

Conference on Prestigious Applications of Intelligent Systems - PAIS 2014

Programme

Wednesday, August 20th – Clarion Congress Hotel, Room Virgo

9:00-10:00 PAIS Opening and Invited Speaker

1. Welcome and Opening
2. From Music to Agreement Technologies: 10+ years of AI applications at the IIIA
Ramon López de Mántaras

10:00-10:30 Coffee Break

10:30-12:10 PAIS Session 1 (4 x 25 min.)

3. **(Best Paper)** NICTA Evacuation Planner: Actionable Evacuation Plans with Contraflows
Caroline Even, Victor Pillac, and Pascal Van Hentenryck
4. Bicycle Route Planning with Route Choice Preferences
Jan Hrnčíř, Qing Song, Pavol Zilecky, Marcel Nemet, and Michal Jakob
5. Stop-Free Strategies for Traffic Networks: Decentralized On-line Optimization
Mohamed Tlig, Olivier Buffet, and Olivier Simonin
6. An Integrated Reconfigurable System for Maritime Situational Awareness
Marina Velikova, Peter Novák, Bas Huijbrechts, Jan Laarhuis, Jesper Hoeksma, and Steffen Michels

12:10-13:40 Lunch

13:40-15:20 PAIS Session 2 (4 x 25 min.)

7. No One is Left “Unwatched”: Fairness in Observation of Crowds of Mobile Targets in Active Camera Surveillance
Prabhu Natarajan, Kian Hsiang Low, and Mohan Kankanhalli
8. INTELLIREQ: Intelligent Techniques for Software Requirements Engineering
Gerald Ninaus, Alexander Felfernig, Martin Stettinger, Stefan Reiterer, Gerhard Leitner, Leopold Weninger, and Walter Schanil
9. Efficient Policy Iteration for Periodic Markov Decision Processes
Takayuki Osogami and Rudy Raymond

10. Influence of internal values and social networks for achieving sustainable organizations
N. Sánchez-Marroño, A. Alonso-Betanzos, O. Fontenla-Romero, C. Brinquis-Núñez, J. G. Polhill, and T. Craig

15:20-15:50 Coffee Break

15:50-16:40 PAIS Session 3 (2 x 25 min.)

11. Geometrical Feature Extraction for Cuneiforms
Ariella Richardson and Uzy Smilansky
12. Combining Engineering and Qualitative Models to Fault Diagnosis in Air Handling Units
Peter Struss, Raymond Sterling, Jesús Febres, Umbreen Sabir, and Marcus M. Keane

16:40-17:20 PAIS Session 4 - Short Paper and Demo Introductions (13 x 3 min.)¹

Short Papers

13. Stochastic Filtering Methods for Predicting Agent Performance in the Smart Grid
Charilaos Akasiadis and Georgios Chalkiadakis
14. Clustering weather situations with respect to prediction of solar irradiance by multiple NWP models
Pavel Krč, Kryštof Eben, and Emil Pelikán
15. Modular Behavior Trees: Language for Fast AI in Open-World Video Games
Tomáš Plch, Matěj Marko, Petr Ondráček, Martin Černý, Jakub Gemrot, and Cyril Brom
16. Extending Semantic Sensor Networks for Automatically Tackling Smart Building Problems
Joern Ploennigs, Anika Schumann, and Freddy Lecue
17. Parkinson*Check* Smart Phone App
Aleksander Sadikov, Vida Groznik, Jure Žabkar, Martin Možina, Dejan Georgiev, Zvezdan Pirtošek, and Ivan Bratko
18. Condition Monitoring with Incomplete Observations
Jonas Vlasselaer, Wannes Meert, Rocco Langone, and Luc De Raedt
19. Real-time Adaptive Problem Detection in Poultry
Steven P.D. Woudenberg, Linda C. van der Gaag, Ad Feelders, and Armin R.W. Elbers

Systems Demonstrations

20. The Piano Music Companion
Andreas Arzt, Sebastian Böck, Sebastian Flossmann, Harald Frostel, Martin Gasser, Cynthia C. S. Liem, and Gerhard Widmer
21. VMAP: A Visual Schema Mapping Tool
Florin Chertes and Ingo Feinerer

¹Short papers and systems demonstrations will be presented during the ECAI/PAIS poster session.

22. Personalized Fully Multimodal Journey Planner
Michal Jakob, Jan Hrnčir, Luis Oliva, Francesco Ronzano, Pavol Zilecky, and Jason Finnegan
23. Orwellian Eye: Video Recommendation with Microsoft Kinect
Tomáš Kliegr and Jaroslav Kuchař
24. Advanced Public Transport Network Analyser
Jan Nykl, Michal Jakob, and Jan Hrnčir
25. Mobile Tourist Guide: Bridging the Gap between Recommending, Planning and User-Centered Interaction
Richard Schaller and Martin Hacker

17:20-17:30 Wrap-up

Thursday, August 21st

9:00-17:30 PAIS Systems Demonstrations

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13:10-13:40 PAIS Poster Session

Clarion Congress Hotel Prague, 3rd floor foyer

15:20-15:50 PAIS Poster Session

Clarion Congress Hotel Prague, 3rd floor foyer