IAIT2018 Conference Programme (tentative)　　Venue: KX

(KMUTT Knowledge Exchange for Innovation Center)

Day 1: Tuesday, 11 December 2018

Opening Ceremony and Keynote Speech

8.30-9.00 a.m.	Registration (10th Floor)
9.00-9.15 a.m.	**Opening Ceremony**
9.15-10.15 a.m.	**Keynote Speech:** *Kunihiko Fukushima,* 　　　　　　　Fuzzy Logic Systems Institute, Japan **Topic:** Deep CNN Neocognitron for Artificial Vision Senior Research Scientist
10.15-10.30 a.m.	Coffee Break
10.30-11.15 a.m.	**Keynote Speech:** *Limsoon Wong,* 　　　　　　　National University of Singapore, Singapore **Topic:** Dealing with Confounders in Omics Analysis
11.15- 12.00 a.m.	Open Session (CsBio2018 session and DLAI2 Winter School session)
12.00 a.m.-1.00 p.m.	Lunch (9th Floor)

Session A: Smart e-services and Internet Applications (4 papers)
Chair: *Assistant Professor Dr. Narongrit Waraporn*

1.00-2.30 p.m.	**(27) Quality of Smartphone User Experience Analysis: Focusing on Smartphone Screen Brightness Level for the Elderly** *Thawanrut Sutika, Suree Funilkul, Tuul Triyason and Montri Supattatham*
	(40) An Architectural Design of ScratchThAI A conversational agent for Computational Thinking Development using Scratch *Kantinee Katchapakirin and Chutiporn Anutariya*
	(49) Exploring the Antecedents of Computer Programming Self-Efficacy *Pruthikrai Mahatanankoon*
	(24) Satja: Thai Elderly Speech Corpus for Speech Recognition *Suphunnee Prajongjai, Tuul Triyason and Pornchai Mongkolnam*
2.30-2.45 p.m.	Coffee Break

Session B: Smart Networks and Computing Platform Technologies (5 papers)
Chair: *Dr. Tuul Triyason*

2.45-5.00 p.m.	**(65) Collaborative Filtering for Personalised Facet Selection** *Siripinyo Chantamunee, Kok Wai Wong and Chun Che Fung*
	(29) Node-to-node Disjoint Paths in Twisted Crossed Cubes *Hiroki Nagashima, Kousuke Mouri and Keiichi Kaneko*
	(30) Fault-tolerant Routing Methods in Crossed Cubes *Koji Otake, Kousuke Mouri and Keiichi Kaneko*

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	(48) A Security Model based Authorization Concept for OPC Unified Architecture *Kevin Wallis, Marc Merzinger, Christoph Reich and Christian Schindelhauer*
	Track 4: Smart Visual Media **(22) Emotion in A Century: A Review of Emotion Recognition** *Thanyathorn Thanapattheerakul, Katherine Mao, Jacqueline Amoranto and Jonathan Hoyin Chan*
06.00-08.00 p.m.	**Conference Dinner**

Day 2: Wednesday, 12 December 2018	
8.30-9.15 a.m.	Registration (10th Floor)
9.15-10.30 a.m.	**DLAI2 Speaker:** *Sansanee Auephanwiriyakul,* Chiang Mai University, Thailand **Topic:** String Grammar Fuzzy Clustering in Data Analysis
10.30-10.45 a.m.	Coffee Break
Session C: Smart Networks and Computing Platform Technologies (4 papers) **Chair:** *Dr. Tuul Triyason*	
10.45-12.00 a.m.	**(57) A Policy Revocation Scheme for Attributes-based Encryption** *Phyo Wah Wah Myint, Swe Zin Hlaing and Ei Chaw Htoon*
	(64) Quality Provisioning in the Internet of Things Era: Current State and Future Directions *Debajyoti Pal, Vajirasak Vanijja and Vijayakumar Varadarajan*
	(68) Security-Driven Information Flow Modelling for Component Integration in Complex Environments *Veronika Kupfersberger, Thomas Schaberreiter and Gerald Quirchmayr*
	(33) An Ontology-based Approach for Plant Disease Identification System *Watanee Jearanaiwongkul, Chutiporn Anutariya and Frederic Andres*
12.00 – 1.00 p.m.	Lunch (9th Floor)
Session D: Smart Data Management and Analytics (4 papers) **Chair**: *Assistant Professor Dr. Bunthit Watanapa*	
1.00-2.30 p.m.	**(55) An Improved English-Thai Translation Framework for Non-timing Aligned Parallel Corpora Using Bleualign with Explicit Feedback** *Ryan Coughlin, Rachsuda Setthawong and Pisal Setthawong*
	(26) Trigger Detection System for American Sign Language using Deep Convolutional Neural Networks *Debasrita Chakraborty, Deepankar Garg, Ashish Ghosh and Jonathan Hoyin* Chan

Day 2: Wednesday, 12 December 2018	
	(32) A Deep Look into Logarithmic Quantization of Model Parameters in Neural Networks *Jingyong Cai, Masashi Takemoto and Hironori Nakajo*
	(56) Stock Selection Using Association Rules on Cash Flow and Accrual Financial Indicators *Amontep Wijitcharoen, Praisan Padungweang, Bunthit Watanapa and Sanit Sirisawatvatana*
2.30-2.45 p.m.	Coffee Break
Session E: Smart Data Management and Analytics (3 papers) **Chair**: *Associate Professor Dr. Xiangmin Zhang*	
2.45-4.00 p.m.	**(2) Enhancing GLSLIM Using User Preference Change Marking Algorithm** *Chayapol Moemeng, Rachsuda Setthawong and Thitipong Tanprasert*
	(61) A Proposal of CS-index Approach for SPARQL Queries Considering Chain and Star Shaped Subgraphs *Khin Myat Kyu, Kay Thi Yar and Aung Nway Oo*
	(43) Sentiment Analysis of Big Data using Hadoop MapReduce: A survey *Mariam Khader, Arafat Awajan and Ghazi Al-naymat*

Day 3: Thursday, 13 December 2018	
9.00a.m.-5.00p.m.	Excursion (Ayutthaya) <u>Note</u>: *Additional Fee, This is not included in your conference fee*

Presentation Guidelines

You will probably wish to prepare some PowerPoint slides to support your presentation. Prepare your slides as a PowerPoint file or a PDF and bring them with you to the conference. We recommend that you will bring your presentation on a portable memory device and will need to load your presentation onto the given computer before starting your session, to facilitate a smooth transition between speakers. You will not generally be able to plug your own laptop into the conference projection system. If you require special technology for your presentation please email *iait@sit.kmutt.ac.th* as soon as you can and we will do our best to help you.

Guidelines for Presentations
- The time allocated for a presentation is 15 minutes, with a further 5 minutes allowed for discussion.
- It is generally distracting to the audience to have too many slides in a short presentation
- Do not put too much text on a slide – you want the audience to listen to you and not to be reading your slides.