



ICAIS'14

2014 INTERNATIONAL CONFERENCE ON ADAPTIVE AND INTELLIGENT SYSTEMS

SEPTEMBER 08-09, 2014, Bournemouth - UK

FINAL PROGRAM

Location: Executive Business Centre – Floor 3

Time	Sessions	Chair
8:30-9:00	Registration	
9:00-9:15	Opening	
9:15-10:30	Keynote: Distributed Data Stream Mining <i>Prof. Joao Gama</i>	Hamid Bouchachia
10:30-10:45	Coffee break	
10:45-12:50	Session: Clustering & Classification	Joao Gama
10:45-11:10	Learning sentiment from students' feedback for real-time interventions in classrooms <i>Nabeela Altrabsheh, Mihaela Cocea and Sanaz Fallahkhair</i>	
11:10-11:35	Multi-Resident Activity Recognition Using Incremental Decision Trees <i>Markus Prosegger and Abdelhamid Bouchachia</i>	
11:35-12:00	A Dynamic Bayesian Model of Homeostatic Control <i>William Penny and Klaas Stephan</i>	
12:00-12:25	ICALA: Incremental Clustering & Associative Learning Architecture <i>Matthias Ulrich Keysermann</i>	
12:25-12:50	Context Identification and Exploitation in Dynamic Data Mining - an Application to Classifying Electricity Price Changes <i>Lida Barakat</i>	
12:50-14:00	Lunch	
14:00-15:15	Keynote: Music Lessons and Other Exercises <i>Prof. Kurt Geihs</i>	Hamid Bouchachia
15:15-15:30	Coffee break	
15:30-17:35	Session: Adaptive Optimization	Kurt Geihs
15:30-15:55	A Models@run.time Approach for Multi-Objective Self-Optimizing Software <i>Sebastian Götz, Thomas Kühn, Christian Piechnick, Georg Püschel, Uwe Aßmann</i>	
15:55-16:20	Monitoring of Quality of Service in Dynamically Adaptive Systems <i>Sihem Loukil, Slim Kallel and Mohamed Jmaiel</i>	
16:20-16:45	Reference Architecture for Self-Adaptive Management in Wireless Sensor Networks. <i>Jesús Talavera Portocarrero, Flavia Delicato, Paulo Pires and Thais Batista</i>	
16:45-17:10	Future Prospects of Human Interaction with Artificial Autonomous Systems <i>Andrzej M.J. Skulimowski</i>	
17:10-17:35	Towards a Better Understanding of the Local Attractor in Particle Swarm Optimization: Speed and Solution Quality <i>Vanessa Lange, Manuel Schmitt and Rolf Wanka</i>	
17:45	Welcome Reception	



ICAIS'14

2014 INTERNATIONAL CONFERENCE ON ADAPTIVE AND INTELLIGENT SYSTEMS

SEPTEMBER 08-09, 2014, Bournemouth - UK

Time	Sessions	Chair
9:00-10:30	Keynote: Feature Extraction for Change Detection Prof. Ludmila Kuncheva	Hamid Bouchachia
10:30-10:50	Coffee break	
10:50-12:30	Session: Advances in Feature Selection	Hammadi Nait Charif
10:50-11:15	A Hierarchical Infinite Generalized Dirichlet Mixture Model with Feature Selection <i>Wentao Fan, Hassen Sallay, Nizar Bouguila, Sami Bourouis</i>	
11:15-11:40	Importance of Feature Selection for Recurrent Neural Network based Forecasting of Building Thermal Comfort <i>Martin Macas, Fabio Moretti, Fiorella Lauro, Stefano Pizzuti, Mauro Annunziato, Alessandro Fonti, Gabriele Comodi, Andrea Giantomassi</i>	
11:40-12:05	Classifying Textures with Only 10 Visual-Words Using Hidden Markov Models with Dirichlet Mixtures <i>Elise Epailard, Nizar Bouguila, Djemel Ziou</i>	
12:05-12:30	A Novel Method for Scene Categorization using an Improved Visual Vocabulary Approach <i>Tarek Elguebaly, Nizar Bouguila</i>	
12:30-13:30	Lunch	
13:30-14:30	Invited Talk: Adaptive Ambient Intelligence and Smart Environments Dr. Ahmad Lotfi	Emili Balaguer-Ballester
14:30-14:50	Coffee break	
14:50-16:55	Session: Advances in Time Series Analysis	Lotfi Ahmad
14:50-15:15	Decremental Rough Possibilistic K-Modes <i>Asma Ammar, Zied Elouedi and Pawan Lingras</i>	
15:15-15:40	Empirical identification of non-stationary dynamics in time series of recordings <i>Emili Balaguer-Ballester, Alejandro Tabas-Diaz and Marcin Budka</i>	
15:40-16:05	Recurrent Neural Network Inspired by the Immune Algorithm for Time Series Prediction <i>Abir Jaafar Hussain, Haya Al-Askar and Dhiya Al-Jumeily</i>	
16:05-16:30	Collaborative Wind Power Forecast <i>Vânia Almeida and João Gama</i>	
16:30-16:55	QoS-based Reputation Feedback Fusion Under Unknown Correlation <i>Mohamad Mehdi, Nizar Bouguila and Jamal Bentahar</i>	
19:00-	Conference Dinner	