen
	Paper 2: <b>Impact of Biodiesel–Diesel Blending Ratios on Injection Rate Characteristics at Simulated Diesel Engine Conditions</b> Authors: Vo Tan Chau, Huynh Trung An and Huynh Ba Vang (Video)	Paper 2: <b>Applying Dijkstra’s Algorithm to the Supermarket Order Picking Problem</b> Authors: Thanh-Phat Nguyen, Trung Nguyen Quoc Pham and Thao Huong Tran-Vo	Paper 2: <b>Environmentally-Conscious Vehicle Routing Model with Road Roughness and CO<sub>2</sub> Emission Constraints</b> Authors: To-Dung Tran and Nguyen Nguyen Van Phuc	Paper 2: <b>Developing Stiff, Strong, and Tough Alginate-Based Hydrogels via a Drying and Rehydration Process</b> Authors: Tuan Thanh Quach, Xuan Tung Nguyen, Huu Phuc Phan, Linh Tran, Thai Khanh Nguyen, Hoai Nam Nguyen, and Van Tron Tran	Paper 2: <b>Simulation-based Optimization of Injection Molding Parameters for Family Mold of Automotive Components</b> Authors: Minh-Tuan Ho, Van-Keo Dong, Quoc-Dat Luong, Anh-Son Tran and Quoc-Nguyen Banh	Paper 2: <b>A Push–Pull Mechanism Applied to Steering Feel Simulation Control for Automotive Steer-by-Wire Systems</b> Authors: NKhanh Truong Nam, Long Nguyen Thanh,, Lam Tran Quang, Dai Pham Ngoc and Long Tran Dang	Paper 2: <b>Influence Analysis of the Semitrailer’s Steering Angles on the Tractor–Semitrailer Dynamic Stability in the Case of Turning</b> Authors: Trung Thanh Do and Huu Nhan Tran	Paper 2: <b>Integrated MCDM Approach for Industrial Robot Selection: An Entropy-Based Evaluation with TOPSIS, ARAS, and MOORA</b> Authors: Thanh – Lam Bui, Dinh – Hieu Phan and Tien – Dat Hoang
	Paper 3: <b>Impact of LPG Injection Length Ratios on Performance and Emission of LPG–Diesel Engines Using Split Injection Strategies in Dual-Fuel Combustion Mode</b> Authors: Vo Tan Chau and Truong Thuan Phat* (Video)	Paper 3: <b>Gamification and Sustainable Reverse Logistics: Enhancing Circular Practices and Customer Repurchase in the Digital Age</b> Authors: Ngoc-Hong Duong, Thu Nu Minh Tran, Thien Trung Huynh, Loc Tan Nguyen, Thinh Tran Truong Doan and My Khoa Kieu Nguyen (Video)	Paper 3: <b>SMART LOCKER ADOPTION IN URBAN E-COMMERCE LOGISTICS: Investigating Switching Intentions from Home Pickup Services</b> Authors: Ngoc-Hong Duong, Duyen Tran Mai Lam, Linh Tran Thi Dieu, Ngan Bui Ngoc Thien, Nghia Luu Gia, Thi Huyen Ton Nu Anh (Video)	Paper 3: <b>Preliminary Investigation of a Mechanical Starting Mechanism for a Two-Stroke Free-Piston Engine</b> Authors: Nguyen Huynh Thi, Nguyen Van Trang, Huynh Thanh Cong, Dao Huu Huy, Huynh Van Loc, Truong Hoa Hiep	Paper 3: <b>Development of a Predictive Model for Dimensional Accuracy of Rapid Prototyping Products Using DLP Technology: A Comparative Study with ANFIS and ANN</b> Authors: Van Vu Le, Chiet Quan Han and Huu Nghi Huynh	Paper 3: <b>Investigate the Energy Balance in Longitudinal Motion of an Electric Vehicle Using MATLAB/SIMSCAPE</b> Authors: Khoi-Do Minh, Minh-Ka Nguyen Nhat, Dat-Phan Nguyen Thanh, Duc Tran	Paper 3: <b>Enhancing Rose Drying Efficiency with 20 kHz Ultrasonic Waves: Experimental Design, Performance Evaluation and Future Prospects</b> Authors: Dao Duy Qui and Bui Duy Khanh	Paper 3: <b>Study on Bearing Failures Classification Using Wallet Visualized Scalograms and Deep Learning of Vibration Signals</b> Authors: Tri Dung Nguyen and Hai Lam Dam

