

Program at a glance

Joint BEC and UEC Workshop 2021



Phranakhon Si Ayutthaya Rajabhat University
December 10, 2021



Time Thailand	ARU Auditorium ZOOM Link: 796 8041 2683 Password: E1BqmF		Session Chairs	Remark
08:30 – 08:40	Welcome Speech Assoc. Prof. Chusit Pradabpet (Chancellor of ARU)		NIMT	Zoom Live  E1BqmF
08:40 – 09:00	Opening Ceremony Speech Assoc. Prof. Sinchai Kamolphiwong (ECTI president) Dr. Kohji Abe, (Member of the Board of Directors, UEC)			
09:00 – 09:25	Prof. Dr. Sadahiko Kano (Waseda U., Japan)			
09:25 – 09:50	Prof. Dr. Feri Adriyanto, (UNS, Indonesia)			
09:50 – 10:15	Prof. Dr. Tran Xuan Nam (VP of LQDTU, Vietnam)			
10:15 – 10:40	Prof. Dr. Farhan Saif (Quaid-i-Azam U.Pakistan)			
Coffee Break 20 minute				
11:00 – 11:10	Prof. Dr. Koichiro Ishibashi (UAREC Director, UEC)		NIMT	 E1BqmF
11:10 – 11:35	Prof. Dr. Yuttana Kumsuwan (CMU)			
11:35 – 12:00	Asst. Prof. Dr. Lerdchai Sathitpanawong (ARU)			
12.00 - 12.25	Dr. Narudom Noulkhow (NIMT)			
Lunch				
13:30 – 14:45	Poster Session A1 Nattapong Kitsuwon	Poster Session B1 Chanon Warisarn	Poster Session C1 ECTI Chair	
Coffee Break 15 minute				
15:00 – 16:15	Poster Session A2 Ryuji Takahashi	Poster Session B2 Pipat Prommee	Poster Session C2 ECTI Chair	
16:15 – 17:30	Poster Session A3 Pham Cong Kha	Poster Session B3 Natapong Wongprommoon	Poster Session C3 ECTI Chair	
17:30 – 18:30	Committee Meeting		ARU Auditorium	
18:30 – 21:30	Banquet		Cameo Hotel	

3 Poster Sessions

Session A1-A3: ONLINE Group ZOOM ID: 966 0431 7648 Password: (No password)

QR Code

Session A1-A3:

Online Group



Time Session	13:30 – 14:45 A1 Information	15:00 – 16:15 A2 Engineering	16:15 – 17:30 A3 Physics
Paper ID	071, 072, 073, 074 084, 089, 093, 094 095, 034, 062	075, 076, 077, 079 081, 082, 085, 086 068, 023, 050	087, 090, 092, 078 080, 083, 088, 091 096, 029, 054

Session B1-B3: ONLINE Group ZOOM ID: 796 8041 2683 Password: E1BqmF

QR Code

Session B1-B3:

Online Group



Time Session	13:30 – 14:45 B1	15:00 – 16:15 B2	16:15 – 17:30 B3
Paper ID	003, 004, 006, 008 018, 019, 025, 030	031, 032, 035, 042 043, 048, 056, 057	058, 059, 060, 061 063, 064, 067

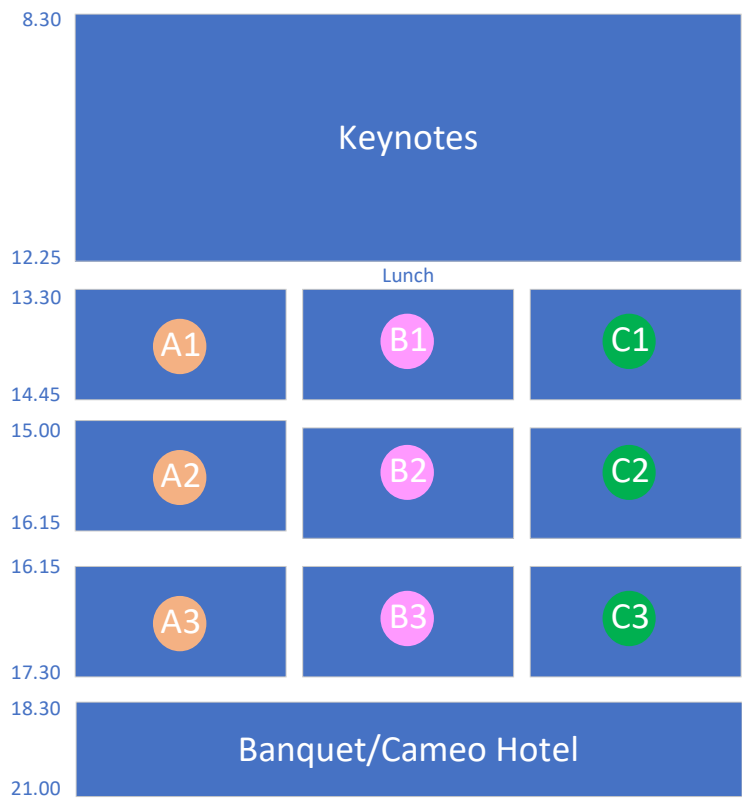
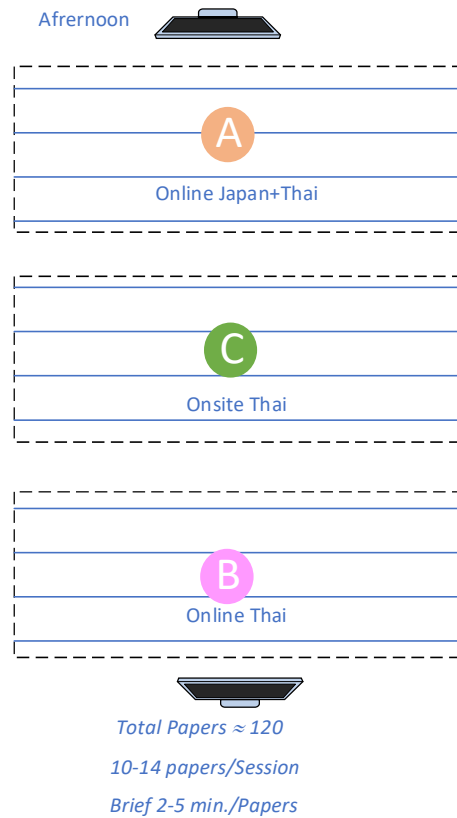
Session C1-C3: ONSITE Group (ARU Auditorium)

FB Live:



Time Session	13:30 – 14:45 C1	15:00 – 16:15 C2	16:15 – 17:30 C3
Paper ID	001, 002, 005, 007 009, 010, 011, 012 013, 014, 015, 016 017, 020, 097	021, 022, 024, 026 027, 028, 033, 036 037, 038, 039, 040 041, 099, 100	044, 045, 046, 047 049, 051, 052, 053 055, 065, 066, 069 070, 098

ARU Auditorium Map



Paper number assignment table

Session#	Paper # (ECTI)	Paper # (UEC)	Title	Authors
A1	71	2	Preliminary Study of Multi-factorial Evolutionary Algorithm Using Objective Similarities on Different Objective Landscapes	Shio Kawakami, Keiki Takadama, and Hiroyuki Sato
	72	3	A Development of a Web-based Cervical Range of Motion Estimation System for Video Analysis.	Kittisak Chotikkakamthorn
	73	4	Cortical Learning Based Action-decision Under Uncertain Environment	Kazushi Fujino
	74	5	A Forgetting Mechanism in Cortical Learning Algorithm for Time-series Forecast	Yuki Goto
	84	18	On the Robustness of Digital Watermarking Scheme for 3-D Models against Impulse Noise Attack	Kageaki Okazaki
	89	28	Carbonaceous material derived from bagasse-waste as anode for Li-ion batteries	Arikasuci Fitonna Ridassepri1, Fitria Rahmawati2, Agung Tri Wijayanta3, Jun Nakamura1
	94	19	Evaluate the performance of the Direction of Arrival Estimation using Long – Short Term Memory	Nam Ngo Duc, Hung Tran Van, Hinh Nguyen Van, Trong Thanh Han
	95	35	Weak-field asymptotic theory of tunneling ionization of the hydrogen molecule including core polarization, spectator nucleus, and internuclear motion effects	Hirokazu Matsui
A2	75	7	Signatures of Inter-Band Transitions on Dynamical Localization	Sara Medhet
	76	8	CONTROLLED FOUR-WAVE MIXING IN A NANOTRANSDUCER	Asma Javaid
	77	9	Reducing residual frame information in wavelet video coding using bandlet transform	Ryo Kato
	79	12	Study on the Natural Circulation of Different Secondary Coolant Salts in Molten Salt Reactor Using Computational Fluid Dynamics	Humam
	81	15	Growth of CuAlO2/Si by Digitally Processed DC Reactive Sputtering	Ali Mehdi
	82	16	The Rayleigh-Taylor Instability and Kelvin-Helmholtz Instability in a Two-Component Bose-Einstein Condensate	Ngoc-Uyen LE, Hiroki SAITO
	85	20	High Efficiency and Stable RF Energy Harvesting Power Supply for IoT Sensors	Shuntaro Saku,Koichiro Ishibashi
	86	24	Conventional Single Solar Still Equipped with PCM: Heat Transfer Analysis Using Thermal Resistance Network	Sutrisno 1 , Syamsul Hadi 2 , Eko Prasetya Budiana 3 and Agung Tri Wijayanta 4
A3	87	25	Drying Process of Waste LDPE (Low Density Polyethylene) for Pyrolysis: Apparatus Design	Ahmad Imam Rifa'i
	90	29	Variable Elite Population in Grid-based Multi-objective Evolutionary Optimization	Kensuke Kano
	92	32	HDR image composition using undecimated discrete wavelet transform	Hayaka Morozumi
	78	11	Effects of A-site Cations Cross-exchange on the Optical Properties, Hot Carrier Cooling in Halide Perovskite Materials	Hua Li, Chao Ding, Qing Shen
	80	13	Dynamical trapped quantum particle in time-dependent single-to-double well potentials	Aarouj Ahmed
	83	17	HowToEat: Towards Eating Scene Hand Interaction Detection and Eating Action Detection	Junwen Chen, Keiji Yanai
	88	26	Respiratory Sounds Classification Using Wavelet Transform and Transfer Learning	Long Trinh Hai, Dung Nguyen Tuan and Trong-Thanh Han
	91	31	Fake News Detection using Blockchain and AI	Raquiba Sultana
	96	27	Modeling of lower Ionospheric perturbations associated with proton aurora using numerical simulation of subionospheric VLF transmitter signals	Hiroki Nomoto