

## Conference Program

the 2015 - 7th International Conference on Knowledge and Smart Technology (KST)

The Tide Resort Hotel, Bangsaen Beach, Chon Buri Province, Thailand

Organized by Faculty of Informatics, Burapha University, Chonburi, Thailand

January 28 - 31, 2015

<b>January 28, 2015</b>		<b>The Tide Resort Hotel and the Heritage Hotel, Bangsaen Beach, Chon Buri Province, Thailand</b>			
<b>15.00-17.00</b>	Registration / Pacific IV, The Tide Resort Hotel, Bangsaen Beach				
<b>17.00-18.00</b>	Steering & Technical Program Committee Meeting / Sila Restaurant, The Heritage Hotel, Bangsaen Beach				
<b>18:00-20:30</b>	Welcome Reception for Steering & Technical Program Committee and Keynote Speaker / Sila Restaurant, The				
<b>January 29, 2015</b>		<b>Pacific II</b>			
<b>08.00-08.45</b>	Registration				
<b>08.45-09.00</b>	<b>Opening Ceremony by the President of Burapha University</b>				
<b>09.00-10.20</b>	<b>Keynote-I</b>	Professor Dr. Roberto Caldara (Department of Psychology, University of Fribourg, Switzerland)			
		Mapping the impact of culture and race in visual processing			
<b>10.20-10.40</b>	Break / Pacific IV				
<b>10.40-12.00</b>	<b>Keynote-II</b>	Professor Dr. Hanmin Jung (Department of Computer Intelligence Research, Korea Institute of Science and Technology Information Daejeon, Korea) and Professor Dr. Young-guk Ha (Department of InSciTe Advisory: Prescriptive Analytics Service for Enhancing Research Performance)			
<b>12.00-13.00</b>	Lunch / Pacific IV				
	<b>Pacific II</b>			<b>Pacific III</b>	
<b>January 29, 2015</b>	<b>PaperID</b>	<b>Chair: Dr.Khamron SUNAT (Khon Kean University, Thailand) and Assist. Prof. Dr.Theekapun CHAROENPONG, (Srinakharinwirot University, Thailand)</b>	<b>PaperID</b>	<b>Special Session on "Recent advances in Cognitive Sciences" by Prof. Dr.Katsumi Watanabe, the University of Tokyo, Japan and Dr.Montri Phothisonothai, KMITL, Thailand</b>	
<b>13.00-13.20</b>	1570034487	Nonlinear Phase-to-height Relationship in 3D Shape Measurement using Fringe Pattern Projection; By Byeong-Mook Chung (Yeungnam University, Korea); Yoon-Chang Park (Sunmoom University, Korea); Jin-Yeong Do (AVACO Co., Ltd, Korea)	SS01	Insightful Problem Solving Can Be Manipulated by Social Reality; By Atsunori Ariga (Rissho University, Japan)	
<b>13.20-13.40</b>	1570054989	Feature Envy Factor: A Metric for Automatic Feature Envy Detection; By Kwankamol Nongpong (Assumption University, Thailand)	SS02	The role of global configuration in detection of mirror and translational symmetries; By Kentaro Yamamoto, Kanji Tanaka, and Katsumi Watanabe (The University of Tokyo, Japan)	
<b>13.40-14.00</b>	1570058433	Analysis of Facebook Activity Usage through Network and Human Perspectives; By Atikan Muangneon (Kasetsart University, Thailand); Supaporn Erjongmanee (Kasetsart University, Bangkok, Thailand)	SS03	Effects of image blur on visual perception and affective response; By Kohske Takahashi and Katsumi Watanabe (The University of Tokyo, Japan)	

		Pacific II	Pacific III	
14.00-14.20	1570058523	A Robust Measure of Probability Density Function of Various Noises in Electromyography (EMG) Signal Acquisition; By Sirinee Thongpanja (Prince of Songkla University, Thailand); Angkoon Phinyomark (University of Calgary, Canada); Chusak Limsakul, Pornchai Phukpattaranont (Prince of Songkla University, Thailand)	SS04	Consistency of color-shape associations in deaf people; By Na Chen, Kanji Tanaka (The University of Tokyo, Japan) Miki Namatame (Tsukuba University of Technology, Japan), and Katsumi Watanabe (The University of Tokyo, Japan)
14.20-14.40	1570060181	Clustering-Based Multi-Class Classification of Complex Disease; By Thiptanawat Phongwattana, Worrawat Engchuan and Jonathan H. Chan (King Mongkut's University of Technology Thonburi, Thailand)	SS05	Adding information does not necessarily help the motion perception: a study of the curvate cycloid illusion; By Hiroshi Ueda, Kohske Takahashi, Katsumi Watanabe, and Yasushi Yamaguchi (The University of Tokyo, Japan)
14.40-15.00	Break / Pacific IV			
January 29, 2015	PaperID	<b>Chair: Assist. Prof. Dr. Paramate HORKAEW (Suranaree University of Technology, Thailand) and Assist. Prof. Dr. Jaratsri RUNGRATTANAUBOL, (Naresuan University, Thailand)</b>	PaperID	<b>Chair: Dr. Chakchai SO-IN (Khon Keau University, Thailand) and Dr. Kriangsak TREEPRAPIN (Ubon Ratchathani University, Thailand)</b>
15.00-15.20	1570064245	Multi-view Hand Detection Applying Viola-Jones Framework Using SAMME AdaBoost; By Varin Chouvatut and Wattana Jindaluang (Chiang Mai University, Thailand)	1570058171	Multiobjective Space-only Synthesis of Concentric Regular Hexagonal Antenna Arrays; By Sudipta Das, Durbadal Mandal and Rajib Kar (National Institute of Technology, Durgapur, India); Dr. Sakti Prasad Ghoshal (National Institute of Technology Durgapur West Bengal India, India)
15.20-15.40	1570064251	Longan's Leaf Analysis for Chemical-Substance Usage; By Varin Chouvatut and Wattana Jindaluang (Chiang Mai University, Thailand)	1570030379	Prediction of Radiowave Propagation for Wireless Cellular Networks in Jordan; By Mohammed S. H. Al salameh (American University of Madaba, Jordan); M. AlZubi (Jordan University of Science and Technology, Jordan)
15.40-16.00	1570057641	Domain-oriented two-stage aggregation: generating baseball play-by-play narratives; By James Baldwin and Songsak Channarukul (Assumption University, Thailand)	1570056385	Adaptive Location Update Schemes for Continuous Cell Zooming Algorithm in Wireless Networks; By Khin Tun (Assumption University; Faculty of Science and Technology, Thailand); Kunagorn Kunavut (Assumption University, Thailand)
16.00-16.20	1570054397	License Plate Extraction and Recognition of a Thai Vehicle Based on MSER and BPNN; By Tao Hong and Anilkumar Kothalil Gopalakrishnam (University of Assumption, Thailand);	1570054745	An Approach to Lao-English Rule Based Machine Translation; By Arounyadeth Srithirath and Pusadee Seresangtakul (Khon Kaen University, Thailand)

		<b>Pacific II</b>	<b>Pacific III</b>	
<b>16.20-16.40</b>	1570055473	Local Foreground Extraction Technique for Rat Walking Behavior Classification; By Theekapun Charoenpong, Wimol Chanchanachitkul, Pucharas Nanthiyanuragsa, Ratirat Sangpayap and Watchareewan Thongsaard (Srinakharinwirot University, Thailand)	1570058417	Incorporating Logic in Artificial Bee Colony (ABC) Algorithm to Solve First Order Logic Problems: The Logical ABC; By Divya Kumar and KK Mishra (Motilal Nehru National Institute of Technology, India)
<b>16.40-18.00</b>	The 1st Meeting of International Consortium in Informatics (ICI Meeting)			
<b>18.00-20:30</b>	<b>Welcome Party / Dinner at Pacific IV, The Tide Resort Hotel</b>			
January 30, 2015	<b>PaperID</b>	<b>Chair: Assoc. Prof. Dr.Ponrudee NETISOPAKUL, (King Mongkut's Institute of Technology Ladkrabang, Thailand) and Assoc. Prof. Dr.Chartchai LEENAWONG, (King Mongkut's Institute of Technology Ladkrabang, Thailand)</b>	<b>PaperID</b>	<b>Matlab Workshop on Computer Vision by Assist. Prof. Dr. Parinya Sanguansat (Panyapiwat Institute of Management, Thailand) Organized by Assist. Prof. Dr.Vorapoj PATANAVIJIT, Assumption University, Thailand</b>
<b>09.00-09.20</b>	1570059945	Edited Audio Detection using Ensemble Learning; By Saichon Jaiyen (King Mongkut's Institute of Technology Ladkrabang, Thailand); Takdanai Suwan (King Mongkut Institute of Technology Ladkrabang, Thailand); Rungrat Wiangsripanawan (King Mongkut's Institute of Technology Ladkrabang, Thailand)		
<b>09.20-09.40</b>	1570054191	Social Network Monitoring Application for Parents with Children Under Thirteen; By Phakpoom Santisarun and Sirapat Boonkrong (King Mongkut's University of Technology North Bangkok, Thailand)		
<b>09.40-10.00</b>	1570058121	A New way to select the valuable association rules; By Mohammed Mouhir, MM. (FSTS, Hassan I University, Morocco); Gadi Taoufiq (University Hassan First - Morocco, Morocco); Balouki Youssef (LAVETE Laboratory, FSTS, Hassan 1st University, Morocco); Elfar Mohamed (FSDM, Sidi Med Ben Abdellah University, Morocco)		
<b>10.00-10.20</b>	1570054475	Game Refinement Model with Consideration on Playing Cost: A Case Study Using Crane Games; By Rachaya Chiewvanichakorn (Thammasat University, Thailand); Nathan Nossal (Japan Advanced Institute of Science and Technology & School of Information Science, Japan); Hiroyuki Iida (Japan Advanced Institute of Science and Technology, Japan)		

	<b>Pacific II</b>		<b>Pacific III</b>	
<b>10.20-10.40</b>	1570026861	Heuristic search on statistics of wind data; By Kulwarun Warunsin and Orachat Chitsobhuk (King Mongkut's Institute of Technology Ladkrabang, Thailand)		
<b>10.40-11.00</b>	Break / Pacific IV			
<b>11.00-12.00</b>	<b>PaperID</b>	<b>Chair: Assist. Prof. Dr.Paramate HORKAEW (Suranaree University of Technology, Thailand) and Dr.Saichon JAIYEN, (King Mongkut's Institute of Technology Ladkrabang, Thailand)</b>	<b>PaperID</b>	<b>Matlab Workshop on Computer Vision by Assist. Prof. Dr. Parinya Sanguansat (Panyapiwat Institute of Management, Thailand) Organized by Assist. Prof. Dr.Vorapoj PATANAVIJIT, Assumption University, Thailand</b>
<b>11.00-11.20</b>	1570058203	Accelerating Range-based Loops on Heterogeneous Systems; By Chaturapat Suwancharoen and Worawan Diaz Carballo (Marungsith) (Thammasat University, Thailand)		
<b>11.20-11.40</b>	1570058459	Opinion Mining for Thai Restaurant Reviews using K-Means Clustering and MRF Feature Selection; By Niphath Claypo (King Mongkut's Institute of Technology Ladkrabang, Thailand)		
<b>11.40-12.00</b>	1570058489	Improve accuracy of disparity map for stereo images using SIFT and weighted color model; By On-uma Pramote and Pimpiti Piamsa-nga (Kasetsart University, Thailand)		
<b>12.00-13.00</b>	Lunch / Pacific IV			
<b>January 30, 2015</b>	<b>PaperID</b>	<b>Chair: Dr.Kunagorn KUNAVUT, (Assumption University, Thailand) and Assist. Prof. Darun Kesrarat, (Assumption University, Thailand)</b>	<b>PaperID</b>	<b>Special Session on "Recent advances in Cognitive Sciences" by Dr.Montri Phothisonothai, (KMITL, Thailand) and Assist. Prof. Dr.Suphakant PHIMOLTARES, (Chulalongkorn University, Thailand)</b>
<b>13.00-13.20</b>	1570058519	Image Analysis of broken rice grains of Khao Dawk Mali rice; By Dollawat Ngampak and Pimpiti Piamsa-nga (Kasetsart University, Thailand)	SS06	Frequency Component Analysis of EEG Recording on Various Visual Tasks: Steady-State Visual Evoked Potential Experiment; By Narongrit Inkaew, Nattaphon Charoenkitkamjorn, Chongkon Yangpaiboon, Montri Phothisonothai, Chaiwat Nuthong (King Mongkut's Institute of Technology Ladkrabang, Thailand)
<b>13.20-13.40</b>	1570054165	Web Content Extraction Based on Subject Detection and Node Density; By Warid Petprasit and Saichon Jaiyen (King Mongkut's Institute of Technology Ladkrabang Chalongsong, Thailand)	SS07	Detection of Fibrosis in Liver Biopsy Images by using Bayesian Classifier; By Kanyanat Meejaroen, Charoen Chaweechan, Wanus Khodsiri, Vorapranee Khu-smith, Ukrit Watchareeruetai, (King Mongkut's Institute of Technology Ladkrabang, Thailand) Pattana Sornmagura and Taya Kittiyakara (Mahidol University, Thailand)

		<b>Pacific II</b>	<b>Pacific III</b>	
<b>13.40-14.00</b>	1570048147	Pin Set Sequence Selection Guideline Routing for Printed Circuit Board Routing; By Panuwat Dan-klang, Weradech Kumtong and Wiroon Sriborrirux (Burapha University, Thailand)	SS08	Classification of Electromyogram Using Weight Visibility Algorithm with Multilayer Perceptron Neural Network; By Patcharin Artameeyanant (King Mongkut's University of Technology Thonburi, Thailand), Sivarit Sultornsanee (University of the Thai Chamber of Commerce, Thailand) and Kosin Chamnongthai( King Mongkut's University of Technology Thonburi, Thailand)
<b>14.00-14.20</b>	1570058805	An Economic Model for Client-Side Cloud Caching Service; By Sriwiroj Chaturong and Thepparit Banditwattanawong (Sripatum University, Thailand)	SS10	A Detection of Tears in Laces Using Image Processing; By Bancha Olanviriyakij (King Mongkut's University of Technology Thonburi, Thailand), Suntara Jumreornvong (Rochester Institute of Technology, USA), Pinit Kumhom (King Mongkut's University of Technology Thonburi, Thailand)
<b>14.20-14.40</b>	1570058953	Point Cloud Data Reduction With Tangent Function Method For Nurbs Curve And Surface Fitting; By Bopit Chouychai (King Mongkut's University of Technology North Bangkok, Thailand)		
<b>14.40-15.00</b>	Break / Pacific IV			
<b>15.00</b>	<b>Closing the Conference Ceremony</b>			
<b>January 31, 2015</b>				
<b>SD506, Sirindhorn Bulding, Faculty of Informatics, Burapha University</b>				
<b>08.30-09.00</b>	Registration			
<b>09.00-12.00</b>	Thailand Graduate Consortium on Computer Science and Information Technology Meeting			
<b>12.00-13.00</b>	Lunch			
<b>13.00-16.00</b>	Thailand Graduate Consortium on Computer Science and Information Technology Meeting (Continue)			
<b>16.00</b>	<b>Closing the Consortium Ceremony</b>			