Program, ASEAN UEC WS for Informatics and Engineering, 2022

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

Date:Dec. 9th, 2022

Venue Thailand	10th floor restaurant Faculty of Informatics, Burapha University	Address: 169 Long Had Bangsaen Rd, Saen Suk, เมือง Chon Buri 20131
Venue Vietnam	7th floor of main building, Le Quy Don Technical University	236 Hoang Quoc Viet str., Bac Tu Liem, Hanoi, Vietnam
Venue Zoom	Zoom ID	Meeting ID: 994 0869 9161 https://informatics-buu-ac-th.zoom.us/j/99408699161?pwd=Z09uRzZZbjdSK3d0SHY2RDhCNzM0dz09
		Passcode: 732798

Time in VN and TH (+2H for JP)		Venue
8:00	Bus Service from Daewoo Hotel to LQDTU in Hanoi ~ 20 + people	
8:30 - 9:00	Registration	
9:00 - 9:30	Opening Remarks, Chair Koichiro Ishibashi(UEC)	LQDTU,BU, Zoom on time Sessions
	*Prof. Representative of BU	
	*Prof. Kosin Chamnongthai (From ECTI)	
	*Prof. Koichiro Ishibashi	
9:30 - 11:30	Key Note Talk Session	
	*Prof. Pham Thanh Hiep	LQDTU
	*Prof. Jiro Ida	LQDTU
	*Prof. Hoang Trong Thuc	LQDTU
	*Prof. Trio Adiono	Zoom
11:30 - 13:00	Lunch	
13:00	*Prof. Veronica Bolon-Canedo	Zoom
13:30 - 17:00	Poster Presentation, Chair Nattapong Kitsuwan(UEC), Someone from ECTI	
13:30 - 15:30	Recorded 3 min Video Presentations	Zoom Only, Operation by BU
15:30 - 16:30	Poster Presentations Q and A	LQDTU,BU, Zoom, 3 Parallel Session
16:30 - 17:00	Award (Young Researchers Encouragement Award) and Lap up	LQDTU,BU, Zoom
17:00	End of WS	
17:30	Banquet	Trong Dong Palace Center. Address: 72 Tran Dang Ninh, Dich Vong, Cau Giay, Ha Noi

Key note talks

	Topic	Speaker	Speaker affiliation	Venue
9:30	Advantages and challenges of Cell-free systems	Assoc. Prof. Pham Thanh Hiep	Le Quy Don Technical University	LQDTU
10:00	Neuron Function with Single Device by PN-Body Tied SOI-FET and Activity on Cryo-CMOS for Quantum Computing	Prof. Jiro Ida	Kanazawa Institute of Technology	LQDTU
10:30	Computer Design Classes Using Open-source RISC-V: Linux Bootable SoC on FPGA and VLSI Implementations	Prof. Hoang Trong Thuc	The University of Electro-Communications	LQDTU
11:00	Trends and Challenges of AI Accelerator Design	Prof. Trio Adiono	Institut Teknologi Bandung	(Zoom)
13:00	Quality over quantity: An introduction to feature selection	Prof. Veronica Bolon-Canedo	University of A Corunia, Spain	Zoom

Poster papers

Paper #	Paper Title	1st Author	Affiliation	Venue
1	A Slanted-Edge Method for High-Accuracy Measurement of Modulation Transfer Function	Miu Fujita	The University of Electro-Communications	Zoom
3	Real-Time Vital Sign Monitoring using 24 GHz Radar	Hoang Thi Yen	The University of Electro-Communications	Zoom
4	Analysis of Connection Characteristics between Random Sections and Patternaized Groups in No-lane Heterogeneous Traffic	Akihito Nagahama	Graduate School of Informatics and Engineering, The University of Electro-communications	LQDTU
5	Information presentation aiming intention share in ADAS	Yumeno Hatori	Graduate School of Informatics and Engineering, The University of Electro-communications	LQDTU
6	A Note on Correlation-Based Watermarking Scheme for Auto-RDS Images using 2-D Orthogonal Transforms	Shun KITAKAZE	Graduate School of Informatics and Engineering, The University of Electro-Communications	Zoom
7	A Review on Applications of Earth Observation Datasets in Ecological Vulnerability Assessment	Muhammad Kamran	Joint Doctoral Program for Sustainability Research, Graduate School of Informatics and Engineering, University of Electro-Communications	Zoom
8	Fabrication and characterization of CuAlO2 thin film transistor by Digitally Processed DC Reactive Sputtering	Ali Mehdi	Department of Engineering Science, The University of Electro-Communications	Zoom
9	Neutronics Design of Small 100MWe of Plutonium Fuelled Molten Salt Nuclear Power Plant	Abdul Waris	Bandung Institute of Technology, Indonesia	(Zoom)
12	Protecting Hot Carriers by Introducing Organic Cations in Halide Perovskite Quantum Dots	Hua Li	The University of Electro-Communications	Zoom
13	Automatic Allocation of Parking Lot's Lanes utilizing Methods of Image Processing and Machine Learning	Apiwat Sangnoree	Computer & AI department, School of Engineering, The University of Thai Chamber of Commerce , Dindeang, Bangkok	BU
15	Cyclone Dust Collector: Apparatus Design and Analysis	Ahmad Imam Rifa'i	Politeknik Negeri Sriwijaya	(Zoom)
16	IMPACT OF SEVERAL TERRAIN CLUTTER MODELS ON DETECTION PERFORMANCE OF BISTATIC PASSIVE RADAR SYSTEM USING SYMBOL P1 IN VIETNAMESE DVB-T2 SIGNALS	Duong Quang Huy	Le Quy Don Technical University	LQDTU
17	Hybrid model SARIMA-LSTM based on data decomposition by STL for prediction PM2.5 in central district in Hanoi	Nguyen Quang Dat	Hanoi University of Science, Vietnam National University, Hanoi, Vietnam	LQDTU
18	Acoustic, light-based Emergency Vehicle Detection using deep neural networks	Nguyen Quang Dat	Hanoi University of Science, Vietnam National University, Hanoi, Vietnam	(LQDTU)
19	Preparation And Characterization of Activated Carbon from Coconut Shell Using Steam Activation	Kinkind Raras Heliani	Research Group of Solid State Chemistry and Catalysis, Chemistry Department, Sebelas Maret University, Indonesia	(LQDTU)
20	NUMERICAL INVESTIGATION ON HEAT TRANSFER COEFFICIENT OF TiO2–CNTs/WATER NANOFLUID	Budi Kristiawan	1Mechanical Engineering, Universitas Sebelas Maret, Jl. Ir. Sutami 36A Kentingan, Surakarta 57126, Indonesia	(ZOOM)
21	Vietnamese Sign Language Recognition using Mediapipe and Deep Learning	Nghia Nguyen Xuan	Hanoi University of Science and Technology	LQDTU
22	Online deep neural networks model based multi seasonal decompose for short-term electricity load forecasting	Nguyen Quang Dat	Hanoi University of Science, Vietnam National University, Hanoi, Vietnam	(LQDTU)

No.	Title	Author	Affiliation	Platform
23	Denoising methods for non-profile the side channel attack in hardware security evaluation	Phu-Cuong Le	Le Quy Don Technical University	(LQDTU)
24	High-order Chebyshev Notch Filter based on MO-OTA	Siradanai Srisamranrungrueang	Department of Electrical Engineering, Faculty of Engineering and Industrial Technology, Silpakorn University, Thailand	(LQDTU)
25	DESIGN QPSK COMMUNICATION SYSTEM BY SOFTWARE-DEFINED RADIO (SDR)	Siraphop Tooprakai	School of Engineering, King Mongkut's Institute of Technology Ladkrabang, Bangkok 10520, Thailand	(BU)
26	Recognition of Face Expression for Masked Face Images	Susanta Malakar	King Mongkut's University of Technology Thonburi	(BU)
27	Jerk-based High Complex Chaotic Generator with Modified Rectangular and Signum Functions	Khunanon Karawanich	king mongkut's institute of technology ladkrabang	BU
28	The Computerized Test for Screening Dementia in the Elderly: Pilot Study	Warissara Limpornchitwilai	Biological Engineering Program, KMUTT	(BU)
29	Effects of the tablet-based gaming app to promote personal help and social skills in student with autism	Chatchai Paengkumhag	Biological Engineering Program, KMUTT	BU
31	Application for Analyzing Data Transmission Path on Communication Network Using Optical Character Recognition	Pattara Kladkaew	Department of Electronic and Telecommunication Engineering Faculty of Engineering King Mongkut's University of Technology Thonburi	Zoom
32	A Development of LVDT Demodulator CircuitBased on FPAA chip	Krit Angkeaw	Department of Instrumentation and Electronics Engineering. King Mongkut's University of Technology North Bangkok. Bangkok, Thailand.	(ZOOM)
36	A Study on Programming Control for Sorting Robots	Tanaporn Payommai	Rajamangala University of Technology Isan	(BU)
37	A Resistorless Temperature-insensitive Electronically-adjustable Single VDGA-based Voltage-mode Instrumentation Amplifier	Montree Siripruchyanun	3Dept. of Teacher Training in Electrcal Engineering, Faculty of Technical Education, King Mongkut's University of Technology North Bangkok	Zoom
38	Classification of COVID-19 severity based on self-reported symptoms through the Home-Isolation platform	SRIENGCHHUN CHHEANG	Faculty of Informatics, Burapha University	Zoom
39	Semantic Scene Understanding in Fast Camera Motion Using Spatial and Local-Global Temporal Feature Fusion	Dipanita Chakraborty	Department of Electronics and Telecommunication Engineering, Faculty of Engineering, King Mongkut's University of Technology Thonburi	(BU)
42	A Phase-Locked-Loop Algorithm Enhancement for Off-Board EV Charger Based on a Three-Level NPC Converter Under Non-Ideal Three-Phase Grid Voltages	Thidarat Thanakam	Chiang Mai University	BU
43	Eye gaze detection for low fresolution facial image	Ratanak Khoeun	Faculty of Informatics, Burapha University	(BU)
46	Towards Eye Gaze Gesture Passwords Recognition	Zakariyya Abdullahi Bature	Department of Electronics and Telecommunication Engineering, King Mongkut's University of Technology Thonburi, Bangkok, Thailand.	(BU)
47	IDF-Sign: Addressing Inconsistent Depth Features for Dynamic Sign Words Recognition	Sunusi Bala Abdullahi	King Mongkut's University of Technology	BU

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