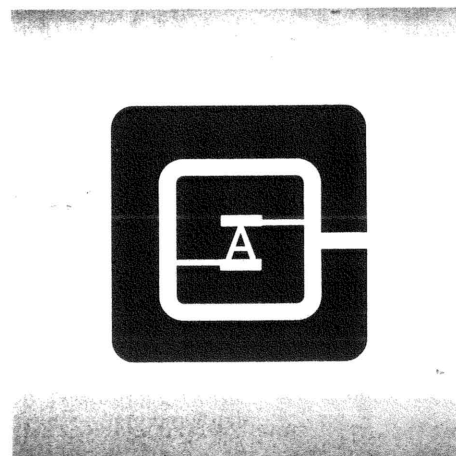


**IEEE** **CIRCUITS AND SYSTEMS** **NEW SOCIETY LETTER**

Volume 5, Number 1, March 1994



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# IEEE CAS FELLOW PROFILES 1994

## Robert J. Marks

*For leadership in, and contributions to, the field of neural networks.*

Robert J. Marks II is a professor in the Department of Electrical Engineering at the University of Washington, Seattle. In 1982 he was presented the Outstanding Branch Counselor award by IEEE and in 1984, the IEEE Centennial Medal.

Dr. Marks served as the first president of the IEEE Neural Networks Council and was the co-founder and first president of the Puget Sound Section of the Optical Society of America. He is also co-founder and current president of Multidimensional Systems Corporation in Lynnwood, Washington and a founder of Financial Neural Networks, Inc. in Kirkland, Washington.

Since 1992, Dr. Marks has served as the editor-in-chief of the *IEEE Transactions on Neural Networks* and currently serves as an associate editor of the *IEEE Transactions on Fuzzy Systems*. He serves on the editorial board of the *Journal on Intelligent Control, Neurocomputing and Fuzzy Logic*.

Dr. Marks served as international chair of

the 1992 RNNS/IEEE Symposium on Neuroinformatics and Neurocomputing (Rostov-on-Don, USSR) and organizational chair for both the 1993 IEEE Virtual Reality Annual International Symposium (VRAIS) in Seattle and the 1992 IEEE-SP International Symposium on Time-Frequency and Time-Scale Analysis (Victoria, BC).

He was elected to the Board of Governors of the IEEE Circuits and Systems Society in 1993 and he is the general chair of the 1995 International Symposium on Circuits and Systems in Seattle.

Dr. Marks is the author of the book *Introduction to Shannon Sampling and Interpolation Theory* (Springer Verlag, 1991) and editor of the companion volume *Advanced Topics in Shannon Sampling and Interpolation Theory* (Springer Verlag, 1993).

He is a co-founder of the Christian Faculty Fellowship at the University of Washington and serves as the faculty advisor to the University's chapter of Campus Crusade for Christ.



Robert J.  
Marks

## H. Joel Trussell

*For contributions to the theory of multidimensional signal restoration and reproduction.*

H. Joel Trussell received his B.S. degree from Georgia Tech in 1967, M.S. degree from Florida State in 1968 and Ph.D. degree from the University of New Mexico in 1976. He joined the Los Alamos Scientific Laboratory, Los Alamos, New Mexico in 1969 and began working in image and signal processing in 1971.

Dr. Trussell was a visiting professor at Heriot-Watt University, Edinburgh, Scotland during 1978-79, and in 1980 joined the Electrical and Computer Engineering Department at North Carolina State University, Raleigh. During 1988-1989, he was a visiting scientist at the Eastman Kodak Company in Rochester, New York.

He is a past associate editor for the *Transactions on ASSP* and currently an associate

editor for the *Signal Processing Letters*. He is a member and past chairman of the Image and Multidimensional Digital Signal Processing Committee of the Signal Processing Society of the IEEE and edits the electronic newsletter published by this committee.

He has won the IEEE-ASSP Society Senior Paper Award (1986 with M.R. Civanlar) and the IEEE-SP Society Paper Award (1993 with P.L. Combettes). He is a member of Sigma Xi, Tau Beta Pi, Phi Kappa Phi, the Signal Processing Society, the Optical Society of America, and the Intersociety Color Council. His current interests include signal restoration/reconstruction, color measurement and reproduction, and mathematical methods.



H. Joel  
Trussell