

# 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)

### Organized in cooperation with:

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 (JSIAI);  
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 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	Expert Systems	Meta-heuristics
Manufacturing	Financial Applications	Model-based Reasoning
Argumentation Systems	Genetic Programming	Multi-Agent Systems
Bayesian Networks	Heuristic Search	Natural Language Processing
Autonomous Agents	Human Robot Interaction In-	Neural Networks
Bio-informatics	tegration Systems for Real	Non-Monotonic Logics
Case-based Reasoning	Life Applications	Planning and Scheduling
Chance Discovery	Intelligent Interfaces	Reasoning under Uncertainty
Cognitive Modeling	Intelligent Systems	SAT
Computer Animation	Intelligent Systems in	Social Networks Applications
Computer Vision	Education	Soft Computing
Constraint Satisfaction	Internet Applications	Spatial Reasoning
Conversational Informatics	Interaction Planning and	Speech Recognition
Data Mining	Scheduling	Web Semantics and Ontolo-
Decision Support Systems	KBS Methodology	gies

### 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 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

### 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