

The CIS History Committee for 2011

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History of the Neural Networks Council: 1995

1. Introduction

1995 saw the inauguration of a new conference for the NNC: the 1st Computational Intelligence in Financial Engineering (Cifer) conference, jointly sponsored by the International Association of Financial Engineers (IAFE) and the NNC. Other conferences this year included the 2nd Virtual Reality Annual International Symposium (VRAIS); the 4th FUZZ-IEEE, which was held jointly with the 2nd International Fuzzy Engineering Systems (IFES) conference in Japan; and finally, the ICNN and ICEC NNC conferences, which were held jointly this year in Perth, Western Australia.

The NNC Adcom met twice in 1995: on March 12 at the VRAIS conference in North Carolina; and in Washington D. C. on June 22. The most significant motion passed at the latter Adcom meeting was a resolution to pursue transformation of the NNC, a council comprising representation from the societies listed in section 2A, to a full-fledged IEEE society. The motion adopted the "Computational Intelligence Society" as a working title for the proposed society, but political expedience intervened in subsequent years, necessitating conversion of the NNC to the IEEE Neural Network Society (NNS) first. In other news, the NNC launched its 1st website (page) in 1995. The NNC newsletter CoNNections was not published in 1995.

2. Administrative structure of the NNC

2A. Sponsor organizations. The IEEE NNC Adcom was composed of its officers plus two members from each of 15 IEEE societies (date indicates year of joining council):

Circuits and Systems	(1989)
Communications	(1989)
Computer Society	(1992)
Control Systems	(1989)
Engineering in Medicine and Biology	(1989)
Industrial Electronics	(1989)
Industry Applications	(1990)
Information Theory	(1989)
Laser and Electro-Optics	(1989)
Ocean Engineering	(1990)
Power Engineering Society	(1992)
Robotics and Automation	(1989)
Signal Processing	(1989)
Systems, Man and Cybernetics	(1989)

2B. Administrative Structure : Officers of NNC

Walter Karplus, President
 Patrick Simpson, Past President
 Clifford Lau, Executive VP
 James C. Bezdek, VP for Conferences
 Piero Bonissone, VP for Finance
 Stamatiou Kartolopoulos, VP for Publications
 Secretary. Wesley Snyder

2C. Standing Committees of the NNC

<i>Committee or Activity</i>	<i>Chair, Liason or Leader</i>
Awards Committee	Mohammed H. Hassoun
Distinguished Lecturer Program	Russell C. Eberhart
Educational Activities Committee	Karen Haines
Fellows Committee	Edgar Sanchez-Sinencio
Nominations and Appointments Committee	Patrick Simpson
Regional Interest Groups Committee	Mo-Yuen Chow
Standards Committee	Mary Lou Padgett
Video Tutorials Committee	Mohamed A. El-Sharkawi

2D. Technical Committees of the NNC

<i>Committee</i>	<i>Chair, Liason or Leader</i>
Computational Finance	Scott Mathews
Evolutionary Computation	David B. Fogel
Fuzzy Systems	Hamid R. Berenji
Neural Networks	Jacek M. Zurada
Virtual Reality Technology Committee	Thomas P. Caudell

3. Conferences sponsored or co-sponsored by the IEEE NNC

Name(s)	VRAIS
Dates	March 11-15
Venue	Research Triangle Park, North Carolina
Administrators	David Mizell, General Chair Steve Bryson and Steve Feiner, technical co-chairs Robert J. Marks, organizing chair
Conference record	<i>Proc. of the 1995 VRAIS conference</i>
Name	4th FUZZ-IEEE/ 2nd IFES 1995
Dates	March 20-24
Venue	Yokohama, Japan
Administrators	Michio Sugeno, General Chair Kaoru Hirota and Toshio Fukuda, program co-chairs Toshiro Terano, organizing chair
Conference record	Proc. of the 1995 FUZZ-IEEE

Name	IEEE/IAFE CIFer (CI for Financial Engineering)
Dates	April 9-11
Venue	New York City, NY
Administrators	John Marshall and Tomoso Poggio, General co-chairs Andrew Lo and Robert J. Marks, Technical co-chairs A. N. Refenese and Toshio Fukuda, Int'l. co-chairs Scott Mathews, organizing Chair
Conference record	<i>Proc. of the 1995 IEEE/IAFE CIFer</i> , IEEE Press, Piscataway, NJ
Name	ICNN and ICEC
Dates	Nov. 27-Dec. 1
Venue	Perth, Western Australia
Administrators	Yianni Attikiouzel, general chair for ICNN and ICEC M. Palaniswami, Toshio Fukuda and Robert J. Marks, technical co-chairs for ICNN David Fogel, technical chair for ICEC International Liasons: James C. Bezdek, Shun-Ichi Amari and Peter Noakes
Conference records	1. Proc. of the 1995 ICNN, IEEE Press, Piscataway, NJ. 2. Proc. of the 1995 ICEC, IEEE Press, Piscataway, NJ. 3. Computational Intelligence: A Dynamic System perspective, eds. M. Palaniswami, Yianni Attikiouzel, Robert J. Marks, David Fogel and Toshio Fukuda.

4. Archival NNC Publications

The <i>IEEE Transactions on Neural Networks</i> (TNN) :	Robert J. Marks, EIC
The <i>IEEE Transactions on Fuzzy Systems</i> (TFS):	James C. Bezdek, EIC
Newsletter/Home Page Editor	Payman Arabshahi

5. NNC Sponsored books.

5A. Understanding Neural Networks and Fuzzy Logic: Basic Concepts and Applications. Stamatiou Kartolopoulos.

5B. Intelligent Control Systems: Theory and Applications. M. M. Gupta and N. K. Sinha.

5C. Industrial Applications of Fuzzy Logic and Intelligent Systems. John Yen, Reza Langari and Lotfi Zadeh.

5D. Computational Intelligence: A Dynamic System perspective, eds. M. Palaniswami, Yianni Attikiouzel, Robert J. Marks, David Fogel and Toshio Fukuda.

6. Awards and Prizes

6A. NNC Neural Network Pioneer Awards

Michael Arbib
Nils J. Nilsson
Paul Werbos

6B. TNN Outstanding paper award: None

6C. NNC Sponsored IEEE Fellows: Unknown

7. Significant Related Events

7A. Lotfi Zadeh received the IEEE Medal of Honor, the IEEE's highest award. Reference [95.1] by T. S. Perry gives a short biography and the specifics of the award.

8. Anecdotes for 1995 : none

9. Glossary, Notation and Acronyms for 1995

CI	Computational Intelligence
CIFEr	Computational Intelligence in Financial Engineering
CIS	Computational Intelligence Society (of the IEEE)
DARPA	Defense Advanced Research Projects Agency
DLP	Distinguished Lecturer Program
EC	Evolutionary Computation
EIC	Editor in Chief
FLSI	Fuzzy Logic Systems Institute
FUZZ-IEEE	International IEEE Conference on Fuzzy Systems
IAFE	International Association of Financial Engineers
ICNN	International Conference on Neural Networks
IJCNN	International Joint Conference on Neural Networks
IFES	International Fuzzy Engineering Symposium
NN	Neural Network
NNC	Neural Networks Council (of the IEEE)
NNCom	Neural Network Committee (of the IEEE)
NNS	Neural Networks Society (of the IEEE)
TAB	Technical Activities Board (of the IEEE)
TFS	(IEEE) Transactions on Fuzzy Systems
TNN	(IEEE) Transactions on Neural Networks
VP	Vice President
VRAIS	Virtual Reality Annual International Symposium
WCCI	World Congress on Computational Intelligence

10. References for 1995.

[95.1] T.S. Perry, "Lotfi A. Zadeh," *IEEE Spectrum*, 32(6), 32-35.