2015 7th International Conference on Knowledge and Smart Technology

(KST 2015)

Chon Buri, Thailand 28-31 January 2015



IEEE Catalog Number: ISBN: CFP1526T-POD 978-1-4799-6050-7

PaperID	Title	Page
Keynote-I	Mapping the impact of culture and race in visual processing by Professor Dr. Roberto Caldara (Department of Psychology, University of Fribourg,	XVIII
	Switzerland)	
Keynote-II	InSciTe Advisory: Prescriptive Analytics Service for Enhancing Research Performance by 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 Computer Science and Engineering, Konkuk University, Seoul, Korea)	XIX
1570034487	Nonlinear Phase-to-height Relationship in 3D Shape Measurement using Fringe by Byeong-Mook Chung (Yeungnam University, Korea); Yoon-Chang Park (Sunmoom University, Korea); Jin-Yeong Do (AVACO Co., Ltd, Korea)	PIC
1570054989	Feature Envy Factor: A Metric for Automatic Feature Envy Detection by Kwankamol Nongpong (Assumption University, Thailand)	7
1570058433	Analysis of Facebook Activity Usage through Network and Human Perspectives by Atikan Muangngeon (Kasetsart University, Thailand); Supaporn Erjongmanee (Kasetsart University, Bangkok, Thailand)	13
1570058523	A Robust Measure of Probability Density Function of Various Noises in by Sirinee Thongpanja (Prince of Songkla University, Thailand);Angkoon Phinyomark (University of Calgary, Canada); Chusak Limsakul, Pornchai Phukpattaranont (Prince of Songkla University, Thailand)	P IC
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)	25
1570064245	Multi-view Hand Detection Applying Viola-Jones Framework Using SAMME by Varin Chouvatut and Wattana Jindaluang (Chiang Mai University, Thailand)	30
1570064251	Longan's Leaf Analysis for Chemical-Substance Usage by Varin Chouvatut and Wattana Jindaluang (Chiang Mai University, Thailand)	36
1570057641	Domain-oriented two-stage aggregation: generating baseball play-by-play narratives by James Baldwin and Songsak Channarukul (Assumption University, Thailand)	42
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);	48
1570055473	Local Foreground Extraction Technique for Rat Walking Behavior Classification by Theekapun Charoenpong, Wimol Chanchanachitkul, Puncharas Nanthiyanuragsa, Ratirat Sangpayap and Watchareewan Thongsaard (Srinakharinwirot University, Thailand)	54
1570026861	Heuristic search on statistics of wind data by Kulwarun Warunsin and Orachat Chitsobhuk (King Mongkut's Institute of Technology Ladkrabang, Thailand)	60
1570058417	Incorporating Logic in Artificial Bee Colony (ABC) Algorithm to Solve First Order by Divya Kumar and KK Mishra (Motilal Nehru National Institute of Technology, India)	65
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)	71

PaperID	Title	Page
1570054191	Social Network Monitoring Application for Parents with Children Under Thirteen by Phakpoom Santisarun and Sirapat Boonkrong (King Mongkut's University of	75
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)	81
1570054475	Game Refinement Model with Consideration on Playing Cost: A Case Study Using by Rachaya Chiewvanichakorn (Thammasat University, Thailand); Nathan Nossal (Japan Advanced Institute of Science and Technology & Chool of Information Science, Japan); Hiroyuki Iida (Japan Advanced Institute of Science and Technology, Japan)	87
1570054745	An Approach to Lao-English Rule Based Machine Translation by Arounyadeth Srithirath and Pusadee Seresangtakul (Khon Kaen University, Thailand)	93
1570058203	Accelerating Range-based Loops on Heterogeneous Systems by Chaturapat Suwancharoen and Worawan Diaz Carballo (Marurngsith) (Thammasat University, Thailand)	99
1570058459	Opinion Mining for Thai Restaurant Reviews using K-Means Clustering and MRF by Niphat Claypo (King Mongkut's Institute of Technology Ladkrabang, Thailand)	105
1570058489	Improve accuracy of disparity map for stereo images using SIFT and weighted color by On-uma Pramote and Punpiti Piamsa-nga (Kasetsart University, Thailand)	109
1570058519	Image Analysis of broken rice grains of Khao Dawk Mali rice by Dollawat Ngampak and Punpiti Piamsa-nga (Kasetsart University, Thailand)	115
1570054165	Web Content Extraction Based on Subject Detection and Node Density by Warid Petprasit and Saichon Jaiyen (King Mongkut's Institute of Technology	121
1570048147	Pin Set Sequence Selection Guideline Routing for Printed Circuit Board Routing by Panuwat Dan-klang, Weradech Kumtong and Wiroon Sriborrirux (Burapha University, Thailand)	126
1570058805	An Economic Model for Client-Side Cloud Caching Service by Sriwiroj Chaturong and Thepparit Banditwattanawong (Sripatum University, Thailand)	131
1570058953	Point Cloud Data Reduction With Tangent Function Method For Nurbs Curve And by Bopit Chouychai (King Mongkut's University of Technology North Bangkok, Thailand)	137
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)	143
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)	149
1570056385	Adaptive Location Update Schemes for Continuous Cell Zooming Algorithm in by Khin Tun (Assumption University; Faculty of Science and Technology, Thailand); Kunagorn Kunavut (Assumption University, Thailand)	155

PaperID	Title	Page
	Special Session on Recent Advances in Cognitive Science	
SS01	Insightful Problem Solving Can Be Manipulated by Social Reality	161
	by Atsunori Ariga (Rissho University, Japan)	
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)	165
SS03	Effects of image blur on visual perception and affective response	169
	by Kohske Takahashi and Katsumi Watanabe (The University of Tokyo, Japan)	
SS04	Consistency of color-shape associations in deaf people	173
	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)	
SS05	Adding information does not necessarily help the motion perception: a study of the by Hiroshi Ueda, Kohske Takahashi, Katsumi Watanabe, and Yasushi Yamaguchi (The University of Tokyo, Japan)	176
SS06	Frequency Component Analysis of EEG Recording on Various Visual Tasks: Steady-	180
	by Narongrit Inkaew, Nattaphon Charoenkitkamjorn, Chongkon Yangpaiboon, Montri Phothisonothai, Chaiwat Nuthong (King Mongkut's Institute of Technology Ladkrabang, Thailand)	
SS07	Detection of Fibrosis in Liver Biopsy Images by using Bayesian Classifier	184
5507	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)	101
SS08	Classification of Electromyogram Using Weight Visibility Algorithm with Multilayer	190
	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)	
SS10	A Detection of Tears in Laces Using Image Processing	195
	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)	