

The CIS History Committee for 2012

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Data Sheets (Raw Statistics and Facts about the Society)

2010	2011	2012
Approved by AdCom December, 2010	Approved by AdCom December, 2011	Under construction (for 6 years!)
1977-86		
1987	1992	1997
1988	1993	1998
1989	1994	1999
1990	1995	2000
1991	1996	2001

History of the Neural Networks Council : 1996

1. Introduction

The NNC AdCom met in Washington D. C. on June 2. At this meeting a proposal to establish a third major NNC transactions – viz., the *IEEE Transactions on Evolutionary Computation* ~ was presented by David Fogel, and approved by the AdCom. Three new awards were approved: the Fuzzy and Evolutionary Computation Pioneer awards, and the IEEE TFS best paper award. The number of regional interest groups grew to ten in 1996.

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)
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
 Antti Koivo, VP for Conferences
 Piero Bonissone, VP for Finance
 Stamatiou Kartolopoulos, VP for Publications
 Secretary. Karen Haines

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	Antti Koivo
Nominations and Appointments Committee	Patrick Simpson
Regional Interest Groups Committee	Mo-Yuen Chow
Standards Committee	Enrique Ruspini
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	IEEE/IAFE CIFer (CI for Financial Engineering)
Dates	March 24-26
Venue	New York City, NY
Administrators	John Marshall and Robert J. Marks, General co-chairs Robert Golan, organizing Chair
Conference record	
Name(s)	VRAIS
Dates	March 30-April 3
Venue	Santa Clara, CA
Administrators	Steve Bryson, General Chair and Steve Feiner, technical co-chairs Robert J. Marks, organizing chair
Conference record	<i>Proc. of the 1996 VRAIS</i>
Name	ICEC

Dates	
Venue	
Administrators	
Conference records	
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Name	ICNN (IJCNN)
Dates	June 2-6
Venue	Houston, TX
Administrators	Benjamin Wah, general chair Bing Sheu, program chairs
Conference records	Proc. of the 1996 ICNN, eds. Shun-Ichi Amari and Maureen Candill IEEE Press, Piscataway, NJ.
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Name	5th FUZZ-IEEE
Dates	September 8-11
Venue	New Orleans, LA
Administrators	Fred Petry, General Chair Don Kraft, program chair
Conference record	Proc. of the 1996 IEEE FUZZ-IEEE, IEEE Press, Piscataway, NJ.

4. Archival NNC Publications

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

5. NNC Sponsored books : None

6. Awards and Prizes

6A. NNC Neural Network Pioneer Award : None

6B. TNN Outstanding paper awards:

G.V. Puskorius and L. A. Feldkamp [96.1]
Jianchang Mao and Anil K. Jain [96.2]

6C. NNC Sponsored IEEE Fellows: unknown

7. Significant Related Events : The IEEE NNC and the INNS formally re-established their conference link in 1997. Informal discussions concerning this possibility began in 1994 between Jim Bezdek, VP for conferences for the IEEE NNC and Walter Freeman, who was the president of the INNS in 1994. Walter Freeman provided the anecdote below.

8. Anecdotes for 1996

Disclaimer. This section contains anecdotal material. Each contribution represents the author's opinions and recollections. The IEEE or the IEEE CIS does not endorse these contributions, nor does either organization certify their factual authenticity.

----- **Begin Walter Freeman Anecdote** -----

When I became President of INNS in January 1994, I had several goals for changes, chief among them to re-institute the joint conferences and resolve the conflicts between our two societies. The most I could do in then circumstances

was to help you to lay the foundation for rapprochement, which took place 2 or 3 years later. It is clear to me that both societies have profited from the cooperation between them.

Discussions continued through 1995, and the *memorandum of understanding* (MOU) for implementation of an annual *international joint conference on neural networks* (IJCNN) was drafted in 1996 by a joint committee of the IEEE NNC and the INNS. The committees from the two groups were:

MOU Committee for the NNC	MOU Committee for the INNS
Jim Bezdek (Chair) Univ. of West Florida	Judith Dayhoff University of Maryland
Walter J. Karplus UCLA Computer Science Dept.	Daniel S. Levine University of Texas at Arlington
Antti J. Koivo Purdue University	George G. Lendaris (Chair) Portland State Univeristy
Clifford G. Lau Office of Naval Research	Bernard Widrow Stanford University
Jacek Zurada University Of Louisville	Lotfi A. Zadeh University of California

9. Glossary, Notation and Acronyms for 1996

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 1996.

[96.1] G.V. Puskorius and L. A. Feldkamp (1994). Neurocontrol of Nonlinear Dynamical Systems with

Kalman Filter Trained Recurrent Networks," *IEEE TNN*, 5 (2),279-297.

[96.2] Jianchang Mao and Anil K. Jain, Artificial Neural Networks for Feature Extraction and Multivariate Data Projection, *IEEE TNN*, 6(2), 296-317.