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| 08:00 | **REGISTRATION**                                                                                 | Venue: Floor 1<sup>st</sup>, Ta Quang Buu Library, Hanoi University of Science and Technology  
*Address: No. 1, Dai Co Viet Rd, Hanoi, Vietnam* |
| 08:30 | **CONFERENCE OPENING**                                                                            | Venue: Floor 10<sup>th</sup>, Conference Hall |
| 09:00 | **KEYNOTE I:** Dumb Web, Smart Web, Knowledgeable Web  
*Gabriele Anders-Rotsis, Johannes Kepler University Linz, Austria*  
**KEYNOTE II:** Domain Specific Languages: From Craft to Engineering  
*Jean-Marc Jezequel, University of Rennes, IRISA, France* |
| 10:30 | **COFFEE BREAK** – Floor 8<sup>th</sup>                                                            |                           |
| 11:00 | **SolICT Session 1 – Room 702**  
*Computing Algorithms*  
*Hung Le, Fei Liu and Khang Tran.* Mathematical Fuzzy Logic with Many Dual Hedges  
*Van-Hau Nguyen and Son Mai Thai.* Solving the All-Interval Series Problem: SAT vs. CP  
*Ban Ha Bang and Nguyen Duc Nghia.* A parallel algorithm combines Genetic algorithm and Ant Colony algorithm for the Minimum Latency Problem |
|       | **SolICT Session 2 – Room 903**  
*Intelligent System I*  
*Thai-Nghe Nguyen and Chi-Ngon Nguyen.* An Approach for Building an Intelligent Parking Support System  
*Hai Van Pham, Philip T Moore and Tran Dinh Khang.* Context Matching with Reasoning and Decision Support using Hedge Algebra with Kansei Evaluation  
| 12:00 | **LUNCH** – Floor 10<sup>th</sup>                                                                    |                           |
| 13:00 | **SolICT Invited Talks Session - Room 702**  
*Last-Mile Delivery in Smart Cities*  
*Hoong Chuin Lau, Singapore Management University, Singapore*  
*Exploring Linked Statistical Data Using Linked Widgets*  
*A. Min Tjoa, Vienna University of Technology, Austria*  
*Mending Fences Under Weak Memory Models*  
*Mohamed F. Atig, Uppsala University, Sweden*  
*The 3rd Computing Platform*  
*The Trung Tran, FTRI, FPT University, Vietnam* |
| 15:00 | **COFFEE BREAK** – Floor 8<sup>th</sup>                                                            |                           |
| 15:20 | **SolICT Session 3 – Room 702**  
*Knowledge Based Systems*  
*Diep Nguyen Ngoc, Cuong Pham and Phuong Tu.* A classifier based approach to real-time fall detection using low-cost wearable sensors  
*Binh Nguyen Thanh, Duc Nguyen Huu and Thuy Nguyen Thanh.* Translation from BPMN to BPEL, current techniques and limitations  
*Haesung Tak, Daegeon Kwon, Sung-Hwan Kim and Cho Hwan Gue.* Constructing Keywords Network for Query-by-Example mode Text Searching  
*Anh Nguyen Kim and Thuc Hung Pham.* Generating Relevant and Diverse Query Phrase Suggestions using Topical N-grams  
*Anh Nguyen Kim, Toi Nguyen Khac and Linh Ngo Van.* An Interpretable Method for Text Summarization Based on simplicial Non-negative Matrix Factorization |
|       | **SolICT Session 4 – Room 903**  
*Cloud Computing and Big Data*  
*Tuan Phung-Duc.* Server farms with batch arrival and staggered setup  
*Cong-Thinh Huynh, Tien-Dung Nguyen, Huu-Quoc Nguyen and Eui-Nam Huh.* Cost efficient Real-time Applications Scheduling in Mobile Cloud Computing  
*Yuki Kitsukawa, Manato Hirabayashi, Shinpei Kato and Masato Edahiro.* Exploring the Problem of GPU Programming for Data-Intensive Applications: A Case Study of Multiple Expectation Maximization for Motif Elicitation  
*Tu Nguyen Anh and Young-Koo Lee.* Improvement of Image Representation for Large-scale Image Retrieval  
*Binh Minh Nguyen and Quang Minh Dao.* Towards a Semantic Model of Resource in Cloud Environment |
### Friday, 5th December 2014

**08:30**

**KEYNOTE III:** Resilient Optical Network Virtualization  
*Brigitte Jaumard, Concordia University, USA*

**KEYNOTE IV:** Empirical Research in Information Security  
*Edgar Weippl, SBA Research, Austria*

Venue: Floor 10, Conference Hall

**10:00**

COFFEE BREAK – Floor 8th

**10:30**

**SoICT Tutorial – Room 702**  
Personalisation with Targeted Service Provision in Context-Aware Systems  
*Philip Moore, Lanzhou University*

**12:00**

LUNCH – Floor 10th

**13:00**

**SoICT Session 5 – Room 702**  
Image Processing and Computer Vision

- **Thi-Lan Le,** Duc-Tuan Tran and Van-Nam Hoang. Fully automatic leaf-based plant identification, application for Vietnamese medicinal plant search
- **Truc Hung Ngo,** Masataka Seo, Yen-Wei Chen and Naoki Matsushiro. Quantitative Assessment of Facial Paralysis Using Local Binary Patterns and Gabor Filters
- **Sang Dinh Viet,** Loi Mai Dinh, Quang Nguyen Tien, Binh Huynh Thanh and Thuy Nguyen Thi. Improving Semantic Texton Forests with a Markov Random Field for Image Segmentation
- **Trong-Nguyen Nguyen,** Huu Hung Huynh and Jean Meunier. Extracting Silhouette-based Characteristics for Human Gait Analysis using One Camera
- **Lan Anh Trinh,** Nguyen Duc Thang, Hoang-Hai Tran and Tran Cong Hung. Human Extraction from a Sequence of Depth Images Using Segmentation and Foreground Detection
- **Tung Pham Thanh** and Ngoc Ly Quoc. Elliptical Density Shape Model for Hand Gesture Recognition

**SoICT Session 6 – Room 903**  
Communication Engineering and Network Security

- **Istiaque Shariar,** Dongyu Qiu and Brigitte Jaumard. Cooperative Channel Resource Sharing in P2P Networks
- **Brigitte Jaumard,** Honghui Li, Caroline Rocha and Minh Bui. Shortcut Np-Cycles with no Loop Backs
- **Hui Wang,** Michael Jenkin and Patrick Dymond. Deterministic Topological Visual SLAM
- **Linh Truong and Quang Huy Duong.** How simple routing algorithms are good for solving RWA problem in Survival Optical Networks?
- **Le Dang Nguyen,** Dac-Nhuong Le and Vinh Trong Le. Detecting Phishing Web Pages based on DOM-Tree Structure and Graph Matching Algorithm
- **Truong Son Pham,** Quang Uy Nguyen and Xuan Hoai Nguyen. Generating Artificial Attack Data for Intrusion Detection Using Machine Learning

**15:00**

COFFEE BREAK – Floor 8th

**15:20**

**SoICT Session 7 – Software Engineering**  
Room 702

- **Neeraj Singh** and Dominique Mery. Formal Evaluation of Landing Gear System
- **Giang Nguyen,** Ladislav Hluchý, Jaroslav Tobík, Viera Šípková, Miroslav Dobrucký, Ján Astaloš, Viet Tran and Robert Andok. Unified nanoscale gateway to HPC and Grid environments.
- **William Durand** and Sébastien Salva. Inferring models with rule-based expert systems.
- **Le Thi My Hanh,** Nguyen Thanh Binh and Khuat Thanh Tung. Applying the meta-heuristic algorithms for mutation-based test data generation for Simulink models

**SoICT Session 8 – Intelligent System II**  
Room 702

- **Le Nguyen Hoai** and Anh Duong Tuan. Extracting Rules from Neural Networks for Time Series Prediction
- **Van Anh Trinh Thi** and Xuan Dau Hoang. A Crossed-domain Sentiment Analysis System for the Discovery of Current Careers from Social Networks
- **Hung Phan** and Tuan-Dung Cao. Applying skip-gram word estimation and SVM-based classification for opinion mining Vietnamese food places text reviews

**18:00 – 21:30**

CONFERENCE GALA DINNER  
Venue: LOTUS West Lake Restaurant, 614 Lac Long Quan, Tay Ho, Hanoi