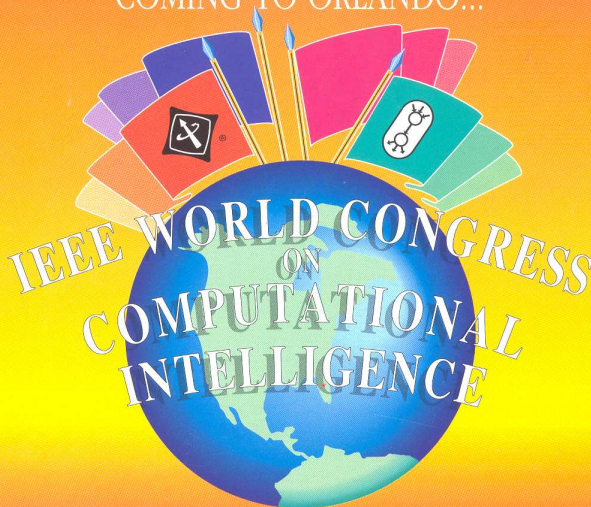


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IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS

Piero P. Bonissone, General Chair

[bonissone at crd.ge.ge.com](mailto:bonissone@crd.ge.ge.com)

Topics:

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Zbigniew Michalewicz, General Chair

[zbyszek at mosaic.uncc.edu](mailto:zbyszek@mosaic.uncc.edu)

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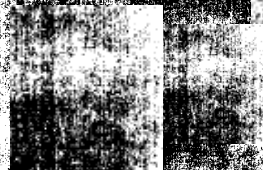
Theory of evolutionary computation, evolutionary computation applications, efficiency and robustness comparisons with other direct search algorithms, parallel computer applications, new ideas incorporating further evolutionary principles, artificial life, evolutionary algorithms for computational intelligence, comparisons between different variants of evolutionary algorithms, machine learning applications, evolutionary computation for neural networks, and fuzzy logic in evolutionary algorithms.

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- Filtering
- Fuzzy Neural Systems
- Hybrid Systems
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- Implementations (electronic, optical, biochips)
- Intelligent Control
- Learning and Memory
- Machine Vision
- Motion Analysis
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- Design, Analysis, and Synthesis of Fuzzy-Logic Controllers
- Learning and Acquisition of Approximate Models
- Relations between Fuzzy Logic and Neural Networks
- Integration of Fuzzy Logic and Neural Networks
- Integration of Fuzzy Logic And Evolutionary Computing
- Applications to:
 - System Control
 - Intelligent Information Systems
 - Case-Based Reasoning
 - Decision Analysis
 - Modeling
 - Databases and Information Retrieval
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 - Image Understanding
 - Pattern Recognition
 - Robotics and Automation
 - Intelligent Vehicle and Highway Systems
 - Virtual Reality

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- Efficiency/robustness comparisons with other direct search algorithms
- Parallel computer applications
- New ideas incorporating further evolutionary principles (multi-cellularity, various data structures, subpopulations, etc.)
- Artificial life
- Evolutionary algorithms for computational intelligence (optimal neural networks, optimal fuzzy controllers, etc.)
- Comparisons between different variants of evolutionary algorithms
- Machine learning applications
- Evolutionary computation for neural networks
- Fuzzy logic in evolutionary algorithms

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