

14th International Conference on Intelligent Systems Design and Applications (ISDA'14)
10th International Conference on Information Assurance and Security (IAS'14)
Okinawa, Japan
November 27-29, 2014
Technical Program

Thursday, November 27, 2014

08:00 - 18:30	Registration Day 1
08:30 – 08:50	Opening Ceremony
08:50 – 10:50	<p>Session 1</p> <p>D1-1: JESTER Methodology: A Wood of Fire Case Study Jakub Zak and Frantisek Zboril</p> <p>D1-2: A Study of the Multi-Trip Vehicle Routing Problem with Time Windows and Heterogeneous Fleet François Despaux and Sebastián Basterrech</p> <p>D1-3: Dimension reduction methods in Graph Drawing Problem Lukas Zaoralek, Tomas Burianek and Vaclav Snašel</p> <p>D1-4: Decision Making and Partner Selection Based on Trust in Multi-context Environment Jan Samek, Ondrej Malacka, Frantisek Zboril and Frantisek Zboril</p> <p>D1-5: Segmentation-based Fractal Texture Analysis and Color Layout Descriptor for Content Based Image Retrieval Muhammad Imran, Rathiah Hashim, Noor Elaiza Abdul Khalid and Muhammad Imran</p> <p>D1-6: Extraction of Arbitrary Text in Natural Scene Image based on Stroke Width Transform Jinjuli Jameson and Siti Norul Huda Sheikh Abdullah</p>
10:50 – 11:00	Break
11:00 – 12:00	<p>Plenary session 1</p> <p>Machine learning and brain science</p> <p>Kenji Doya, Neural Computation Unit, Okinawa Institute of Science and Technology(OIST,) Japan</p>
12:00 – 13:00	Lunch Break
13:00 – 14:40	<p>Session 2</p> <p>D1-7: Application of Xie-Beni-type Validity Index to Fuzzy Co-clustering Models Based on Cluster Aggregation and Pseudo-cluster-center Estimation Mai Muranishi, Katsuhiro Honda and Akira Notsu</p> <p>D1-8: Static Output Feedback Control Design with Guaranteed Cost of Takagi-Sugeno Fuzzy Systems Jun Yoneyama and Kenta Hoshino</p> <p>D1-9: A Framework for Semantic Telco Process Management – An Industrial Case Study Nour Assy, Karn Yongsiriwit, Walid Gaaloul and Imen Grida Ben Yahia</p> <p>D1-10: Heart Rate Estimation based on Camera Image Toshihiro Kitajima, Sangon Choi and Edwardo Arata Y. Murakami</p> <p>D1-11: Handling Multiple Intentions Using Action Heuristics Jiri Kral, Frantisek Zboril and Frantisek Vitezslav Zboril</p>
14:40 – 14:50	Break

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14:50 – 16:30	<p>Session 3</p> <p>D1-12: A Non-dominated Sorting Firefly Algorithm for Multi-Objective Optimization Chun-Wei Tsai, Yao-Ting Huang and Ming-Chao Chiang</p> <p>D1-13: A Hyper-heuristic approach towards mitigating Premature Convergence caused by the Objective Fitness Function in Boolean Concept Learning GP Anisa Ragalo and Nelishia Pillay</p> <p>D1-14: A New False Peak Elimination Method for Poor DNA Gel Images Analysis Ros Surya Taher, Nursuriati Jamil, Sharifalillah Nordin and Umikalsum Mohamed Bahari</p> <p>D1-15: Model of Bayesian Tangent Eye Shape for Eye Capture Asama Kuder, Azizah Jaafar, Layth Sliman, Riza Sulaiman and Rahmita Wirza Rahmat</p> <p>D1-16: Evolving Directed Graphs with Artificial Bee Colony Algorithm Xianneng Li, Guangfei Yang and Kotaro Hirasawa</p>
16:30 – 16:40	Break
16:40 – 18:40	<p>Session 4</p> <p>D1-17: An Intelligent Recommendation System using Preference Regularization Tak-Lam Wong</p> <p>D1-18: ROS-based Remote Controlled Robotic Arm Workcell Jaroslav Rozman, Radim Luža and František V. Zbořil</p> <p>D1-19: HMM Based Approach for Online Arabic Handwriting Recognition Hozeifa Adam Abd Alshafy and Mohamed Elhafiz Mustafa</p> <p>D1-20: Assembling Bloat Control Strategies in Genetic Programming for Image Noise Reduction Keiko Ono and Yoshiko Hanada</p> <p>D1-21: Text2MARK: A text mining tool to aid knowledge representation – (MARK2) Clay Palmeira Da Silva</p> <p>D1-22: The weighted Support Vector Machines for the stock turning point prediction Pei-Chann Chang and Jheng-Long Wu</p>
19:00 – 21:00	Banquet

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Friday, November 28, 2014

08:00 - 16:30	Registration Day 2
08:50 – 10:50	<p>Session 1</p> <p>D2-1: Ensemble Relations for Resource Allocation Tasks Mario Koeppen, Kei Ohnishi and Masato Tsuru</p> <p>D2-2: Multi-agent system based on oscillating agents for portfolio design Sarunas Raudys, Aistis Raudys and Darius Plikynas</p> <p>D2-3: Tokenizer for Malay language using Pattern Matching Juhaida Abu Bakar, Khairuddin Omar, Mohammad Faizul Nasrudin and Mohd Zamri Murah</p> <p>D2-4: ACO for Continuous Function Optimization: A Performance Analysis Varun Ojha, Ajith Abraham and Vaclav Snasel</p> <p>D2-5: Predefined Clause-based Structure to Subdue Blank Node Issues Mary Ting, Azreen Azman and Rabiah Abdul Kadir</p> <p>D2-6: Towards an Effective E-Government Framework: Tasks and Instruments for Design and Evaluation of Public Sector Websites Sahar Osman, Fathelalem Ali, Mohamed Musa and Layth Sliman</p>
10:50 – 11:00	Break
11:00 – 12:00	<p>Plenary session 2</p> <p>Modeling basic perceptual functions</p> <p>Andrew P. Paplinski</p> <p>Warsaw University of Technology, Poland</p>
12:00 – 13:00	Lunch Break
13:00 – 14:40	<p>Session 2</p> <p>D2-7: Toward a Control of a Mouse Pointer: EEG Analysis for Feature Extraction Tomoi Shimogasa and Hiroki Higa</p> <p>D2-8: A Novel Evolutionary Algorithm with Indirect Representation and Extended Nearest Neighbor Constructive Procedure for Solving Routing Problems Jiri Kubalik and Michal Snizek</p> <p>D2-9: How to Read The Web In Portuguese Using the Never-Ending Language Learner's Principles Maisa Duarte and Estevam Hruschka Junior</p> <p>D2-10: Parametric Sensitivity Analysis of cOptBees Optimal Clustering Algorithm Dávila P. F. Cruz, Renato D. Maia and Leandro N. De Castro</p> <p>D2-11: An Optimal Line Search Algorithm for the Conjugate Gradient Method Toru Yamazato</p>
14:40 – 14:50	Break

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14:50 – 16:30	<p>Session 3</p> <p>IAS-1: Towards Secure End-to-End Data Aggregation in AMI through Delayed-Integrity-Verification Sye Loong Keoh and Zhaohui Tang</p> <p>IAS-2: ETC: Effective Trustworthy Communication with Two-mode Authentication for Disaster Recovery Tanapat Ruengsatra, Kulit Na Nakorn, Kultida Rojviboonchai and Kerek Piromsopa</p> <p>IAS-3: TWalker: An Efficient Taint Analysis Tool Jinxin Ma</p> <p>IAS-4: Automatic Generation of Correlation Rules to Detect Complex Attack Scenarios Erwan Godefroy, Eric Totel, Michel Hurfin and Frederic Majorczyk</p> <p>IAS-5: Passive Video Forgery Detection Techniques: A Survey Ainuddin Wahid Abdul Wahab, Mustapha Aminu Bagiwa, Mohd. Yamani Idna Idris, Suleman Khan, Zaidi Razak and Muhammad Rezal Kamel Ariffin</p>
16:30 – 16:40	Break
16:40 – 18:40	<p>Session 4</p> <p>IAS-6: Improving Web Application Firewalls to Detect Advanced SQL Injection Attacks Abdelhamid Makiou, Youcef BEGRICHE and Ahmed SERHROUCHNI</p> <p>IAS-7: Security assurance of local data stored by HTML5 web application Mayssa Jemel and Ahmed Serhrouchni</p> <p>IAS-8: A Novel Psychovisual Model on An Independent Video Frame for Almost Lossless Compression Nur Azman Abu and Muhammad Rezal Kamel Ariffin</p> <p>IAS-9: Secure firmware architecture using virtual hard disks Jaebum Sim and Jungchan Na</p> <p>IAS-10: An Experimental Study on Firewall Performance Chenghong Wang, Donghong Wang, Hualin Lu, Jing Zhao, Zhenyu Zhang and Zheng Zheng</p> <p>IAS-11: Extraction method of Region of Interest from hand palm: Application with contactless and touchable devices Saliha Artabaz, Karima Benatchba, Mouloud Koudil, Dellys Hachemi Nabil and Ahmed Bouridane</p>

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Virtual Presentations: November 27~28 10:00 ~ 17:00

10:00 – 17:00	ISDA-P1: Cluster Head Election in Wireless Sensor Networks Sara Elrefaay, Marianne Azer and Nashwa Abdelbaki
	ISDA-P2: Optimization of Excerpt Query Process for Packet Attribution System Shesha Shila Bharadwaj Renukuntla and Shatrunjay Rawat
	ISDA-P3: Context-Aware Intrusion Alerts Verification Approach Sherif Saad, Issa Traore and Marcelo Brocardo
	ISDA-P4: Performance analysis of TDMA Based Data Transmission in WSN Supantha Das, Indrajit Banerjee, Mainak Chatterjee and Tuhina Samanta
	ISDA-P5: GELS-GA: Hybrid Metaheuristic Algorithm for Solving Multiple Travelling Salesman Problem Ali A. Rahmani Hosseinabadi, Maryam Kardgar, Mohammad Shojarfar, Shahaboddin Shamshirband and Ajith Abraham
	ISDA-P6: A Multi-Knowledge Extraction Algorithm for Rough Set And The Formal Concept Analysis Zhengqiong Zhu, Hui Li, Guangyao Dai, Ajith Abraham, Wanqing Yang
	ISDA-P7: Transferring knowledge between learning systems Andrew Paplinski and William Mount

Late Breaking Papers and Poster Sessions: November 27~28 10:00 ~ 17:00

A Fundamental Study on Digital VideoWatermarking for Two-Dimensional Barcodes Displayed on Mobile Phone Screens Takeru Maehara, Satoshi Ono and Ryo Ikeda
Semantic Ambiguous Query Formulation using Statistical Linguistics Technique Rabiah A.Kadir, Rufai Aliyu Yauri, Azreen Azman and Masrah A.A.Murad
Text Classification Based On Manifold Semi-Supervised Support Vector Machine Duy Thanh Vo, Hung Vo Trung, Minh Tuan Pham and Khac Hung Ho
Adaptive Channel Estimation Technique for SCFDMA System Yogeswararao Gurubelli, Umamaheswar Soma, Krishna Patteti, Anilkumar Tipparti, Srinivas Rao Kumupalli and Kishan Rao Kalithkar
Constructing Opinion Mining model of Sudanese Telecom Products Limia Rahamatalla, Eltayeb Abuelyaman and Wafaa Mukhtar

Saturday, November 29, 2014

09:00 – 17:00	OIST/MEIO Study tour Sight Seeing in Okinawa: Okinawa Churaumi Aquarium
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