

SoICT 2014 TECHNICAL PROGRAM

Thursday, 4th December 2014

08:00	REGISTRATION Venue: Floor 1 st , 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 th , Conference Hall	
09:00	KEYNOTE I: Dumb Web, Smart Web, Knowledgeable Web <i>Gabriele Anderst-Kotsis, Johannes Kepler University Linz, Austria</i> KEYNOTE II: Domain Specific Languages: From Craft to Engineering <i>Jean-Marc Jezequel, University of Rennes, IRISA, France</i> Venue: Floor 10 th , Conference Hall	
10:30	GROUP PHOTO – Floor 10th	
10:40	COFFEE BREAK – Floor 8th	
11:00	<p style="text-align: center;">SolICT Session 1 – Room 702 Computing Algorithms Session Chair: Quang Dung Pham</p> <p><i>Hung Le, Fei Liu and Khang Tran.</i> Mathematical Fuzzy Logic with Many Dual Hedges</p> <p><i>Van-Hau Nguyen and Son Mai Thai.</i> Solving the All-Interval Series Problem: SAT vs. CP</p> <p><i>Truc Hung Ngo, Masataka Seo, Yen-Wei Chen and Naoki Matsushiro.</i> Quantitative Assessment of Facial Paralysis Using Local Binary Patterns and Gabor Filters</p>	<p style="text-align: center;">SolICT Session 2 – Room 903 Intelligent System I Session Chair: Philip Moore</p> <p><i>Thai-Nghe Nguyen and Chi-Ngon Nguyen.</i> An Approach for Building an Intelligent Parking Support System</p> <p><i>Hai Van Pham, Philip T Moore and Tran Dinh Khang.</i> Context Matching with Reasoning and Decision Support using Hedge Algebra with Kansei Evaluation</p> <p><i>Dinh-Van Nguyen, Trung-Kien Dao, Viet-Tung Nguyen and Eric Castelli.</i> System Design, Implementation and Applications of a Pervasive-Space Platform</p>
12:00	LUNCH – Floor 10th	
13:00	<p style="text-align: center;">SolICT Invited Talks Session - Room 702 Chair: Vaclav Hlavac</p> <p style="text-align: center;">Last-Mile Delivery in Smart Cities <i>Hoong Chuin Lau, Singapore Management University, Singapore</i></p> <p style="text-align: center;">Exploring Linked Statistical Data Using Linked Widgets <i>A. Min Tjoa, Vienna University of Technology, Austria</i></p> <p style="text-align: center;">Mending Fences Under Weak Memory Models <i>Mohamed F. Atig, Uppsala University, Sweden</i></p> <p style="text-align: center;">The 3th Computing Platform <i>The Trung Tran, FTRI, FPT University, Vietnam</i></p>	
15:00	COFFEE BREAK – Floor 8th	
15:20	<p style="text-align: center;">SolICT Session 3 – Room 702 Knowledge Based Systems Session Chair: Xuan Hoai Nguyen</p> <p><i>Diep Nguyen Ngoc, Cuong Pham and Phuong Tu.</i> A classifier based approach to real-time fall detection using low-cost wearable sensors</p> <p><i>Binh Nguyen Thanh, Duc Nguyen Huu and Thuy Nguyen Thanh.</i> Translation from BPMN to BPEL, current techniques and limitations</p> <p><i>Haesung Tak, Daegwon Kwon, Sung-Hwan Kim and Cho Hwan Gue.</i> Constructing Keywords Network for Query-by-Example</p>	<p style="text-align: center;">SolICT Session 4 – Room 903 Cloud Computing and Big Data Session Chair: Duc Nguyen Huu</p> <p><i>Tuan Phung-Duc.</i> Server farms with batch arrival and staggered setup</p> <p><i>Cong-Thinh Huynh, Tien-Dung Nguyen, Huu-Quoc Nguyen and Eui-Nam Huh.</i> Cost efficient Real-time Applications Scheduling in Mobile Cloud Computing</p> <p><i>Yuki Kitsukawa, Manato Hirabayashi, Shinpei Kato and Masato Edahiro.</i> Exploring the Problem of GPU Programming for Data-Intensive Applications: A Case Study</p>

	<p>mode Text Searching</p> <p><i>Anh Nguyen Kim and Thuc Hung Pham.</i> Generating Relevant and Diverse Query Phrase Suggestions using Topical N-grams</p> <p><i>Anh Nguyen Kim, Toi Nguyen Khac and Linh Ngo Van.</i> An Interpretable Method for Text Summarization Based on simplicial Non-negative Matrix Factorization</p>	<p>of Multiple Expectation Maximization for Motif Elicitation</p> <p><i>Tu Nguyen Anh and Young-Koo Lee.</i> Improvement of Image Representation for Large-scale Image Retrieval</p> <p><i>Binh Minh Nguyen and Quang Minh Dao.</i> Towards a Semantic Model of Resource in Cloud Environment</p>
17:00	WELCOME RECEPTION - Venue: Floor 10th, Canteen	
18:30	Depart from HUST to Zephyr Hotel	

Friday, 5th December 2014

08:30	<p>KEYNOTE III: Resilient Optical Network Virtualization <i>Brigitte Jaumard, Concordia University, USA</i></p> <p>KEYNOTE IV: Empirical Research in Information Security <i>Edgar Weippl, SBA Research, Austria</i></p> <p>Venue: Floor 10, Conference Hall</p>	
10:00	COFFEE BREAK – Floor 8th	
10:30	<p>SoICT Tutorial – Room 702</p> <p>Personalisation with Targeted Service Provision in Context-Aware Systems <i>Philip Moore, Lanzhou University</i></p>	
12:00	LUNCH – Floor 10th	
13:00	<p>SoICT Session 5 – Room 702 Image Processing and Computer Vision Session Chair: Thuy Nguyen Thi</p> <p><i>Thi-Lan Le, Duc-Tuan Tran and Van-Nam Hoang.</i> Fully automatic leaf-based plant identification, application for Vietnamese medicinal plant search</p> <p><i>Sang Dinh Viet, Loi Mai Dinh, Quang Nguyen Tien, Binh Huynh Thanh and Thuy Nguyen Thi.</i> Improving Semantic Texton Forests with a Markov Random Field for Image Segmentation</p> <p><i>Trong-Nguyen Nguyen, Huu Hung Huynh and Jean Meunier.</i> Extracting Silhouette-based Characteristics for Human Gait Analysis using One Camera</p> <p><i>Lan Anh Trinh, Nguyen Duc Thang, Hoang-Hai Tran and Tran Cong Hung.</i> Human Extraction from a Sequence of Depth Images Using Segmentation and Foreground Detection</p> <p><i>Tung Pham Thanh and Ngoc Ly Quoc.</i> Elliptical Density Shape Model for Hand Gesture Recognition</p>	<p>SoICT Session 6 – Room 903 Communication Engineering and Network Security Session Chair: Ian Welch</p> <p><i>Istiaque Shariar, Dongyu Qiu and Brigitte Jaumard.</i> Cooperative Channel Resource Sharing in P2P Networks</p> <p><i>Brigitte Jaumard, Honghui Li, Caroline Rocha and Minh Bui.</i> Shortcut Np-Cycles with no Loop Backs</p> <p><i>Hui Wang, Michael Jenkin and Patrick Dymond.</i> Deterministic Topological Visual SLAM</p> <p><i>Linh Truong and Quang Huy Duong.</i> How simple routing algorithms are good for solving RWA problem in Survival Optical Networks?</p> <p><i>Le Dang Nguyen, Duc-Nhuong Le and Vinh Trong Le.</i> Detecting Phishing Web Pages based on DOM-Tree Structure and Graph Matching Algorithm</p> <p><i>Truong Son Pham, Quang Uy Nguyen and Xuan Hoai Nguyen.</i> Generating Artificial Attack Data for Intrusion Detection Using Machine Learning</p>
15:00	COFFEE BREAK – Floor 8th	
15:20	<p>SoICT Session 7 – Room 702 Software Engineering Session Chair: Thanh Binh Nguyen</p> <p><i>Neeraj Singh and Dominique Mery.</i> Formal Evaluation of Landing Gear System</p> <p><i>Giang Nguyen, Ladislav Hluchý, Jaroslav Tobik, Viera Šipková, Miroslav Dobrucký, Ján Astaloš, Viet Tran and Robert Andok.</i> Unified nanoscale gateway to HPC and Grid environments.</p> <p><i>William Durand and Sébastien Salva.</i> Inferring models with</p>	<p>SoICT Session 8 – Room 903 Intelligent System II Session Chair: Hai Van Pham</p> <p><i>Le Nguyen Hoai and Anh Duong Tuan.</i> Extracting Rules from Neural Networks for Time Series Prediction</p> <p><i>Van Anh Trinh Thi and Xuan Dau Hoang.</i> A Crossed-domain Sentiment Analysis System for the Discovery of Current Careers from Social Networks</p> <p><i>Hung Phan and Tuan-Dung Cao.</i> Applying skip-gram word estimation and SVM-based classification for opinion mining</p>

	rule-based expert systems. <i>Le Thi My Hanh, Nguyen Thanh Binh and Khuat Thanh Tung.</i> Applying the meta-heuristic algorithms for mutation-based test data generation for Simulink models	Vietnamese food places text reviews <i>Ban Ha Bang and Nguyen Duc Nghia.</i> A parallel algorithm combines Genetic algorithm and Ant Colony algorithm for the Minimum Latency Problem
16:45	Depart from HUST to Zephyr Hotel	
17:30	Depart from Zephyr to SEN Tay Ho Restaurant (LOTUS West Lake Restaurant)	
18:00 – 21:30	CONFERENCE GALA DINNER Venue: LOTUS West Lake Restaurant, 614 Lac Long Quan, Tay Ho, Hanoi (Nhà hàng SEN Tây Hồ - 614 Lạc Long Quân, Tây Hồ, Hà Nội)	
21:30	Depart from SEN West Lake Restaurant to City Center (Zephyr Hotel)	

Saturday, 6th December 2014

08:15 – 11:30	FREE HALF-DAY HANOI CITY TOUR Meeting Venue: Zephyr Hotel @ 08.15 AM
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Steering Committee Room: Meeting Room 816

Participants Room: Computer Room 811

DAILY SHUTTLE BUS SCHEDULE

Thursday, 4 December 2014

MORNING	Zephyr Hotel	HUST
Bus A	7:30	7:45
Bus B	7:45	8:00
Bus A	8:00	8:15
Bus B	8:15	8:30

AFTERNOON	HUST	Zephyr Hotel
Buses A, B, C	18:30	18:45

Friday, 5 December 2014

MORNING	Zephyr Hotel	HUST
Bus A	7:30	7:45
Bus B	7:45	8:00
Bus A	8:00	8:15
Bus B	8:15	8:30

AFTERNOON	HUST	Zephyr Hotel			Gala Dinner	Zephyr Hotel
Buses A, B	16:30	16:45	<i>break</i>	17:15	18:00 – 21:30	22:00
Bus C	16:50	-	-	-	18:00 – 21:30	22:00

Note: Bus C goes directly from HUST to Gala Dinner.