



# IEA/AIE 2016

## The 29th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems

August 2-4, 2016 Morioka, Japan

**Scope:** IEA/AIE 2016 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. IEA/AIE-2016 will include oral presentations, invited speakers, and special sessions.

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. Referees will be asked to nominate papers for a Best Paper Award to be announced at the conference. All papers will be automatically considered for publication in an expanded form in selected international journals.

### General Chairs

Moonis ALI (US)  
Hamido FUJITA (JP)

### Organizing Chairs

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### Program Chairs

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### Special Session Chair

Jun HAKURA (JP)  
Prima Oky Dicky A. (JP)

<http://ieaaie2016.iwate-pu.net>

### Topics of interest

- |                               |  |                              |
|-------------------------------|--|------------------------------|
| Adaptive Control              | Decision Support Systems                       | Knowledge Management         |
| Ambient Intelligence          | Evolutionary Algorithms                        | Knowledge Processing         |
| Application to Design         | Expert Systems                                 | Machine Learning             |
| Applications to Manufacturing | Financial Applications                         | Meta-heuristics              |
| Autonomous Agents             | Genetic Programming                            | Medical Diagnosis Systems    |
| Bio-informatics               | Heuristic Search                               | Model-based Reasoning        |
| Big Data                      | Human Robot Interaction                        | Multi-Agent Systems          |
| Case-based Reasoning          | Industry-4 Cyber systems                       | Natural Language Processing  |
| Chance Discovery              | Integration Systems for Real Life Applications | Neural Networks              |
| Cloud Computing               | Intelligent Interfaces and HCI                 | Planning and Scheduling      |
| Cognitive Modeling            | Intelligent Systems                            | Reasoning under Uncertainty  |
| Computer Vision               | Intelligent Systems in Education               | Social Networks Applications |
| Constraint Satisfaction       | Internet Applications                          | Soft Computing               |
| Conversational Informatics    | Interaction Planning and Scheduling            | Spatial Reasoning            |
| Cyber physical Systems        | Knowledge-Based Systems                        | Speech Recognition           |
| Data Mining                   |  | Temporal Reasoning           |

### IMPORTANT DATES

Paper submission due  
Jan 6, 2016

Notification of acceptance  
Mar 15, 2016

Final camera ready form  
Apr 15, 2016

Conference date  
Aug 2-4, 2016

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International Society of Applied Intelligence (ISAI)

