



ISIAC 2008

Call for Papers

7th International Symposium on Intelligent Automation and Control

<http://wacong.org>
September 28 – October 2, 2008

ALOHA FROM BIG ISLAND OF HAWAII



The 2008 World Automation Congress **International Symposium on Intelligent Automation and Control** will bring together researchers from multiple disciplines to advance the use of artificial intelligence in the control and/or development of automated systems. Technical topics of the symposium include but are not limited to:

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|----------------------------|--------------------------|---------------------------|--------------------------|
| Actuator Technology | Distributed Systems | Intelligent Control | Qualitative Reasoning |
| Adaptive Systems | Energy Systems | Intelligent Manufacturing | Real-Time Games |
| Aerospace Systems | Evolutionary Computation | Intelligent Systems | Reinforcement Learning |
| Artificial Intelligence | Evolutionary Robotics | Knowledge-Based Systems | Risk Management |
| Automation Applications | Evolvable Hardware | Learning Systems | Robotics |
| Autonomous Agent Control | Expert Systems | Machine Intelligence | Robot Learning |
| Autonomous Robots | Fault Detection | Machine Learning | Robust Control |
| Autonomous Systems | Flexible Manufacturing | Mechatronics | Search Techniques |
| Automatic Code Generation | Food Processing | Medical Applications | Self-Tuning Control |
| Behavior-Based Control | Food Packaging | Micro-Sensors/Actuators | Sensor Fusion |
| Biomedical Engineering | Fuzzy Control | Multi-Agent Systems | Sensor Technology |
| Command / Control Systems | Fuzzy Systems | Neural Networks | Signal Processing |
| Computational Intelligence | Game Player Control | Neuro Control | Soft Computing |
| Computer Vision | Hardware Control | Nonlinear Systems | Stability Issues |
| Control Systems | Instrumentation | Optimization | Statistical Methods |
| Cybernetics | Health Care Technology | Pattern Analysis | Stochastic Systems |
| Decision Support Systems | Hierarchical Systems | Petri Nets | Supervisory Control |
| Decision Systems | Image Processing | Probabilistic Reasoning | Transportation Systems |
| Discrete Event Systems | Industrial Processes | Process Control | Video Game Agent Control |

Special Sessions & regular papers due: 31 January 2008. For submission details, see the World Automation Congress (WAC 2008) website at <http://wacong.org>.

For further information concerning ISIAC 2008, contact the chair/co-chairs: **Gary Parker** (parker@conncoll.edu), **Wei-Song Lin** (weisong@cc.ee.ntu.edu.tw), **Kei Senda** (senda.k@t.kanazawa-u.ac.jp), and **Mo Jamshidi** (System of Systems Sub-Track) (moj@wacong.org).

