IEA-AIE 2017 CALL FOR PAPERS

The 30th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems

(http://www.cril.univ-artois.fr/ieaaie2017/)

June 27-30, 2017 Arras (near Paris, France)



Sponsored by: International Society of Applied Intelligence (ISAI)

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Association for the Advancement of Artificial Intelligence (AAAI);

Association for Computing Machinery (ACM/SIGART);

Catalan Association for Artificial Intelligence (ACIA);

International Neural Network Society (INNS); Italian Artificial Intelligence Association (AI*IA);

Japanese Society for Artificial Intelligence (JSAI);

Lithuanian Computer Society - Artificial Intelligence Section (LIKS-AIS);

Spanish Society for Artificial Intelligence (AEPIA);

Society for the Study of Artificial Intelligence and the Simulation of Behaviour (AISB);

Taiwanese Association for Artificial Intelligence (TAAI);

Taiwanese Association for Consumer Electronics (TACE);

Centre Nationale de la Recherche Scientifique (CNRS);

Texas State University, USA;

Artois University, France;

Scope: IEA/AIE 2017 continues the tradition of emphasizing applications of applied intelligent systems to solve real-life problems in all areas including engineering, science, industry, automation & robotics, business & finance, medicine and biomedicine, bioinformatics, cyberspace, and human-machine interactions.

Authors are invited to submit their papers in English of up to 10 single spaced pages, presenting the results of original research or innovative practical applications relevant to the conference. Practical experiences with state-of-the-art AI methodologies are also acceptable when they reflect lessons of unique value to the conference attendees. Shorter works, up to 6 pages, to be presented in 10 minutes, may be submitted as short papers representing work in progress or suggesting possible research directions. All paper submissions will be done electronically, as indicated in the instructions on the conference web site. All papers will be peer reviewed and final copies of papers for inclusion to the conference proceedings will be published in a bound volume by Springer-Verlag (formatting instructions are available Mohd Shafry M. Rahim (MY) at http://www.springer.de/comp/lncs/authors.html) in their Lecture Notes in Artificial Intelligence series.

Topics of interest

Adaptive Control Ambient Intelligence Application to Design Applications to

Manufacturing Argumentation Systems Bayesian Networks Autonomous Agents Bio-informatics Case-based Reasoning Barbara Vantaggi (ÍT) Case-based Reaso Zsolt J. Viharos Martijn (HU) Chance Discovery Cognitive Modeling Computer Animation Computer Vision Constraint Satisfaction Conversational Informatics Data Mining Decision Support Systems

Description Logics Distributed Problem Solving Evolutionary Algorithms Expert Systems Financial Applications Genetic Programming Heuristic Search Human Robot Interaction Integration Systems for Real Life Applications Intelligent Interfaces Intelligent Systems Intelligent Systems in Education

Internet Applications Interaction Planning and Scheduling

KBS Methodology

Knowledge Management Knowledge Processing Machine Learning Meta-heuristics Model-based Reasoning Multi-Agent Systems Natural Language Processing Neural Networks Non-Monotonic Logics Planning and Scheduling Reasoning under Uncertainty Social Networks Applications Soft Computing Spatial Reasoning Speech Recognition Web Semantics and Ontologies

General chairs Moonis ALI (US)

Program co-chairs Salem BENFERHAT (FR) Karim TABIA (FR)

Organization co-chairs Salem BENFERHAT (FR) Sylvain LAGRUE (FR)

Special Session co-chairs Zied BOURAOUI (UK) Steven SCHOCKAERT (UK)

Workshop co-chairs Jianbing MA (UK) Hongchuan YU (UK)

Social events & Local arrangements co-chairs Nathalie CHETCUTI-SPERANDIO (FR) Karim TABIA (FR)

Web co-chairs Fabien DELORME (FR) Amélie LEVRAY (FR)

Publicity co-chairs Farid NOUIOUA (FR) Éric PIETTE (FR)

Invited speakers

- Frédéric **CUPPENS** (FR)
- Leon VAN DER TORRE (LUX)
- Jian J. ZHANG (UK)

Workshops

- Ontologies and Logic Programming for Query Answering
- Computer Animation and Artificial Intelligence

Special Tracks

- Intelligent Systems and mHealth for Health Outcomes
- De Finettis heritage in uncertainty and decision making
- Graphical models: from Theory to Applications
- Agronomy and Artificial Intelligence
- Conditionals and nonmonotonic reasoning
- Computational Intelligence in Databases
- Novel approaches to ontological reasoning
- Applications of Argumentation
- Cognitive Vision Integrated Vision and AI for Embodied Perception and Interaction
- Anomaly Detection

IMPORTANT DATES Paper submission Nov 23, 2016

Notification of acceptance Feb 6, 2017 Camera ready paper Feb 25, 2017 Conference dates Jun 27-30, 2017