

The 31st International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (IEA-AIE) 2018, Montreal

Important Dates

Paper Submission: November 27, 2017
 Notification of Acceptance: February 5, 2018
 Camera Ready Paper: February 26, 2018
 Conference Dates: June 25-28, 2018



General Chairs

Moonis Ali (US)

Program co-chairs

Malek Mouhoub (CA)
 Samira Sadaoui (CA)

Organization co-chairs

Otmane Ait-Mohamed (CA)
 Malek Mouhoub (CA)

Special Session co-chairs

Prof. Hamido Fujita, Iwate Prefectural University, Japan

Workshop co-chairs

TBA

Social events & Local arrangements co-chairs

TBA

Web co-chairs

Shubhashis Kumar Shil

Publicity co-chairs

TBA

Program Committee

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|--------------------------|-------------------------|-------------------|-------------------------|----------------------------|------------------------|
| Xiangdong An | Larbi Esmahi | Zahia Guessoum | Tetsuo Kinoshita | Marie-Jean Meurs | Fatiha Sadat |
| Ebrahim Bagheri | Ahmed Esmin | Tim Hendtlass | Frank Klawonn | Shamima Mithun | Gregorio Sainz-Palmero |
| Jamal Bentahar | Jocelyne Faddoul | Francisco Herrera | Leila Kosseim | Abidrahman Moh'D | Weiming Shen |
| Ismail Biskri | Behrouz Far | Mark Hoogendoorn | Lars Kotthoff | Malek Mouhoub | Shubhashis Kumar Shil |
| Lars Braubach | Atefeh Farzindar | Wen-Juan Hou | Dariusz Krol | Roger Nkambou | Joao Sousa |
| Andres Bustillo | Enrico Francesconi | Jimmy Huang | Adam Krzyzak | Seyednaser Nourashrafeddin | Bruce Spencer |
| Francisco Campa | Hamido Fujita | Diana Inkpen | Guy Lapalme | Dilip Pratihar | Dan Wu |
| Joao Paulo Carvalho | Michel Gagnon | Aminul Islam | Fuhua Lin | Sheela Ramanna | Yang Xiang |
| Flavio S Correa Da Silva | Yong Gao | He Jiang | Pawan Lingras | Robert Reynolds | Ying Zhang |
| Georgios Dounias | Nicolás García-Pedrajas | Vicente Julian | Mohamed El Bachir Menai | Samira Sadaoui | Bing Zhou |
| Gerard Dreyfus | Hans W. Guesgen | | | | |

Organized in cooperation with

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| Association for the Advancement of Artificial Intelligence (AAAI) | Spanish Society for Artificial Intelligence (AEPIA) |
| Association for Computing Machinery (ACM/SIGART) | Society for the Study of Artificial Intelligence and the Simulation of Behaviour (AISB) |
| Catalan Association for Artificial Intelligence (ACIA) | Taiwanese Association for Artificial Intelligence (TAAI) |
| International Neural Network Society (INNS) | Taiwanese Association for Consumer Electronics (TACE) |
| Italian Artificial Intelligence Association (AI*IA) | Centre Nationale de la Recherche Scientifique (CNRS) |
| Japanese Society for Artificial Intelligence (JSAI) | Texas State University, USA |
| Lithuanian Computer Society -Artificial Intelligence Section (LIKS-AIS) | |

Scope

IEA/AIE 2018 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 reect 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 nal 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

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