

# Guest Editorial

## The IEEE Neural Networks Council



AS President of the IEEE Neural Networks Council (NNC), I take this opportunity to report to you on the activities of the Council. The NNC is dedicated to nurturing the field of neural networks in the highly professional manner and with the high technical standards characteristic of the IEEE.

### TRANSACTIONS

A fundamental responsibility of the NNC is the publication of this TRANSACTIONS. We are genuinely proud of the quality of the IEEE TRANSACTIONS ON NEURAL NETWORKS under the leadership of its Editor, Dr. Herbert E. Rauch. Bringing an IEEE TRANSACTIONS into being is a major accomplishment. Doing so with quality is an extraordinary achievement. The response to the TRANSACTIONS has been phenomenal. With a publishing run of over 8000 subscribers per issue, the TRANSACTIONS you now hold in your hands is, in terms of circulation, the premier archival publication on neural networks.

You may have noticed, however, that this September 1990 issue is much thinner than the first two issues of the TRANSACTIONS. The reason is that the TRANSACTIONS reached its projected annual page limitation much earlier than anticipated. In response, beginning in January 1991, the TRANSACTIONS will have a 50% increase in pages compared to 1990 and will be published every other month (six issues per year). The cost of the subscription in 1991 stays the same: \$10 for IEEE members who belong to one of the twelve Societies of the IEEE Neural Networks Council, \$15 for the IEEE members who belong to other IEEE Societies, and \$75 for those who do not belong to IEEE. I urge you to renew your subscription for 1991.

### Conferences

The NNC is currently cosponsoring the largest conference in the world on artificial neural networks, the *Inter-*

*national Joint Conference on Neural Networks (IJCNN)*. The IJCNN is cosponsored by the *International Neural Network Society*. The current plans are to hold two IJCNN's each year: one in North America and one outside. The North American IJCNN's are planned for July 8-12, 1991, in Seattle, Washington, and for the summer of 1992, in Baltimore, Maryland. An IJCNN will also be held November 18-22, 1991, in Singapore. Details of these conferences will be announced in the TRANSACTIONS.

### Membership

IEEE Councils, like the NNC, do not have individuals as members. Rather, Councils are comprised of member IEEE Societies who assist in running the affairs of the Council. Thus, if you are a member of one of these Societies, you are, in effect, a member of the Council. The twelve IEEE Societies that currently belong to the NNC are:

- Circuits and Systems
- Communications
- Control Systems
- Engineering in Medicine and Biology
- Industry Applications
- Information Theory
- Industrial Electronics
- Lasers and Electro-Optics
- Oceanic Engineering
- Robotics and Automation
- Signal Processing
- Systems, Man, and Cybernetics

The individual representatives from these twelve Societies are listed on the inside back cover. The ten founding Societies (those listed above, with the exception of the Oceanic Engineering and Industry Applications Societies) took a visionary risk when they agreed to form the IEEE Neural Networks Committee in 1987. This Neural Networks Committee, upgraded to a Council this year, is appreciative of the efforts and contributions of the NNC parent Societies.

The science and technology of neural networks has matured significantly in the past few years, yet remains the most exciting field in the computational sciences. We are delighted that, through subscription to this TRANSACTIONS, you are a part of this excitement.

ROBERT J. MARKS, II  
*President,*  
*IEEE Neural Networks Council*