

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/PKAW (Day 1)

		Balroom B	Andaman	Arcadia 1	Arcadia 2	Similan
Aug 22 Regist	08:00-08:40	Registration				
Aug 24 Opening	08:40-09:00	Opening Ceremony (PRIMA/PKAW Opening)				
Aug 22 Keynote	09:00-10:00	Keynote Speech Intercultural Collaboration: Human-Aware Research on Multiagent Systems Toru Ishida Department of Social Informatics, Kyoto University ishida@i.kyoto-u.ac.jp				
Aug 22 Break	10:00-10:30	BREAK				
Aug 22 Session 1	10:30-12:00	PRIMA Session 1 (Session Chair: Aditya Ghose)	PKAW Session 1 Knowledge Acquisition from Network and Big Data - I (Session Chair: Hayato Ohwada)	Workshop 1 - International Workshop on Image, Information, and Intelligent Applications (ISA) (1) (Session Chair: Chulserat Jaruskulchai)	Workshop 2 - Int'l Research Student Symposium on the Artificial Intelligence and Applications (RSAI) (+PeHealth) (1) (Session Chair: Pokpong Songmuang)	Tutorial 1/1 - Deep learning for natural language processing Assoc. Prof. Dr. Hidekazu Yanagimoto
		Agnieszka M. Zbrzezny and Andrzej Zbrzezny. Verifying Real-Time Properties of Multi-Agent Systems via SMT-based Bounded Model Checking	Zhong-Yong Chen and Chien Chin Chen. Competition Detection from Online News	(ISA-1) (10:30-10:50) Learning Latent Word Representations for Enhanced Short Text Classification Luepol Pipanmaekaporn and Suwatchai Kamolsantiroj	(RSAI-1) (10:30 - 10:50) Exploring the Distributional Semantic Relation for ADR and Therapeutic Indication Identification in EMR Sirwon Taewijit, Thanaruk Theeramunkong	
		Mingyu Guo. Competitive VCG Redistribution Mechanisms for Public Project Problem	Hiroshi Uehara and Kenichi Yoshida. Acquiring Seasonal/Agricultural Knowledge from Social Media	(ISA-2) (10:50-11:10) A Regression-based SVD Parallelization using Overlapping Folds for Textual Data Uraivan Buatoomthanaruk Theeramunkong and Waree Kongprawechnon	(RSAI-2) (11:50 - 11:00) Verifying Properties of Multi-agent Systems via Bounded Model Checking Agnieszka Zbrzezny	
		Narayan Changder, Aditya K. Ghose, and Animesh Dutta. Coalition Structure Formation Using Anytime Dynamic Programming	Maria R. Lee, Tsung Teng Chen, and Ying Shun Cai. Amalgamating Social Media Data and Movie Recommendation	(ISA-3) (11:10-11:30) Desktop Tower Defense is NP-Hard Vasin Sutthichaya	(RSAI-3) (11:00 - 11:10) MOEPSO for Multi-objective Optimization Ittikon Thammachantuek, Mahasak Ketcham	Tutorial 1/1 Deep learning for natural language processing Assoc. Prof. Dr. Hidekazu Yanagimoto
		Christina Herzog, Jean-Marc Pierson and Laurent Lefevre. A Multi Agent System for Understanding the Impact of Technology Transfer Offices in Green-IT	Ying Ling, Tao Wan, and Zengchang Qin. Stable Matching in Structured Networks	(ISA-4) (11:30-11:50) Variant Annotation and Clinical Interpretation software for Cancer (VARCIN). Report generating software for targeted therapy method Mingmanas Sivaraksa Pitnat Asawasutsakorn Benjamard Meeboon and Natini Jinawath	(RSAI-4) (11:10 - 11:20) Enhancement of Palm-Leaf Manuscript for Segmentation Siriya Phattarachairawee, Monteau Rattanasirivongwut, Mahasak Ketcham	
		Anders Clausen, Aisha Umair, Zheng Ma, and Bo Narregard Jørgensen. Demand Response Integration through Agent-based Coordination of Consumers in Virtual Power Plants		(ISA-5) (11:50-12:10) Fuzzy C-Means Classification of Electroencephalography (EEG) Waves for Robotic System Time Events and Control Ebrahim A. Mattar and Hessa J. Al-Junaid	(RSAI-5) (11:20 - 11:30) Comparison of Edge Detection Algorithms for Coastline Detection in Satellite Imageries Chutiwan Booncharatong, Sucha Smanchat, Mahasak Ketcham, Nawaporn Wisitpongphan	
Aug 22 Lunch	12:00-13:30	LUNCH				
Aug 22 Session 2	13:30-15:00	PRIMA Session 2 (Session Chair: Guido Governatori)	PKAW Session 2 Knowledge Acquisition and Natural Language Processing (Session Chair: Deborah Richards)	Workshop 1 - International Workshop on Image, Information, and Intelligent Applications (ISA) (2) (Session Chair: Sakorn Mekruksavanich)	Workshop 2 - Int'l Research Student Symposium on the Artificial Intelligence and Applications (RSAI) (+PeHealth) (2) (Session Chair: Thaweesak Yingthawornasuk)	Tutorial 1/2 - Deep learning for natural language processing Assoc. Prof. Dr. Hidekazu Yanagimoto
		Mingyu Guo, Yuko Sakurai, Taiki Todo, and Masato Yokoo. Individually Rational Strategy-proof Social Choice with Exogenous Indifference Sets	Mohamad Nizam Kassim, Mohd Aizaini Mesari, Anazida Zainal, and Amirudin Abdul Wahab. Enhanced Rules Application Order to Stem Affixation, Reduplication and Compounding Words in Malay Texts	(ISA-6) (13:30-13:50) Virtual Reality System with Smartphone Application for Height Exposure Suppanut Nateerattaiwa and Narit Hnoohom	(RSAI-6) (13:30 - 13:50) Real-time Snoring Sound Detecting U Shape Pillow System using Data Analysis Algorithm Patiyuth Prankree, Penpichaya Lertichai, Nipaporn Klangsakulpoontawee	
		Patrick Doherty, Jonas Kvarnström, Piotr Rudol, Marius Wzorek, Gianpaolo Conte, Cyrille Berger, Timo Hinzmann, and Thomas Stasny. A Collaborative Framework for 3D Mapping using Unmanned Aerial Vehicles	Diyin Zhou, Hye-Young Paik, Seung Hwan Ryu, John Shepherd, and Paul Compton. Building a Process Description Repository with Knowledge Acquisition	(ISA-7) (13:50-14:10) Evolving Public Opinion Mining Methods on Decision Support System in Thai E-Government Jeerana Noymanee Wimol San-Um and Thanaruk Theeramunkong	(RSAI-7) (13:50 - 14:10) A multi-objective adaptive Invasive Weed Optimization intelligence approach for solving DNA sequence design Qiang Zhang, Gaijing Yang, Changjun Zhou, Bin Wang	Tutorial 1/2 Deep learning for natural language processing Assoc. Prof. Dr. Hidekazu Yanagimoto
		Mingyu Guo, Hideaki Hata, and Ali Babar. Revenue Maximizing Markets for Zero-Day Exploits	Anh Duc Nguyen, Nan Tian, Yue Xu, and Yuefeng Li. Specialized Review Selection Using Topic Models	(ISA-8) (14:10-14:30) Classification of Diabetic Retinopathy Stages using Image Segmentation and an Artificial Neural Network Narit Hnoohom and Ratikanlaya Thanuwapathom	(RSAI-8) (14:10 - 14:30) Fatigue Classification of Military Mission by EEG signals via Artificial Neural Network (ANN) Worawut Yimyam, Mahasak Ketcham	
		Christopher K. Frantz, Bastin Tony Roy Savarimuthu, Martin K. Purvis, and Mariusz Nowostawski. Generalising Social Structure using Interval Type-2 Fuzzy Sets	Seamus Lyons. Quality of Thai to English Machine Translation	(ISA-9) (14:30-14:50) Medicine Recognition using Intrinsic Geometric Property from Pill Image M Ashrafat Amin Md. Zakir Hossan and Tanjina Pliash Proma	(RSAI-9) (14:30 - 15:00) Arrival Time Prediction and Train Tracking Analysis Somkiat Kosolsombat, Wasit Limprasert	
Aug 22 Break	15:00-15:30	BREAK				
Aug 22 Session 3	15:30-17:00	PRIMA Session 3 Social Science Session (Session Chair: Michael Mäs)	PKAW Session 3 Knowledge Acquisition and Machine Learning - I (Session Chair: Byeong Ho Kang)		Workshop 2 - Int'l Research Student Symposium on the Artificial Intelligence and Applications (RSAI) (+PeHealth) (3) (Session Chair: Thaweesak Yingthawornasuk)	Tutorial 1/3 - Deep learning for natural language processing Assoc. Prof. Dr. Hidekazu Yanagimoto
		Thomas Feliciani, Andreas Flache, and Jochem Tolsma. How, When and Where Can Spatial Segregation Induce Opinion Polarization? Two Competing Models	Thi Ngoc Chau Vo, Tru Hoang Cao, and Tu Bao Ho. Abbreviation Identification in Clinical Notes with Level-wise Feature Engineering and Supervised Learning		(RSAI-10) (15:30 - 15:40) The Limb Leads ECG Signal Analysis in Myocardial Infarction Patients Anchana Muankid, Mahasak Ketcham	
		Michael Mäs and Dirk Heibing. Can Noise in Behavioral Models Improve Macro-Predictions? An Empirical Test	Masurah Mohamad and Ali Selamat. A New Hybrid Rough Set and Soft Set Parameter Reduction Method for Spam E-Mail Classification Task		(RSAI-11) (15:40 - 16:00) Estimating PSD Characteristics of ECG in Comparison between Normal and Supraventricular Subjects Thaweesak Yingthawornasuk, Siriphan Phetuanam	
		Xin Sun and Livio Robaldo. All Baba and the Thief, Convention Emergence in Games	Ratna Hidayati, Katsutoshi Kanamori, Ling Feng, and Hayato Ohwada. Combining Feature Selection with Decision Tree Criteria and Neural Network for Corporate Value Classification			Tutorial 1/3 Deep learning for natural language processing Assoc. Prof. Dr. Hidekazu Yanagimoto
		Zhi Xing and Jae C. Oh. Heuristics on the Data-collecting Robot Problem with Immediate Rewards				
		Vivek Balaraman, Harshal Hayatnagarkar, Meghendra Singh, and Mayuri Duggirala. Towards Better Crisis Management in Support Services Organizations Using Fine Grained Agent Based Simulation				

PRICAI/PRIMA/PKAW (Day 2)

		Balroom B	Andaman	Arcadia 1	Arcadia 2	Similan
Aug 23 Regist	08:30-09:00	Registration				
Aug 23 Keynote	09:00-10:00	Keynote Speech Agent-based modelling and simulation for co-operative traffic and transport Joerg P. Mueller Department of Informatics, Clausthal University of Technology joerg.mueller@tu-clausthal.de				
Aug 23 Break	10:00-10:30	BREAK				
Aug 23 Session 4	10:30-12:00	PRIMA Session 4 (Session Chair: Paolo Torroni) <i>Phan Minh Dung, Tran Cao Son, and Phan Minh Thang.</i> Argumentation-Based Semantics for Logic Programs with First-Order Formulae <i>Michael J. Maher.</i> Resistance to Corruption of General Strategic Argumentation <i>Ryuta Arisaka and Ken Satoh.</i> Balancing Rationality and Utility in Logic-Based Argumentation with Classical Logic Sentences and Belief Contraction <i>Hiroyuki Kido.</i> Argumentation Versus Optimization for Supervised Acceptability Learning <i>Phan Minh Thang.</i> Dialectical Proof Procedures for Probabilistic Abstract Argumentation	PKAW Session 4 Knowledge Acquisition from Network and Big Data - II (Session Chair: Maria Lee) <i>Dohyeong Kim, Soyeon Caren Han, Sungyoung Lee, and Byeong Ho Kang.</i> Predicting the Scale of Trending Topic Diffusion Among Online Communities <i>Raushan Ara Dilruba and Mahmuda Naznin.</i> Finding Reliable Source for Event Detection Using Evolutionary Method <i>Eui Dong Kim and Peter Busch.</i> Workflow Interpretation via Social Networks <i>Rohit Kumar Singh, Vorapong Suppakitpaisarn, and Ake Osothongs.</i> Improving Motivation in Survey Participation by Question Reordering	Workshop 3 - International Workshop on Artificial Intelligence for Tourism (AI4T) (Session Chair: Manabu Okumura) Opening Ceremonies (10:30) (AI4T-1) (10:35-11:00) Inferring Tourist Behavior and Purposes of a Twitter User <i>Yuya Nozawa, Masaki Endo, Yo Ehara, Masaharu Hirota, Syohei Yokoyama, Hiroshi Ishikawa</i> (AI4T-2) (11:00-11:25) Two stage travel salesman model of world tourism <i>Surafel Luulseged Tilahun, Jean Medard T Ngnotchouye</i> (AI4T-3) (11:25-11:50) Extracting and Characterizing Functional Communities in Spatial Networks <i>Takayasu Fushimi, Kazumi Saito, Tetsuya Ikeda, Kazuhiro Kazama</i> (AI4T-4) (11:50-12:15) Travellers' Behaviour Analysis Based on Automatically Identified Attributes from Travel Blog Entries <i>Kazuki Fujii, Hidetsugu Nanba, Toshiyuki Takezawa, Aya Ishino, Manabu Okumura, Youhei Kurata</i> Closing (12:15)	Tutorial 2 - Introduction to Coalition Formation and Its Application Chattrakul Sombaththeera, Maharakham University Tutorial 2 Introduction to Coalition Formation and its Application Chattrakul Sombaththeera, Maharakham University	Tutorial 3 - Collective Intelligence: Using Systems/Design Thinking Methods to Improve Group Intelligence Jarun Ngamvirojcharoen, Komes Chandavimol Tutorial 3 Collective Intelligence: Using Systems/Design Thinking Methods to Improve Group Intelligence Jarun Ngamvirojcharoen, Komes Chandavimol
Aug 23 Lunch	12:00-13:30	LUNCH				
Aug 23 Session 5	13:30-15:00	PRIMA Session 5 (Session Chair: Matteo Baldoni) <i>Murat Şensoy, Lance Kaplan, and Geeth de Mel.</i> Semantic Reasoning with Uncertain Information from Unreliable Sources <i>Guido Governatori, Francesco Olivieri, Erica Calarod, Antonino Rotolo, and Matteo Cristani.</i> Sequence Semantics for Normative Agents <i>Vahid Yazdanpanah and Mehdi Dastani.</i> Distant Group Responsibility in Multi-Agent Systems <i>Chitta Baral, Tran Cao Son, Michael Gelfond, and Arindam Mitra.</i> Plan Failure Analysis: Formalization and Application in Interactive Planning Through Natural Language Communication	PKAW Session 5 Knowledge Acquisition and Applications (Session Chair: Takahira Yamaguchi) <i>Danny Y. T. Liu, Deborah Richards, Phillip Dawson, Jean-Christophe Froissard, and Amara Afif.</i> Knowledge Acquisition for Learning Analytics: Comparing Teacher-Derived, Algorithm-Derived, and Hybrid Models in the Moodle Engagement Analytics Plugin <i>Bo Hu and Boris Villazon Terrazas.</i> Building a Mental Health Knowledge Model to Facilitate Decision Support <i>Deborah Richards and Patrina Caldwell.</i> Building a Working Alliance with a Knowledge Based System Through an Embodied Conversational Agent	Workshop 4 - International Workshop on Artificial Intelligence for Educational Applications (AIED) (1) (Session Chair: Thepchi Supnithi) (AIED-1) (13:30-14:00) Contents Organization Support for Logical Presentation Flow <i>Tomoko Kajiri, Yuta Watanabe</i> (AIED-2) (14:00-14:20) K-Mean Algorithm for Finding Students' Proficiency with a Framework's Item Examination <i>Nongnuch Ketui, Kanitha Homjun, Prasert Lueghkhong</i> (AIED-3) (14:20-14:40) Examination Timetabling using Prey Predator Algorithm <i>Surafel Luulseged Tilahun, Jean Medard T Ngnotchouye</i> (AIED-4) (14:40-15:00) Development of Salary Prediction System to Improve Student Motivation using Data Mining Technique <i>Pornthep Khongchai, Pokpong Songmuang</i>	Workshop 5/1 - The 7th International Workshop on Empathic Computing (IWEC-16) (13:00-15:00) (Session Chair: Masayuki Numao, 13:45-14:30 [Invited Talk]) (Session Chair: Juan Lorenzo Hagad, 14:30-15:30 [Paper Presentations]) Opening Ceremonies (13:30-13:45) Invited Talk (13:45-14:30) Recent advances in emotional and motivational circuits <i>Kenji Tanaka</i> Department of Neuropsychiatry Keio University School of Medicine (IWEC-1) (14:30-15:00) Application of Annotation on Smoothing for Subject-independent Emotion Recognition based on Electroencephalogram <i>Nattapong Thammasan, Ken-ichi Fukui, Masayuki Numao</i> (IWEC-2) (15:00-15:30) Modeling Negative Affect Detector of Novice Programming Students using Keyboard Dynamics and Mouse Behavior <i>Larry Vea, Ma. Mercedes Rodrigo</i>	Tutorial 4/1 - Visually See Text Mining Math Processes on LSA, SVD, and Gibbs Sampling Prof. Dr. Yukari Shirota Tutorial 4/1 Visually See Text Mining Math Processes on LSA, SVD, and Gibbs Sampling Prof. Dr. Yukari Shirota, Gakushuin University, Japan.
Aug 23 Break	15:00-15:30	BREAK				
Aug 23 Session 6	15:30-17:00	PRIMA Session 6 (Session Chair: Mingyu Guo) <i>Jieyu Zhan and Xudong Luo.</i> Offer Evaluation and Trade-off Making in Automated Negotiation Based on Intuitionistic Fuzzy Constraints <i>Ryosuke Shibusawa, Tomoaki Otsuka, and Toshiharu Sugawara</i> Spread of Cooperation in Complex Agent Networks Based on Expectation of Cooperation <i>Hoa Khanh Dam and Aditya K. Ghose.</i> Analyzing Topics and Trends in the PRIMA Literature <i>Leonel Enrique Aguilar Melgar, Medjdedjara Lalith, Tsuyoshi Ichimura, and Munee Hor.</i> Automatic Evacuation Management Using a Multi Agent System and Parallel Meta-heuristic Search <i>Islem Hénane, Sameh Hadouaj, Khaled Ghédira, and Ali Ferchichi.</i> Modeling Organizational and Institutional Aspects in Renewable and Natural Resources Management Context	PKAW Session 6 Knowledge Acquisition and Machine Learning - II (Session Chair: Kenichi Yoshida) <i>Santosh Kumar, Xiaoying Gao, and Ian Welch.</i> Learning Under Data Shift for Domain Adaptation: A Model-Based Co-clustering Transfer Learning Solution <i>Noorazila Sulaiman, Junita Mohamad-Saleh, and Abdul Ghani Abro.</i> Robust Modified ABC Variant (JA-ABC5b) for Solving Economic Environmental Dispatch (EED) <i>Takeshi Morita, Yu Sugawara, Ryota Nishimura, and Takahira Yamaguchi.</i> Integrating Symbols and Signals Based on Stream Reasoning and ROS	Workshop 4 - International Workshop on Artificial Intelligence for Educational Applications (AIED) (2) (Session Chair: Rachada Kongkachandras) (AIED-5) (15:30-16:00) A Framework to Generate Carrier Path Using Semantic Similarity of Competencies in Job Position <i>Wasan Na Chai, Taneth Ruangrajitpakorn, Marut Buranarach, Thepchai Supnithi</i> (AIED-6) (16:00-16:20) Automatic Question Generation on SQL Language Using Template-Based Method <i>Jittima Janphat, Orawan Chaowalit</i> (AIED-7) (16:20-16:40) TSCS Monitor: Generation of Time Series Cross Section Tables from Moodle Logs for Tracking In-Class Page Views Using Excel Macros <i>Konomu DOBASHI</i> (AIED-8) (16:40-17:10) Building a Semantic Ontology for Virtual Pests in Narrative-Based Environments <i>Ethel Chua Joy Ong, Danielle Grace Consignado, Sabrina Jane Ong, Zhayne Chong Soriano</i>	Workshop 5/2 - The 7th International Workshop on Empathic Computing (IWEC-16) (16:00-18:00) (Session Chair: Nattapong Thammasan) IWEC Poster (16:00-16:30) (IWEC-3) (16:30-17:00) Affective Laughter Expressions from Body Movements <i>Jocelynn Cu, Ma. Beatrice Luz, McAnjelo Nocum, Timothy Jasper Purganan, Wing San Wong</i> (IWEC-4) (17:00-17:20) Multimodal Latent Feature Learning for Psycho-Physiological Stress Modeling and Detection <i>Juan Lorenzo Hagad, Ken-ichi Fukui, Masayuki Numao</i> (IWEC-5) (17:20-17:40) Computational Model for Affect Detection in Learning <i>Najlaa Mokhtar, Syaheerah Lebai Lutfi</i> Summary and Closing (17:40-18:00)	Tutorial 4/2 - Visually See Text Mining Math Processes on LSA, SVD, and Gibbs Sampling Prof. Dr. Yukari Shirota Tutorial 4/2 Visually See Text Mining Math Processes on LSA, SVD, and Gibbs Sampling Prof. Dr. Yukari Shirota, Gakushuin University, Japan.
Aug 23 Welcome	18:30-21:00	Welcome Reception (Lagoon Lawn) (18:30-21:00)				