



The 27<sup>th</sup> International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems  
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June 3-6, 2014 Kaohsiung, Taiwan

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**Sponsored by:** International Society of Applied Intelligence (ISAI), IEEE Signal Processing Society Tainan Chapter; Taiwanese Association for Artificial Intelligence (TAAI); Taiwanese Association for Consumer Electronics (TACE); Taiwanese Association for Web Intelligence Consortium (WIC);

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**Scope:**

IEA/AIE 2014 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-2014 will include oral presentations, invited speakers, special sessions, and a doctoral consortium. Authors are invited to submit their papers in English of up to 10 single spaced pages, **including all context, figures, tables and references**, 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 <http://bit.kuas.edu.tw/~ieaaie14>. 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/Incs/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 as follows: International Journal of Applied Intelligence (IJAI), Journal of Information Hiding and Media Signal Processing (JIHMSP)

Topics of interest include, but are not limited to:

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

**Important Dates**

- The deadline for paper submission: Nov. 30, 2013
- The date for notification: Feb. 17, 2014
- The date for camera-ready paper submission: Mar. 3, 2014