

AUN/SEED-Net Regional Conference on Computer and Information Engineering

RCCIE 2017 - Technical program in detail

DAY 1	Thursday, November 30, 2017			
08:00-08:30	Registration, Location: registration zone			
08:30-09:00	Conference hall (B4)			
	RCCIE opening ceremony			
09:00-10:00	Conference hall (B4)			
	Chair: Prof. Dr. Makoto Takizawa			
	KEYNOTE: "IoT Sensor Technologies to Address Issues of ASEAN Region" by Prof. Dr. Koichiro Ishibashi			
10:00-10:30	Coffee Break			
10:30-11:30	Conference hall (B4)			
	Chair: Prof. Dr. Colin Atkinson			
	KEYNOTE: "Web-Scale Workflow and Analytics" by Prof. Dr. M. Brian Blake			
Lunch				
13:30-14:15	Conference hall (B4)		CSE Meeting room	
	Chair: Prof. Dr. Jun Miura		AUN/SEED-Net FMM	
	KEYNOTE: "A Study of Noise Robust Speech Recognition on Robot" by Prof. Dr.Eng Yoshikazu Miyanaga			
	Room 507A4	Room 508A4		Room 509A4
	Chair: Mr. Alexander Abad	Chair: Prof. Dr. Win Zaw		Chair: Dr. Tran Hoang Hai
14:20-14:40	Mohamad Khairi Ishak, Mun Kit Ng <i>Design and Implementation of Robot Assisted Surgery based on Internet of Things (IoT)</i>	Cuong Pham-Quoc, Binh Tran-Thanh, Tran Ngoc Thinh <i>A Scalable FPGA-based Floating-point 2D Gaussian Smoothing Architecture</i>		Muhammad Aamir, SaadMekhilef <i>Novel Transformer-less Online Uninterruptible Power Supply (UPS) system</i>
14:40-15:00	Prayook Jatesiktat, Wei Tech Ang <i>Unsupervised Phase Extraction using Dual Autoencoder</i>	Rinaldi Munir <i>Visual Cryptography of Animated GIF Image Based on XOR Operation</i>		Do Trong Tuan and Ha Duyen Trung <i>Secured Data Transmission over Visible Light Communication Channels</i>
15:00-15:20	Coffee Break			
	Room 507A4	Room 508A4		Room 509A4
	Chair: Prof. Dr. Mohamad Khairi Ishak	Chair: Dr. Rinaldi Munir		Chair: Prof. Dr. Do Trong Tuan
15:20-15:40	Carl C. Dizon, Liezl C. Magpayo, Agatha C. Uy , Nestor Michael C. Tiglao <i>Development of an Open-space Visual Smart Parking System</i>	Duy Le Nguyen Khanh, Cuong Pham-Quoc, and Le Tan Quan <i>Computer and Network Forensics: Technology challenges and research questions in Vietnam</i>		Ong ChiWei, Averil Deng Xi Yan, Gideon Praveen Kumar, Saw Shier Nee, Fangsen Cui, Pei Ho, Leo Hwa Liang <i>Computational investigation of pulsatile blood flow in thoracic aortic aneurysm</i>
15:40-16:00	Selo Sulistyo , Agus Urip Ari Wibowo <i>VANET-based CATS in the Absence of Communication Infrastructure</i>	Ohnmar Khin, Montri Phothisonothai, Somsak Choomchuay <i>License Plate Detection of Myanmar Vehicle Images Captured from the Dissimilar</i>	Tran Hoang Hai, Ngo Hong Quyent, Nguyen Viet Hoa <i>Parameterized Patterns For Designing Timed Properties of Self-Adapting Component-Based</i>	
16:00-16:20	Alexander Abad, Princess Aguilar, Jose Antonio Danseco, Jayron De Leon, Joji Otani, Adrian Paul Sarmiento <i>Spherical Mobile Robots as Wireless Sensor Nodes for Ambient Temperature and</i>	Win Zaw <i>Modeling and Simulation of ISO 8583 Transaction Using Timed Colored Petri Net</i>	Phimmasone THAMMAVONGSY, Pornchai SUPNITHI, Watid PHAKPHISUT, Kornyanat HOZUMI, Takuya TSUGAWA <i>A Simple Neural Network Model Development for Spread-F Events in Chumphon, Thailand</i>	
16:20-16:40	Indrarini D. Irawati, Andriyan B. Suksmo, Ian J.M. Edward <i>Local Interpolated Compressive Sampling for Internet Traffic Reconstruction</i>	May Phu Paing, Somsak Choomchuay <i>A Study of Pulmonary Nodules from Multislice Computed Tomography using 3-D Structure</i>	Tran Nguyen Vo, Chau Tran, Tran Ngoc Thinh <i>An FPGA-based High Throughput Feature Construction Architecture for Network Instruction Detection</i>	
19:00 - 21:00	Invited Dinner			

DAY 2		Friday, December 1, 2017	
08:00-09:30	Registration, Location: Registration zone		
8:30-09:30	Conference hall (B4)		
	Chair: Prof. Dr. Fabio Massacci		
	KEYNOTE "Eco Models of Distributed Systems" by Prof. Dr. Makoto Takizawa		
09:30-10:30	Conference hall (B4)		
	Chair: Prof. Dr. Makoto Takizawa		
	KEYNOTE "Study on the comparison of the difference of human behavior between the real and the virtual environment using HMD" by Prof. Dr. Kazuhiko Hamamoto		
10:30-11:00	Coffee Break		
11:00-12:00	Conference hall (B4)		
	Chair: Prof. Dr. Koichiro Ishibashi		
	INDUSTRY TALK: Title: Accelerated computing for AI Speaker: Mr. Simon See		
Lunch			
13:30 - 14:15	Conference Hall		
	Chair: Prof. Dr. Yoshikazu Miyanaga		
	KEYNOTE "Intelligent Robot Technologies for Care and Lifestyle Support" by Prof. Dr. Jun Miura		
	Room 508A4	Room 509A4	CSE Meeting room
	Chair: Dr. Zati Azizul	Chair: Prof. Dr. Ian J.M. Edward	
14:20-14:40	Ahmad Safwan Haron, Mohamad Sofian Abu Talip, Anis Salwa Mohd Khairuddin and Tengku Faiz Tengku Mohamed Noor Izam	Alfabi Muhlisin Sakti, Adha Imam Cahyadi and Igi Ardiyanto	
	<i>Internet of Things Platform on ARM/FPGA Using Embedded Linux</i>	<i>Path Planning and Path Following Using Arrival Time Field for Nonholonomic Mobile Robot</i>	
14:40-15:00	Trong Nhan Le, Tan Phuong Vo and Anh Vu Dinh Duc	Hoang Hai Tran, Phuong Nguyen	
	<i>Plug-In Multi-Source Energy Harvesting for Autonomous Wireless Sensor Networks</i>	<i>A Pricing Model for Sharing Cloudlets in Mobile Cloud Computing</i>	
15:00-15:20	Coffee Break		
15:20-16:20	Room 508A4	Room 509A4	Backup
	Chair: Prof. Dr. Igi Ardiyanto	Chair: Dr. Mohamad Sofian Abu Talip	
	Thanh-Dang Diep, Nam Thoai	Nilar Thein, Hanung Adi Nugroho, I Wayan Mustika, Teguh Bharata Adji	
	<i>A Time-Stamping System to Preserve the Ordering of Events in MPI One-Sided Communication</i>	<i>Comparative performance study on ordinary and chaos image encryption schemes</i>	
	Zati Azizul, Azri Khanil	Thi Ai Thao Nguyen, Tran Khanh Dang, Quynh Chi Truong, Dinh Secure Biometric-based Remote Authentication Protocol using Chebyshev Polynomials and Fuzzy Extractor	
Minh Thanh Chung, Kien Trung Pham, Manh-Thin Nguyen, Nam Thoai	Tran Hoang Hai, Ngo Hong Quyet, Nguyen Viet Hoa		
	<i>Scheduling Solution for Thread-Mapping of Scientific Workloads on Heterogeneous Cluster - CPU/Coprocessor</i>	<i>A Development Process For Designing Extra-Properties of Self-Adapting Component-Based Systems</i>	
16:20 - 16:50	Conference Hall		
	Presentation from AUN/SEED-Net		
19:00 - 22:00	Gala Dinner		