Program, ASEAN UEC WS for Informatics and Engineering, 2023

Collaboration with ECTI Computer & Information Technology and IEEE Computer Society, Thailand Chapter

Date:Dec. 10th, 2023

Venue Thailand	Suan Sunandha Rajabhat University (SSRU)	1U Thong Nok Rd, Dusit, Dusit District, Bangkok, Thiland
	Building No26 Faculty of Science and Technology, Boom 103	

Venue Zoom	Zoom ID	Meeting ID: 966 4147 4496	https://uec-
		Passcode: 2188024101	tokyo.zoom.us/j/96641474496?pwd=ZHF3YjlXV010NnU5Y1J0RHo1YTI0QT09

Time in TH (+2H in JP)		Title
8:45 - 9:30	Registration	
9:30 - 9:45	Opening Remarks (Chair Prof. Nattapong Kitsuwan)	
	*Prof. Dr.Bundit Pungnirund, VP on research as her representative, SSRU	
	*Prof. Kosin Chamnongthai, KMUTT and ECTI	
	*Dr. Shunichi Tano, UEC	
9:45 - 10:00	Key Note Talk Session 1	
	*Prof. Chanon Warisarn, KMITL/TH and ECTI	Challenges and Perspective on Artificial Intelligence Neural Networks-based Detection for Magnetic Recording
	*Prof. Tran Xuan Tu, VNU-ITI/VN	Ultra-Low-Power Internet-of-Things Research at VNU Hanoi
	*Prof. Budi Kristiawan,UNS/ID	UNS and UEC, Our recent collaborative research progress for saving energy using novel nanofluids
10:00 - 10:20	Break	
10:20 - 12:00	Key Note Talk Session 2 (Chair Prof. Koichiro Ishibashi)	
	*Prof. Dr. Ting Choo Yee, MMU/MY	Location Analytics in Retail Recommendat
	*Mr. Samboeun Hean,CADT/KH	IT based entrance examination system
	*Prof. Toshihisa Tanaka, TUAT/JP	Synthesizing Speech from ECoG with a Combination of Transformer-based Encoder and Neural Vocoder
	*Prof. Katsuya Suto,UEC/JP	Deep Learning and Its Applications to Radio Map Construction
12:00 - 13:30	Lunch Break	
13:00 - 14:30		
13:00 - 14:30	Recorded 3-min Video Presentations (Zoom)	
13:30 - 15:00	Poster Presentations Q and A	
15:30 - 16:00	Award (Young Researchers Encouragement Award) and Lap up	
16:00	End of WS	
16:00 - 16:45	Tour of SSRU Musium	

Poster papers list

Paper #	Paper Title	1st Author	Affiliation
2	Research on Automated Intercostal Scanning in Ultrasound Using Deep Learning	Arashi Katsuragi	The University of Electro Communications
4	A Preliminary Study on Spatially Distributed Data Forecast Using Cortical Learning Algorithm	Kazuma Niwa	The University of Electro-Communication
5	A Biased Multi-Objective Item Stock Optimization Using Evolutionary Algorithms	Kazuma Sato	The University of Electro-Communications
6	Construction of a 3D organ movement estimation system using an ultrasound diagnostic/treatment robot	Motoyasu Sano	The University of Electro Communications, Graduate School of Informatics and Engineering
8	Thermoelectric effect of multivalley systems in a magnetic field	Sekito Hirota	Department of Engineering Science, University of Electro-Communications
9	An Automatic Liver Tumor Detection Method by Ultrasound Robot Based on Deep Learning	Jingyi LI	The University of Electro-Communications
10	Mixed 2D/3D YOLOv5 Backbone for Efficient Spatio-Temporal Hand Gesture Localization and Recognition	Luis Acevedo-Bringas	The University of Eletro-Communications and Instituto Politecnico Nacional
11	A Mechanical Automated Waste Sorting using Artificial Intelligent Bin	Kornkanok Pobchan-ad	Burapha University
12	IoT-oriented RISC-V-based SOTB-65nm System-on-Chip Implementations	Khai-Duy Nguyen	Graduate School of Informatics and Engineering, The University of Electro-Communications
13	A Preliminary Study on Ensemble Pareto Front Estimation	Kosuke Kikawada	The University of Electro-Communications
14	Automatic Identification of Medicine utilizing Methods of Image Processing and I	Apiwat Sangnoree	Computer & AI department, School of Engineering, The University of Thai Chamber of Commerce
15	Shopping Portal User Interface Design: An Analysis of E-Marketplaces in Thailan	Tanat Kanangnanon	Faculty of Informatics, Burapha University
16	Driver Drowsiness Detection based on dlib and Head Movement Pattern	Bhusana Kong-on	Faculty of Informatics, Burapha University
17	RECOMMENDATION FRAMEWORK FOR SETTING UP ANALYSIS PURPOSES BAS	Krisana Chinnasarn	Faculty of Informatics, Burapha University
18	Experimental Study on Enhancing Thermal Performance of Al2O3/Distilled Water	Hilbran Tama Dida Effendi	Universitas Sebelas Maret
19	The Influence of Nanofluids on Thermal and Electrical Properties in Mineral Oil	Khoirudin	Universitas Sebelas Maret
20	Numerical Analysis On Performance Enhancement Of Electric Motor Cooling Syst	Muhammad Alwan Hibatullah	Universitas Sebelas Maret
21	Enhancement of Thermal Performance Using Nano-Fluid and Device Requiremen	Amri Abdulah	Universitas Sebelas Maret
22	Comparative Investigation on Thermal Assessment of Hybrid Nanofluids for Cooli	Yokanan Gustino Djentoe	Universitas Sebelas Maret
23	The Utilization of TiO2 Nanofluid for Cooling System of BLDC Motor	Farrel Yoga Widiasto	Universitas Sebelas Maret
24	The isothermal examination for enhancing the thermal conductivity of the TiO2/EG-40 nanofluid	Sukarman	Universitas Sebelas Maret
25	Thermal Conductivity and Viscosity of TiO2/water Nanofluid	Ahmad Imam Rifa'i	Mechanical Engineering, Politeknik Negeri Sriwijaya
27	Development of the astronomical alert system for the Tomo-e Gozen transient survey	Ryuichi Hoshino	The University of Electro-Communications
28	Reduction of production waste in the packaging manufacturing by Lean Manufacturing Methods.	Jessada Juntawongso	Department of Production Engineering, King Mongkut's University of Technology Thonburi
29	DOA ESTIMATION METHOD USING UNIFORM RECTANGULAR ANTENNA ARRAY BASED ON LSTM	Hoa Ngo Thi Thu	Hanoi University of Science and Technology
30	A Preliminary Study on Solution Generation for Evolutionary Multi-factorial Optimization	Shio Kawakami	The University of Electro-Communications
31	Numerical Simulation of Robusta Coffee Beans Drying	Muhammad Irfan Dzaky	Department of Mechanical Engineering, Politeknik Negeri Sriwijaya
32	Surgeon-Gestural-Interaction Through Hand Gestures for Interactive Surgery: An Assistive Leap Motion Sensor	Sunusi Bala Abdullahi	King Mongkut's University of Technology Thonburi
33	The Development of a Facial Asymmetry-Based Model for Elderly Stroke Detection	Warissara Limpornchitwilai	Biological Engineering Program, KMUTT
34	The Influence of Nanofluids on Thermal and Electrical Properties in Mineral Oil	Khoirudin	Universitas Sebelas Maret Surakarta