The TNN pages are increased to 1608.

Cumulative submissions as of January 1 is about 2500 manuscripts.

The Science Citation Index “impact factor” ranking for 1994 for the IEEE TNN are very favorable.

Here are the rankings in several categories.

The IEEE Transactions on Fuzzy Systems was too young to be included in this list.
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IEEE WORLD CONGRESS ON COMPUTATIONAL INTELLIGENCE

* IEEE International Conference on Neural Networks *
* IEEE International Conference on Fuzzy Systems *
* IEEE International Symposium on Evolutionary Computation *

June 26 - July 2, 1994
Walt Disney World Dolphin Hotel, Lake Buena Vista, Orlando, Florida

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IEEE INTERNATIONAL CONFERENCE ON NEURAL NETWORKS
Steven K. Rogers, General Chair
rogers at afit.af.mil

Topics:
Applications, architectures, artificially intelligent neural networks, artificial life, associative memory, computational intelligence, cognitive science, embedology, filtering, fuzzy neural systems, hybrid systems, image processing, implementations, intelligent control, learning and memory, machine vision, motion analysis, neurobiology, neurocognition, neurodynamics, optimization, pattern recognition, prediction, robotics, sensation and perception, sensorimotor systems, speech, hearing and language, system identification, supervised and unsupervised learning, tactile sensors, and time series analysis.

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IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS
Piero P. Bonissone, General Chair
bonissone at crd.ge.ge.com

Topics:
Basic principles and foundations of fuzzy logic, relations between fuzzy logic and other approximate reasoning methods, qualitative and approximate-reasoning modeling, hardware implementations of fuzzy-logic algorithms, 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, and applications.

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IEEE CONFERENCE ON EVOLUTIONARY COMPUTATION
Zbigniew Michalewicz, General Chair
zbyszek at mosaic.uncc.edu

Topics:
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.
Figure 56: 1994 ICNN CFP at WCCI. Disney is noted for the protection of its intellectual property. Nevertheless, note the resemblance of the neural network logo to a famous mouse.
Third IEEE International Conference on Fuzzy Systems
June 26 - 29, 1994 Orlando, Florida
in part of the
IEEE World Congress on Computational Intelligence (June 26 - July 2, 1994)

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Deadline for paper submission: December 10, 1993

The Third IEEE International Conference on Fuzzy Systems (FUZZ-IEEE '94) will be dedicated to
the discussion of advances in:

- Basic Principles and Foundations of Fuzzy Logic
- Relations between Fuzzy Logic and other Approximate Reasoning Methods
- Qualitative and Approximate-Reasoning Modeling
- Hardware Implementations of Fuzzy-Logic Algorithms
- 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
  - Signal Processing
  - Image Understanding
  - Pattern Recognition
  - Robotics and Automation
  - Intelligent Vehicle and Highway Systems
  - Virtual Reality

This Conference will be a part of the 1994 IEEE World Congress on Computational Intelligence (WCCI-94).
Two other conferences concerned with Neural Networks and Evolutionary Computing will complete
the WCCI-94 program.

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IEEE CIS History 1986-1996

Figure 58: 1994 ICEC CFP at WCCI. This is the first ICEC.

John Yen, Reza Langari, and Lotfi A. Zadeh, Industrial Applications of Fuzzy Logic and Intelligent Systems.

Madan M. Gupta and Naresh K. Sinha, Intelligent Control Systems: Theory and Applications. (See Figure 62.)


▶

IEEE Conference on Evolutionary Computation
June 29 - July 1, 1994 Orlando, Florida
as part of the IEEE World Congress on Computational Intelligence
(June 26 - July 2, 1994)

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General Chair:
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Topics of the Conference include:
• Theory of evolutionary computation
• Applications of evolutionary computation
• Efficiency/robustness comparisons with other direct search algorithms
• Parallel computer applications
• New ideas incorporating further evolutionary principles
  (multi-utility, various data structures, subpopulations, etc.)
• Artificial life
• Evolutionary algorithms for computational intelligence
  (neural networks, neural 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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