



ISIAC 2010

Kobe, Japan

19 – 23 September 2010

Call for Papers 8th International Symposium on Intelligent Automation and Control

The 2010 **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 Systems | Risk Management |
| Adaptive Systems | Energy Systems | Knowledge-Based Systems | Robotics |
| Aerospace Systems | Evolutionary Computation | Learning Systems | Robot Learning |
| Artificial Intelligence | Evolutionary Robotics | Machine Intelligence | Robust Control |
| Automation Applications | Evolvable Hardware | Machine Learning | Search Techniques |
| Autonomous Agent Control | Expert Systems | Mechatronics | Self-Tuning Control |
| Autonomous Robots | Fault Detection | Medical Applications | Sensor Fusion |
| Autonomous Systems | Flexible Manufacturing | Micro-Sensors/Actuators | Sensor Technology |
| Automatic Code Generation | Fuzzy Control | Multi-Agent Systems | Signal Processing |
| Behavior-Based Control | Fuzzy Systems | Network Control | Soft Computing |
| Biomedical Engineering | Game Player Control | Neural Networks | Space Systems Control |
| Clinical Laboratory
Automation | Genetic Algorithms | Neuro Control | Stability Issues |
| Command / Control Systems | Hardware Control | Nonlinear Systems | Statistical Methods |
| Computational Intelligence | Health Care Technology | Optimization | Stochastic Systems |
| Computer Vision | Hierarchical Systems | Pattern Analysis | Supervisory Control |
| Complex Systems | High Integrity Systems | Petri Nets | System of Systems |
| Control Systems | Image Processing | Probabilistic Reasoning | System Safety |
| Cybernetics | Industrial Processes | Process Control | System Security |
| Decision Support Systems | Instrumentation | Qualitative Reasoning | System Sustainability |
| Decision Systems | Intelligent Control | Real-Time Games | Systems Assurance |
| Discrete Event Systems | Intelligent Manufacturing | Reinforcement Learning | Transportation Systems |
| | | | Video Game Agent Control |

Special Sessions & Regular Papers Due: 28 February 2010.



For paper submission details, see the
WAC 2010 website at <http://wacong.org>

See the special sessions website at
http://cs.conncoll.edu/Parker/CFP/ISIAC2010_SS.html



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