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						

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Day 2 08:00-08:50	Sunday, November 2, 2025									
08:50-09:00	Registration (cont.), Location: Hoa Binh Hall, B6 Building, Ho Chi Minh City University of Technology, VNU-HCM  Opening Musical Performance									
09:00-09:20 09:20-09:30	Opening Speech for EAI ICRESM 2025 from Ho Chi Minh Clty University of Technology (HCMUT), Organizing Committee and Introducing the Invited Guests  Welcome Speech of Conference Chairmain									
Keynote Ses	ssion.			weicome sp	eech of Conference Chairmain					
Time: 09:30 -										
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, Taiv									
	KEYNOTE 4. Performance Analysis	of Low Temperature Metal-Supported S	Solid Oxide Fuel Cells							
11:45-12:00	Chair: Representative of THACO INDUSTRIES									
	KEYNOTE 5. Industrial Innovation an	d Partnership Session								
			L	unch (2nd Floor, C5 Hall, C5 Building,	Ho Chi Minh City University of Techno	ology)				
	Room No. 301, B6 Building Track 1.1: Energy Transition Chair: Assoc. Prof. Dr. Tao Quang Bang (DUT, Vietnam), Dr. Bui Thanh Binh (PVU, Vietnam)	Track 1.2: Operational Research Chair: Prof. Dr. Majo George (UEF,	Track 1.3: Sustainable Logistics Chair: Assoc. Prof. Dr. Adam Voak, (VAA,			Room No. 305, B6 Building Track 1.6: Automotive Sustainability Chair: Assoc. Prof. Dr. Tran Huu Nhan (HCMUT, Vietnam), Dr. Tran Dang Long (HCMUT, Vietnam)	Room No. 306, B6 Building Track 1.7: Sustainable Transportation 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: Robotics and Mechatronics Chair: Dr. Phung Tri Cong (HCMUT, Vietnam), Dr. Dao Thanh Phong (HCMUTE, Vietnam)		
	Smart Buildings Using Open Energy Data Author: Pham Minh Thanh		System Selection for an Aquaculture Supplies Manufacturing Company Authors: Quyen-Ngoc Do, Thao Huong Tran-Vo and Hoang-Oanh Dang	Paper 1: Reducing Defects and Enhancing Q+L40uality in Rapid Investment Casting by Controlling Mold Temperature 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	on Springback Behavior of SS304 Sheet in V-Bending Process: An Experimental	Marine Propellers: Case Study for Wageningen B Screw Series Authors: Doan Minh Thien, Trinh Duc Minh, Nguyen Thi Ngoc Hoa and Tat-Hien Le	Distribution on the Tractor-Semi-Trailer Dynamic Stability in the Case of Turning	Paper 1: Interval Linear Quadratic Regulator for Robust DC Motor Speed Control under Parametric Uncertainties Authors: Duc Minh Phan, Song Hung Nguyen, Thi Lan Nguyen, Duc Binh Luu and Thanh Truong Nguyen		
13:30-14:50	Blending Ratios on Injection Rate	Paper 2: Applying Dijkstra's Algorithm to the Supermarket Order Picking Problem Authors: Thanh-Phat Nguyen, Trung Nguyen Quoc Pham and Thao Huong Tran- Vo	Vehicle Routing Model with Road Roughness and CO <sub>2</sub> Emission Constraints Authors: To-Dung Tran and Nguyen Nguyen Van Phuc	Drying and Rehydration Process Authors: Tuan Thanh Quach, Xuan Tung	of Injection Molding Parameters for Family Mold of Automotive Components Authors: Minh-Tuan Ho, Van-Keo Dong, Quoc-Dat Luong, Anh-Son Tran and Quoc	Paper 2: A Push-Pull Mechanism Applied to Steering Feel Simulation Control for Automotive Steer-by-Wire Systems Authors: NKhanh Truong Nam, Long Nguyen Thanh, Lam Tran Quang, Dai Pham Ngoc and Long Tran Dang	Semitrailer's Steering Angles on the Tractor–Semitrailer Dynamic Stability in the Case of Turning	Authors: Thanh - Lam Bui, Dinh - Hieu Phan and		
	Ratios on Performance and Emission of LPG-Diesel Engines Using Split Injection Strategies in Dual-Fuel Combustion Mode Authors: Vo Tan Chau and Truong Thuan Phat*	Reverse Logistics: Enhancing Circular Practices and Customer Repurchase in the Digital Age Authors: Ngoc-Hong Duong, Thu Nu Minh Tran, Thien Trung Huynh, Loc Tan Nguyen, Thinh Tran Truong Doan and My Khoa Kieu Nguyen	URBAN E-COMMERCE LOGISTICS: Investigating Switching Intentions from Home Pickup Services Authors: Ngoc-Hong Duong, Duyen Tran	Mechanical Starting Mechanism for a Two- Stroke Free-Piston Engine Authors: Nguyen Huynh Thi, Nguyen Van Trang, Huynh Thanh Cong, Dao Huu Huy,	Model for Dimensional Accuracy of Rapid Prototyping Products Using DLP	Authors: Khoi-Do Minh, Minh-Ka Nguyen Nhat, Dat Phan Nguyen Thanh, Duc Tran	with 20 kHz Ultrasonic Waves: Experimental Design, Performance Evaluation and Future	Using Wallet Visualized Scalograms and Deep		

		Paper 4: A Study on Proposing Evaluation Criteria for the Development Potential of High-Quality Logistics Human Resources in the Southeastern Region of Vietnam Authors: Trinh Dinh Cuong, Nguyen Thanh Danh, Ho Thi Thu Hoa and Ho Thi Thu Hien		Evaluation of a Motorcycle Half Helmet for Enhanced Impact Protection	Printer Using Resin Based on DLP Technology	Paper 4: Experimental and Numerical Investigation on Quasi-Static Axial Crushing of Thin Double-Walled Multi-Corner Double-Hat Columns Authors: Bao-Tang Gia, Thai-Tran Quoc, and Hai Tran	Paper 4: Investigation on exhaust gas emissions of a diesel engine working with dimethyl ether Authors: Simeon Iliev (Video)	Paper 4: Application of Computer Vision in Product Counting and Defect Detection in Medical Test Tube Production Authors: Le Xuan Thuyen, Nguyen Duc Phat, Tran Ngoc Huy
14:50-15:30					Coffee Break			
	Room No. 301, B6 Building	Room No. 302, B6 Building	Room No. 303, B6 Building	Room No. B11 Hall, B11 Building	Room No. 304, B6 Building	Room No. 305, B6 Building	Room No. 306, B6 Building	B6 Hall, 2nd Floor, B6 Building
	Track 2.1: Low Carbon Economy Chair: Assoc. Prof. Dr. Adam Voak, (VAA, Vietnam), Dr. Nguyen Thi Cam Le (VAA, Vietnam)		Track 2.3: Sustainable Textile Industry Chair: Assoc. Prof. Rajkishore Nayak (RMIT University, Vietnam)	Track 2.4: Online Stability Chair: Chair: Dr. Nguyen Vang Phuc Nguyen (HCMUT, Vietnam)		Track 2.6: Automotive Sustainability Chair: Prof. Dr. Wei-Cheng Wang (National Cheng Kung University, Taiwan), Assoc. Dr. Le Tat Hien (HCMUT, Vietnam)		Track 2.8: Robotics and Mechatronics Chair: Prof. Dr. Joo-Ho Lee (Ritsumeikan University, Japan), Prof. Dr. Tran Dinh Tuan (Shiga University, Japan)
15:30-16:50	Paper 1: Application of Artificial Intelligence and IoT in Determining Growth Stages and Automatically Providing Fertilization for Cucumis melo L. in Greenhouses Authors: Lam Minh Dung, Truong Quoc Bao, Le Thi Hong Nhung and Nguyen Thanh Tan Kiet		Paper 1: Curcumin Dispersions in Aloe Vera Mucilage: A Green Polymer-Based Approach Authors: Uyen Nhi Ly and Nhan T.H. Le		Influences of the Thickness of Stainless Steel Sheet SUS 304 by Multi-Stage Single Point Incremental Forming	Paper 1: The Effect of Impulse Response Function on Impact Force Reconstruction Using Wavelet Deconvolution Technique Authors: Loi Le-Tan, Hai Tran and Tuan Le-Dinh	Paper 1: Impact of Finite Element Mesh Shape on the Accuracy of Tube Hydroforming Simulations Authors: Chung Nguyen, Minh Tam Pham, Thanh Binh Nguyen	Paper 1: Design and Fabrication of a Tomato Sorting Robot Prototype Integrating Image Processing Technology and Artificial Intelligence Author: Tien-Dat Hoang, Dinh – Hieu Phan and Thanh-Lam Bui
	Paper 2: Enhancing Content-Based Image Retrieval via Query Expansion Using Weighted K-Nearest Neighbor Feature Aggregation Authors: Tran Van Khanh, Nguyen Ngoc Thuy and Le Manh Thanh* (Video)	crystallite and morphology formation of PET/Sugar bagasse-dervied biochar Authors: Bui Le Thanh Khiet, Nguyen Hong	Author: Thi Anh Dao Tran, Van Tri Huynh,	Experiment Validation of ABB IRB 1520ID Welding Robot Authors: Hoai Tam Tran and Quang Hieu	AA5083 Aluminum Alloy By The Constrained Groove Pressing Technique	Farming Ponds: A CFD-Based Study Authors: Thien-Phuong Ton, Thien-Phuc Tran and	Crane Vessel During Heavy-Load Lifting Operations	Analysis of a Twin Autonomous Underwater Vehicle
	Paper 3: ESG Disclosure and the Cost of Capital: Firm-Level Evidence from Vietnam's Energy Sector Authors: Hien Thu Mai and Thao Nguyen Nguyen* (Video)	to Use and Willingness to Pay for Household Solar Energy Products: A		Silicate Hydrate (CSH) from wasted PV glass and water glass Author: Nguyen Minh Phong, Tran Ngo	Assisted Vibration and Post-Weld Heat Treatment on the Microstructure and		Addition on the Sooting Tendency of Diesel Diffusion Flames	Paper 3: Research on Developing an Algorithm to Determine the Welding Path for a T-Joint Welding Using a 2D Laser Sensor Authors: Minh Tuan Pham, Pham Hai Duong Tran and Tri Cong Phung
	Paper 4: Low-Cost Fabrication of Microfluidic Paper-Based Analytical Devices Using an Inexpensive 3D-DLP Printer Author: Dat Nguyen-Tien, Nam Le-Nhat, Son Tran-Anh, Nguyen Le Dung, Trung-Nghia Tran, Tuan Ngoc Anh Vo	Sustainable Tourism in Society 5.0: Integrating Human-Centric Digitalization and Green Transformation	Nanocarriers for Cosmetotextile Applications		the Wave Transmission and Microstructure of Ultrasonic Horns?			Failures Using Support Vector Machine Model Authors: Anh Tuan Pham, Ngoc Tuan Vu, Van Tra
17:00 - 20:00			Gala Dinner-Closin	Ceremony (Ball Room 1 and 2. 10th	Floor, Athena Hotel. 280 To Hien Thar	nh, Dien Hong Ward, Ho Chi Minh City)		