ACOMP 2014 - FINAL TECHNICAL PROGRAM AT A GLANCE
International Conference on Advanced Computing and Applications
Ho Chi Minh City, Vietnam, November 19-21, 2014
(co-located with FDSE 2014)

DAY 1	Wednesday, November 19, 2014		
08:00-09:00	**Registration**, Location: B4's Lobby		
9:00-9:30	**Opening Ceremony**, Room = Hall B4		
Keynote Session. **Time: 9:30 - 11:50** **Room: Hall B4**			
09:30-10:30	**Chair: Prof. Dr. Josef Küng**		
	KEYNOTE 1. **"Data Mining on Forensic Data: Challenges and Opportunities"** by *Prof. Dr. M-Tahar Kechadi*		
10:30-10:50	Coffee Break		
10:50-11:50	**Chair: Prof. Dr. Koichiro Ishibashi**		
	KEYNOTE 2. **"Recent ITS Research and Development in Japan"** by *Prof. Dr. Yasushi Yamao*		
	Lunch		
13:00-15:00	Room: 401B4	Room: 402 B4	Room: 403B4
	FDSE 2014 Session: Big Data Analytics and Applications	ACOMP 2014 Session: Embedded Systems and VLSI Design (ESVD)	ACOMP 2014 Session: Advances in Security and Information Systems
15:00-15:15	Coffee Break		
15:15-17:45	FDSE 2014 Session: Security and Privacy Engineering	ACOMP 2014 Session: Image Processing and Visualization (IPV)	ACOMP 2014 Session: Advances in Security and Information Systems
19:00 - 21:00	**Welcome party**		

DAY 2	Thursday, November 20, 2014	
08:30-09:00	**Registration**, Location: B4's Lobby	
Keynote Session. **Time: 9:00 - 11:20** **Room: Hall B4**		
09:00-10:00	**Chair: Prof. Dr. M-Tahar Kechadi**	
	KEYNOTE 3. **"Further Application on RFID with Privacy-Preserving"** by Prof. Dr. Atsuko Miyaji	
10:00-10:20	Coffee Break	
10:20-11:20	**Chair: Prof. Dr. Atsuko Miyaji**	
	KEYNOTE 4. **"Handwriting-based User Interfaces"** by *Prof. Dr. Masaki Nakagawa*	
	Lunch	
13:00-15:00	Room: Hall B4	Room: 405B4
	FDSE 2014 Session: Biometrics and Data Protection in Smart Devices; Chair = TBC	ACOMP 2014 Session: Image Processing and Visualization (IPV)
15:00-15:15	Coffee Break	
15:15-17:15	FDSE 2014 Session: Advances in Query Processing and Optimization	ACOMP 2014 Session: Embedded Systems and VLSI Design (ESVD)
19:00 - 21:00	**Invited Dinner**	

DAY 3	Friday, November 21, 2014		
08:30-09:00	**Registration**, Location: B4's Lobby		
Keynote Session. **Time: 9:00 - 10:00** **Room: Hall B4**			
09:00-10:00	**Chair: Prof. Dr. Dirk Draheim**		
	KEYNOTE 5. **"Modeling Spatial Uncertainty of Fuzzy Information in Images for Biomedical Pattern Classification"** by *Prof. Dr. Tuan D. Pham*		
10:00-10:20	Coffee Break		
10:20-11:50	Room: Hall B4		
	ACOMP 2014 Session: Advanced Computing		
	Lunch		
13:00-15:00	Room: Hall B4	Room: 301B4	Room: 303B4
	FDSE 2014 Session: Cloud Data Management and Applications	ACOMP 2014 Session: HPSC and Advances in Software Engineering	ACOMP 2014 Session: Advances in Security and Information Systems
15:00-15:15	Coffee Break		

15:15-16:45	FDSE 2014 Session: Crowdsourcing and Social Network Data Analytics	ACOMP 2014 Session: High Performance & Scientific Computing (HPSC)	ACOMP 2014 Session: IPV and ESVD
19:00 - 22:00	Gala Dinner		

DAY 4&5:	Saturday & Sunday, November 22-23, 2014: Post-Conference Tour

ACOMP-2014, FINAL TECHNICAL PROGRAM IN DETAIL
International Conference on Advanced Computing and Applications
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DAY 1:	Wednesday, November 19, 2014		
08:00-09:00	Registration, Location: B4's Lobby		
09:00-09:30	Opening Ceremony, Room = Hall B4		
	Keynote Session, Room = Hall B4		
KEYNOTE 1	Chair: Prof. Dr. Josef Küng		
09:30-10:30	Data Mining on Forensic Data: Challenges and Opportunities (Prof. Dr. M-Tahar Kechadi)		
10:30-10:50	Coffee Break		
KEYNOTE 2	Chair: Prof. Dr. Koichiro Ishibashi		
10:50-11:50	Recent ITS Research and Development in Japan (Prof. Dr. Yasushi Yamao)		
	Lunch		

	Room = 402B4		Room = 403B4	
	Session: Embedded Systems and VLSI Design (ESVD) **Chair: Prof. Dr. Koichiro Ishibashi**		**Session: Advances in Security and Information Systems** **Chair: Dr. Peter Regner**	
13:00-13:30	A verification method of a partitioned circuit with a high level synthesis tool based on java language	Hironori Nakajo, Kazuya Matsuda, Takefumi Miyoshi, Masashi Takemoto, Satoshi Funada	Embedding formal models into Latex documents	Jan Kubový, Josef Küng
13:30-14:00	A cost-effective smart building solution	Quan Le-Trung, Minh-Son Nguyen	Information extraction from heterogeneous sources based on domain specific ontology	Chien Ta D C, Tuoi Phan Thi
14:00-14:30	Applying constrained application protocol in data transmission for wireless water quality monitoring systems	Tran Thanh Binh, Bui Van Hieu, Tran Ngoc Thinh, Hiroshi Ishii	A checking temporal integrity constraints in temporal databases depending on user selection	Pham van Chung, Vu Thanh Phong
14:30-15:00	Development of a Quagga/Zebra-based wireless ad-hoc router	Quan Le-Trung, Van-Hau Pham	Information extraction and integration based crowdsourcing platform in real-world	Pham Nguyen Son Tung, Tran Minh Triet, Nguyen Pham Hoang Anh, Nguyen Ngoc Dung, Nguyen Thi My Hue
15:00-15:15	Coffee Break		Coffee Break	
	Session: Image Processing and Visualization (IPV) **Chair: Dr. Synh Viet-Uyen Ha**		**Session: Advances in Security and Information Systems** **Chair: Dr. Nguyen Thanh Binh**	
15:15-15:45	Disorder detection approach to background modeling in traffic surveillance system	Tien Phuoc Nguyen, Duong Nguyen-Ngoc Tran, Tu Kha Huynh, Synh Viet-Uyen Ha	The combination of watermarking algorithms for MP4 video	Thanh Tung Nguyen, Chan Nam Ngo, Tran Khanh Dang
15:45-16:15	Energy visualization in a data center	Christoph Anthes, Dieter Kranzlmüller	Overview of anomaly IDS on parallel processing platforms	Nguyen Thi Thanh Van, Tran Ngoc Thinh, Le Thanh Sach
16:15-16:45	Reconstruction of an elevation triangular mesh from 3D point clouds	Van Sinh Nguyen, Manh Ha Tran	RTL: a tool for precise model transformations	Khoa-Hai Nguyen, Duc-Hanh Dang
16:45-17:15	Semi-automatic liver segmentation in ct images using hybrid level method	Nhat Hung Dao, Le Thanh Sach	Advances in fine-grained access control model	Que Nguyet Tran Thi, Tran Khanh Dang, Cong An Nguyen
17:15-17:45			Some novel improvements for disk-aware discord discovery of large time series	Huynh Thi Thu Thuy, Duong Tuan Anh

19:00 - 21:00	**Welcome party**

DAY 2:	Thursday, Novemver 20, 2014		
08:30-09:00	Registration, Location: B4's Lobby		
	Keynote Session, Room = Hall B4		
KEYNOTE 3	Chair: Prof. Dr. M-Tahar Kechadi		
09:00-10:00	Further Application on RFID with Privacy-Preserving (Prof. Dr. Atsuko Miyaji)		
10:00-10:20	Coffee Break		
KEYNOTE 4	Chair: Prof. Dr. Atsuko Miyaji		
10:20-11:20	Handwriting-based User Interfaces (Prof. Dr. Masaki Nakagawa)		
	Lunch		

	Room = 405B4	
	Session: Image Processing and Visualization (IPV) **Chair: Dr. Trung-Hieu Huynh**	
13:00-13:30	Vehicle identification in traffic surveillance – complex wavelet transform based approach	Manish Khare, Nguyen Thanh Binh, Rajneesh Kumar Srivastava, Ashish Khare
13:30-14:00	Digit recognition using gradient histogram features and extreme learning machine	Le Trong Ngoc, Hieu Trung Huynh
14:00-14:30	A robust approach for detecting the back-view of cars from images	Huynh Chi Kien, Le Thanh Sach, Nguyen Minh Nhat, Kazuhiko Hamamoto
14:30-15:00	Contourlet-based image compression using improved spiht algorithm	Pham Thi Hue, Truong Quang Vinh
15:00-15:15	Coffee Break	
	Session: Embedded Systems and VLSI Design (ESVD) **Chair: Dr. Pham Hoang Anh**	
15:15-15:45	Low power channel scanning with contiki's IPv6 stack for wireless sensor network	Tran Ngoc Thinh, Tu Nguyen, Bui Van Hieu, Koichiro Ishibashi
15:45-16:15	Low power and area of 6-bit flash ADC based on dbns for SOC architecture of DSP applications	Minh Son Nguyen, Huu Nhan Nguyen and Jongsoo Kim
16:15-16:45	Real-time implementation of indirect matrix converter based on DSP and FPGA	Tuyen D Nguyen, Nguyen Gia Hoang Anh, Hong-Hee Lee
16:45-17:15	Applying fuzzy logic to context-aware monitoring for wireless sensor networks in logistics	Vo Que Son, Tu Luong Phan Nguyen

19:00 - 21:00	Invited Dinner

DAY 3:	Friday, November 21, 2014		
08:30-09:00	Registration, Location: B4's Lobby		
	Keynote Session, Room = Hall B4		
KEYNOTE 5	Chair: Prof. Dr. Dirk Draheim		

09:00-10:00	Modeling Spatial Uncertainty of Fuzzy Information in Images for Biomedical Pattern Classification (Prof. Dr. Tuan D. Pham)			
10:00-10:20	Coffee Break			

Room = Hall B4		
Session: Advanced Computing **Chair: Dr. Ha Manh Tran**		
10:20-10:50	Optimizing the overhead of debugging long running parallel programs using smart clock	Nam Thoai, Thanh-Phuong Pham
10:50-11:20	Assessing and obtaining the value of crowd-sourced data with respect to structural health monitoring and case-based reasoning	Jürgen Hönigl, Erik Sonnleitner, Josef Küng, Reinhard Stumptner, Bernhard Freudenthaler, David Schäfer, Helmut Wenzel
11:20-11:50	Super resolution of video with dynamic textures	Pham Nguyen Hoang, Tran Cao De

Lunch				

Room = 301B4			**Room = 303B4**	
Session: HPSC and Advances in Software Engineering **Chair: Dr. Le Lam Son**			**Session: Advances in Security and Information Systems** **Chair: Dr. Hilda Kosorus**	
13:00-13:30	Content caching for adaptive bit-rate streaming in cache networks	Phuong Luu Vo, Tuan-Anh Le, Saeed Ullah, and Duc Ngoc Minh Dang	A chaff points generation method to prevent blended substitution attack for biometric fuzzy vault	Duy Khuong Nguyen, Tran Khanh Dang, Minh Tan Nguyen
13:30-14:00	An efficient memetic algorithm for the jury timetabling problem	Hai Chau Khuong, Huynh Tuong Nguyen, Van Hoai Tran	Predicting bus arrival time base on artificial neural network and global positioning system data cluster	Huynh Nam, Le Viet Hoang Nguyen, Huynh Thanh Quan, Le Thanh Van and Pham Tran Vu
14:00-14:30	A comprehensive educational decision support system in an academic credit system: a process-aware design approach	Vo Thi Ngoc Chau, Nguyen Hua Phung	A key generating schema from multi-biometric	Van Quoc Phuong Huynh, Tran Khanh Dang
14:30-15:00	A framework for automatic construction of test scenarios from use-cases	Vu Y. Nguyen, Tho T. Quan, Nhuan D. Lai and Thuan D.Le	Hypergraph based semi-supervised learning algorithms applied to speech recognition problem: a novel approach	Hoang Trang, Tran Hoang Loc, Huynh Bui Hoang Nam
15:00-15:15	Coffee Break		Coffee Break	
	Session: High Performance & Scientific Computing **Chair: Dr. Vo Luu Phuong**		**Session: IPV and ESVD** **Chair: Dr. Khamphong Khongsomboon**	
15:15-15:45	Determination of porosity and mineral content supporting petroleum exploration and production	Tran Giang Son, Vuong Ba Thinh, Huynh Tuong Nguyen	UVM-based avalon verification ip package for video and image processing applications	Pham Duc An, Truong Quang Vinh
15:45-16:15	Impact of structural design parameters on on-chip network latency	Pham Dang Lam, Pham Van Khoa, Hoang Trang	Separating and removing noises for ECG signal using improved fast independent component analysis	Nguyen Ngoc Hung, Ho Anh Vu, Bui Trong Tu
16:15-16:45	Improving adaptive semantic filtering with bounded dynamic threshold for log data analytics	Ha Manh Tran, Anh Viet Tuan Tran, Son Thanh Le, Sinh Van Nguyen	Adaptive object tracking technique based bandelet domain in outdoor environment	Dang Thi Thu Hoa, Nguyen Thanh Binh

19:00 - 21:00	Gala Dinner			
	End of the Technical Program			
DAY 4&5:	Saturday & Sunday, November 22-23, 2014: Post-Conference Tour (Schedule: being informed on the conference site)			