

NOTES: PRICAI 2016 regular papers 25 minutes (including Q&A), short papers 10 minutes (including Q&A)  
 PRICAI 2016 Short papers also presented in poster session, during lunch on Day 4 (Thursday, 10:00-12:30) (At Foyer, coffee break area)

## PRICAI/PRIMA (Day 3)

	Ballroom B	Andaman	Arcadia 1	Arcadia 2	
Aug 24 Regist	08:00-08:40	<b>Registration</b>			
Aug 24 Opening	08:40-09:00	<b>Opening Ceremony</b>			
Aug 24 Keynote	09:00-10:00	Keynote Speech <b>Global Data Warming for AI Spring</b> Sheng-Chuan Wu Franz Inc., Silicon Valley, USA scw@franz.com			
Aug 24 Break	10:00-10:30	<b>BREAK</b>			
Aug 24 Session1	10:30-12:00	<b>AI Applications</b> (Session Chair: <b>Chattrakul Sombaththeera</b> )  <i>Bing Shi, Yalong Huang, Shengwu Xiong and Enrico H. Gerding.</i> Setting An Effective Pricing Policy for Double Auction Marketplaces  <i>Buntita Pravalpruk and Matthew Dailey.</i> Offline Text and Non-text Segmentation for Hand-Drawn Diagrams  <i>Faizan Ahmad, Yiqiang Chen, Shuangquan Wang, Zhenyu Chen, Jianfei Shen, Lisha Hu and Jindong Wang.</i> A Study of Players' Experiences during Brain Games Play  (SHORT) <i>Minglong Li, Zhongxuan Cai, Xiaodong Yi, Zhiyuan Wang, Yanzhen Wang, Yongjun Zhang and Xuejun Yang.</i> ALLIANCE-ROS: A Software Architecture on ROS for Fault-Tolerant Cooperative Multi-Robot Systems	<b>Knowledge Representation</b> (Session Chair: <b>Patrick Doherty</b> )  <i>Nguyen Duy Hung.</i> Computing Probabilistic Assumption-based Argumentation  <i>Chen Chen and Zuoquan Lin.</i> Restricted Four-valued Semantics for Answer Set Programming  <i>David Toman and Grant Weddell.</i> On Partial Features in the DLF Family of Description Logics	<b>Neural Networks and Feature Selection</b> (Session Chair: <b>Daoqiang Zhang</b> )  <i>Jiaheng Wang, Bing Xue, Xiaoying Gao and Mengjie Zhang.</i> A Differential Evolution Approach to Feature Selection and Instance Selection  <i>Sumeth Yuenyong.</i> On the Gradient-Based Sequential Tuning of the Echo State Network Reservoir Parameters  <i>Lin Shang, Mengting Xu and Ping Li.</i> Using Canonical Correlation Analysis For Parallelized Attribute Reduction  (SHORT) <i>Shan Sung Liew, Mohamed Khalil-Hani and Rabia Bakhteri.</i> Distributed B-SDL: Accelerating the Training Convergence of Deep Neural Networks through Parallelism	<b>PRIMA-Student (PM-S)</b> (Session Chair: <b>Tran Cao Son</b> )  <i>Agnieszka Zbrzezny.</i> Selected Methods of Model Checking using SAT and SMT-solvers  <i>Pankaj Mishra, Rafik Hadfi and Takayuki Ito.</i> Role of Facial Emotion in Social Correlation  <i>Poulami Dalapati and Animesh Dutta.</i> Real-time Collision Handling in Railway Network: An Agent-based Approach  (SHORT) <i>Bikash Choudhury, Subhrabrata Choudhury and Animesh Dutta.</i> Multi-Agent Based Scalable and Context-Aware Middleware for Typical IoT Scenarios  <i>Pratik Sinha and Animesh Dutta.</i> Security and Access Control in Multi-Agent Satellite Systems  <i>Samridhhi Sarkar and Animesh Dutta.</i> Freight Train Scheduling Problem  <i>Narayan Changder, Animesh Dutta and Aditya Ghose.</i> A Kernelization approach for Anytime Coalition Structure Generation using Knuth X algorithm
Aug 24 Lunch	12:00-13:30	<b>LUNCH</b>			
Aug 24 Session 2	13:30-15:00	<b>Machine Learning Algorithms</b> (Session Chair: <b>Kazumi Saito</b> )  <i>Yanhui Shen, Huawei Liu, Yanxia Wang, Zhonglong Zheng, Zhongyu Chen and Guanghua Sun.</i> A Novel Isolation-Based Outlier Detection Method  <i>Fa Zheng, Hui Xue, Xiaohong Chen and Yunyun Wang.</i> Maximum Margin Tree Error Correcting Output Codes  <i>Huaxi Huang, Changqing Zhang, Qinghua Hu and Pengfei Zhu.</i> Multi-view Representative and Informative Induced Active Learning  (SHORT) <i>Hai Wang, Shao-Bo Wang and Yu-Feng Li.</i> Instance Selection Method for Improving Graph-based Semi-Supervised Learning	<b>Social Media</b> (Session Chair: <b>Quan Zou</b> )  <i>Krissada Maleewong.</i> An Analysis of Influential Users for Predicting the Popularity of News Tweets  <i>Yuji Yamagishi, Kazumi Saito and Tetsuo Ikeda.</i> Modeling of Travel Behavior Processes from Social Media  <i>Huifang Ma, Yugang Ji, Xiaohong Li and Runan Zhou.</i> A Microblog Hot Topic Detection Algorithm based on Discrete Particle Swarm Optimization  (SHORT) <i>Xinyu Zhang, Ning Zheng, Jian Xu and Ming Xu.</i> Topic Detection in Group Chat Based on Implicit Reply	<b>Special session SMS 1</b> (Session Chair: <b>Fenghui Ren</b> )  <i>Weihua Li, Quan Bai, Chang Jiang and Minjie Zhang.</i> Stigmergy-based Influence Maximization in Social Networks  <i>Lei Niu, Fenghui Ren and Minjie Zhang.</i> A Concurrent Multiple Negotiation Mechanism under Consideration of A Dynamic Negotiation Environment  <i>Ryo Kanamori, Toshiyuki Yamamoto and Takayuki Morikawa.</i> Evaluation of Deposit-based Road Pricing Scheme by Agent-based Simulator  (SHORT) <i>Doan Tung Nguyen, Quan Bai and Weihua Li.</i> Capability-aware Trust Evaluation Model in Multi-agent Systems	<b>PRIMA Tutorial 1/1</b>  <b>PRIMA-Tutorial 1/1 (Mini-School) (PM-T 1/1)</b>  <b>An Introduction to the Logic Programming Paradigms with an Eye to Agents Design</b>  <b>Enrico Pontelli</b>
Aug 24 Break	15:00-15:30	<b>BREAK</b>			
Aug 24 Session 3	15:30-17:00	<b>Machine Learning Applications</b> (Session Chair: <b>Xiaoying Gao</b> )  <i>Quan Zou, Shixiang Wan, Bing Han and Zhihui Zhan.</i> BDS-Cyto: an Automated Approach for Identifying Cytokines Based on Best Dimension Searching  <i>Hyunsuk Chung, Renjie Chen, Soyeon Han and Byeong-Ho Kang.</i> Combining RDR-based Machine Learning Approach and Human Expert Knowledge for Phishing Prediction  <i>Shotaro Omori and Tomoyuki Kaneko.</i> Learning of Evaluation Functions to Realize Playing Styles in Shogi  (SHORT) <i>Hao Zheng, Xin Geng and Zhongxue Yang.</i> A Relaxed K-SVD Algorithm for Spontaneous Micro-Expression Recognition	<b>Information Retrieval</b> (Session Chair: <b>Yu-Feng Li</b> )  <i>Imen Bouaziz Mezghanni and Faiez Gargouri.</i> Information Retrieval from Unstructured Arabic Legal Data  <i>Tadiparthi V R Himabindu, Vineet Padmanabhan, Arun K Pujari and Abdul Sattar.</i> Prediction with Confidence in Item Based Collaborative Filtering  <i>Venkateswara Rao Kagita, Arun K Pujari, Vineet Padmanabhan, Vikas Kumar and Sandeep Kumar Sahu.</i> Threshold-based Direct Computation of Skyline Objects for Database with Uncertain Preferences	<b>Special session SMS 2</b> (Session Chair: <b>Ryo Kanamori</b> )  <i>Xishun Wang, Fenghui Ren, Chen Liu and Minjie Zhang.</i> L1-Regularized Continuous Conditional Random Fields  <i>Wen Gu and Takayuki Ito.</i> Optimization of Road Distribution for Traffic System Based on Vehicle's Priority  <i>Chao Yu, Hongtao Lv, Sandip Sen, Fenghui Ren and Guozhen Tan.</i> Adaptive Learning for Efficient Emergence of Social Norms in Networked Multiagent Systems  (SHORT) <i>Jiamou Liu, Yingying Tao and Quan Bai.</i> Towards Exposing Cyberstalkers in Online Social Networks	<b>PRIMA Tutorial 1/2</b>  <b>PRIMA-Tutorial 1/2 (Mini-School) (PM-T 1/2)</b>  <b>An Introduction to the Logic Programming Paradigms with an Eye to Agents Design</b>  <b>Enrico Pontelli</b>
Aug 24 Banquet	18:30-21:00	<b>Banquet (Ballroom B) (18:30-21:00)</b>			

PRICAI/PRIMA (Day 4)

		Ballroom B	Arcadia 1	Arcadia 2	Ballroom Foyer	
Aug 25 Regist	08:30-09:00	Registration				
Aug 25 Keynote	09:00-10:00	Keynote Speech <b>From AdaBoost to Optimal Margin Distribution Machines</b> Zhi-Hua Zhou Nanjing University, China Email: zhouzh@lamda.nju.edu.cn				
Aug 25 Break	10:00-10:30	BREAK				
Aug 25 Session 4	10:30-12:00	<b>Reinforcement Learning</b> (Session Chair: Yang Yu)  <i>Xiao-hong Su, Ming Zhao, Ling-ling Zhao and Yan-hang Zhang.</i> A novel multi stage cooperative path re-planning method for multi UAV  <i>Sachiyo Arai and Haichi Xu.</i> Faster Convergence to Cooperative Policy by Autonomous Detection of Interference States in Multiagent Reinforcement Learning  <i>Han Wang and Yang Yu.</i> Exploring Multi-Action Relationship in Reinforcement Learning  (SHORT) <i>Ke Xu and Fengge Wu.</i> Hybrid Temporal-Difference Algorithm using Sliding Mode Control and Sigmoid Function	<b>Image Processing</b> (Session Chair: Andy Song)  <i>Sakon Chankhachon and Sathit Intajag.</i> Generalized Extreme Value Filter to Remove Mixed Gaussian-Impulse Noise  <i>Akadej Udomchaiporn, Frans Coenen, Marta Garcia-Finana and Vanessa Sluming.</i> 3-D Volume of Interest Based Image Classification  <i>Chunhong Liu, Faming Fang, Yingying Xu and Chaomin Shen.</i> Single Image Super-Resolution Based on Nonlocal Sparse and Low-Rank Regularization  (SHORT) <i>Sanparith Marukatat.</i> Learning with additional distributions	PRIMA Tutorial 2 (10:00-13:00)   PRIMA-Tutorial 2 (Mini-School) (PM-T 2) (10:00-13:00)  Agent technology and business process management: A new synthesis  Aditya Ghose	POSTER SESSION   POSTER SESSION (At Ballroom Foyer, coffee break area)  (Place poster at 09:00-10:00) (Present 10:00-12:30)	
Aug 25 Lunch	12:00-13:30	LUNCH & POSTER				
Aug 25 Session 5	13:30-15:00	<b>Natural Language Processing</b> (Session Chair: Thepchai Supnithi)  <i>Kanako Komiya, Minoru Sasaki, Hiroyuki Shinou, Yoshiyuki Kotani and Manabu Okumura.</i> Selecting Training Data for Unsupervised Domain Adaptation in Word Sense Disambiguation  <i>Yuta Kikuchi, Akihiko Watanabe, Ryohei Sasano, Hiroya Takamura and Manabu Okumura.</i> Learning from Numerous Untailored Summaries  <i>Yongyos Kaewpitakkun and Kiyooki Shirai.</i> Incorporating Implicit and Explicit Similarity Network for User-level Sentiment Classification on Microblogging  (SHORT) <i>Tszhang Guo, Bowen Li, Zihao Fu, Tao Wan and Zengchang Qin.</i> Learning Sentimental Weights of Mixed-gram Terms for Classification and Visualization	<b>Pattern Recognition</b> (Session Chair: Young-Bin Kwon)  <i>Diep Nguyen Ngoc, Cuong Pham and Phuong Tu.</i> An Orientation Histogram based Approach for Fall Detection Using Wearable Sensors  <i>Diep Nguyen Ngoc, Cuong Pham and Phuong Tu.</i> Motion Primitive Forests for Human Activity Recognition using Wearable Sensors  <i>Miho Matsunagi, Ryohei Sasano, Hiroya Takamura and Manabu Okumura.</i> Acquiring Activities of People Engaged in Certain Occupations  (SHORT) <i>Taweesak Emsawas and Boonserm Kijisirikul.</i> Thai Printed Character Recognition Using Long Short-Term Memory and Vertical Component Shifting	PRIMA Tutorial 3/1   PRIMA-Tutorial 3/1 (Mini-School) (PM-T 3/1)  Market Design: Designing Social System by Game Theory  Makoto Yokoo		
Aug 25 Break	15:00-15:30	BREAK				
Aug 25 Session 6	15:30-17:00	<b>Textual Analysis</b> (Session Chair: Manabu Okumura)  <i>Takuya Makino, Tomoya Noro and Tomoya Iwakura.</i> An FAQ Search Method Using a Document Classifier Trained with Automatically Generated Training Data  <i>Junxin Tan, Mengting Xu, Lin Shang and Xiuyi Jia.</i> Sentiment Analysis for Images on Microblogging by Integrating Textual Information with Multiple Kernel Learning  <i>Hiyori Yoshikawa and Tomoya Iwakura.</i> Fast Training of a Graph Boosting for Large-Scale Text Classification  (SHORT) <i>Yong Tian, Yu Rong, Yuan Yao, Weidong Liu and Jiaying Song.</i> Grouped Text Clustering Using Non-Parametric Gaussian Mixture Experts	<b>Computer Vision</b> (Session Chair: Sanparith Marukatat)  <i>Wencheng Zhu, Pengfei Zhu, Qinghua Hu and Changqing Zhang.</i> Set to Set Visual Tracking  <i>Yu Tian, Wanrong Huang, Yanzhen Wang, Xiaodong Yi, Zhiyuan Wang and Xuejun Yang.</i> Multi-Level Occupancy Grids for Efficient Representation of 3D Indoor Environments  <i>Kwankamon Dittakan and Frans Coenen.</i> Early Detection of Osteoarthritis Using Local Binary Patterns: A Study Directed at Human Joint Imagery	PRIMA Tutorial 3/2   PRIMA-Tutorial 3/2 (Mini-School) (PM-T 3/2)  Market Design: Designing Social System by Game Theory  Makoto Yokoo		

PRICA/PRIMA (Day 5)

		Andaman	Similan	Arcadia 1	Arcadia 2	
Aug 26 Regist	08:30-09:00	<b>Registration</b>				
Aug 26 Keynote	09:00-10:00	Keynote Speech <b>Argumentation for Practical Reasoning</b> Phan Minh Dung Asian Institute of Technology, Thailand dungpm@ait.asia				
Aug 26 Break	10:00-10:30	<b>BREAK</b>				
Aug 26 Session 7	10:30-12:00	<b>Search</b> (Session Chair: Katsutoshi Hirayama) <i>Zongjie Ma, Yi Fan, Kaile Su, Chengqian Li and Abdal Sattar.</i> Local Search with Noisy Strategy for Minimum Vertex Cover in Massive Graphs  <i>Salman K H, Arun K Pujari, Vikas Kumar and Sowmini Devi Veeramachaneni.</i> Combining Swarm with Gradient Search for Maximum Margin Matrix Factorization	<b>Data Mining</b> (Session Chair: Xin Geng) <i>Kazumi Saito, Masahiro Kimura, Kouzou Ohara and Hiroshi Motoda.</i> Detecting Critical Links in Complex Network to Maintain Information Flow/Reachability  <i>Nasser R. Sabar, Ayad Turky and Andy Song.</i> A Multi-Memory Multi-Population Memetic Algorithm for Dynamic Shortest Path Routing in Mobile Ad-hoc Networks	<b>Biometric Recognition</b> (Session Chair: Pengfei Zhu)  <i>Xiao-Dong Wang and Zhi-Hua Zhou.</i> Facial Age Estimation by Total Ordering Preserving Projection  <i>Zhi Qu, Xuan Li and Yong Dou.</i> Face Verification Algorithm with Exploiting Feature Distribution  <i>Jiaqi Zhang, Zhenhua Guo, Xiu Li and Youbin Chen.</i> Large Margin Coupled Mapping For Low Resolution Face Recognition	<b>PRIMA-Tutorial 4</b> (Mini-School) (PM-T 4) (10:00-13:00)  <b>Sequential Decision Making for Improving Efficiency in Urban Environments</b>  <b>Pradeep Varakantham</b>	
		(SHORT) <i>Hai Liu, Feifei Ma and Jian Zhang.</i> Generating Covering Arrays with pseudo-Boolean Constraint Solving and Balancing Heuristic	(SHORT) <i>Molood Barati, Quan Bai and Qing Liu.</i> SWARM: An Approach for Mining Semantic Association Rules from Semantic Web Data			
		(SHORT) <i>Hoang Huu Viet, Le Hong Trang, Seungwan Lee and Taechoong Chung.</i> An empirical local search for the stable marriage problem	(SHORT) <i>Rachasak Somyanonthanakul and Thanaruk Theeramunkong.</i> An Investigation of Objective Interestingness Measures for Association Rule Mining			
Aug 26 Lunch	12:00-13:30	<b>LUNCH</b>				
Aug 26 Excursion	13:30-17:30	<b>Excursion (Need to register at the registration desk within August 24, 2016)</b>				