

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)

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Organized in cooperation with:

Association for the Advancement of Artificial Intelligence (AAAI);
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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 at <http://www.springer.de/comp/lncs/authors.html>) in their Lecture Notes in Artificial Intelligence series.

Topics of interest

Adaptive Control	Description Logics	Knowledge Management
Ambient Intelligence	Distributed Problem Solving	Knowledge Processing
Application to Design	Evolutionary Algorithms	Machine Learning
Applications to Manufacturing	Expert Systems	Meta-heuristics
Argumentation Systems	Financial Applications	Model-based Reasoning
Bayesian Networks	Genetic Programming	Multi-Agent Systems
Autonomous Agents	Heuristic Search	Natural Language Processing
Bio-informatics	Human Robot Interaction	Neural Networks
Case-based Reasoning	Integration Systems for Real	Non-Monotonic Logics
Chance Discovery	Life Applications	Planning and Scheduling
Cognitive Modeling	Intelligent Interfaces	Reasoning under Uncertainty
Computer Animation	Intelligent Systems	SAT
Computer Vision	Intelligent Systems in Education	Social Networks Applications
Constraint Satisfaction	Internet Applications	Soft Computing
Conversational Informatics	Interaction Planning and	Spatial Reasoning
Data Mining	Scheduling	Speech Recognition
Decision Support Systems	KBS Methodology	Web Semantics and Ontologies

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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 non-monotonic 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
- AI & Games

IMPORTANT DATES

Paper submission ~~Nov 23, 2016~~ Dec 15th, 2016

Notification of acceptance Feb 6, 2017

Camera ready paper Feb 25, 2017

Conference dates Jun 27-30, 2017