

Professor M.N.S. Swamy

Electrical and Computer Engineering

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M.N.S. Swamy received the B.Sc. (Hons.) degree in Mathematics from Mysore University, India, in 1954, the Diploma in Electrical Communication Engineering from the Indian Institute of Science, Bangalore in 1957, and the M.Sc. and Ph. D. degrees in Electrical Engineering from the University of Saskatchewan, Saskatoon, Canada, in 1960 and 1963 respectively.

He is presently a Research Professor and the Director of the Center for Signal Processing and Communications in the Department of Electrical and Computer Engineering at Concordia University, Montreal, Canada, where he served as the Chair of the Department of Electrical Engineering from 1970 to 1977, and Dean of Engineering and Computer Science from 1977 to 1993. Since July 2001, he holds the Concordia Chair (Tier I) in Signal Processing. He has also taught in the Electrical Engineering Department of the Technical University of Nova Scotia, Halifax, and the University of Calgary, Calgary, as well as in the Department of Mathematics at the University of Saskatchewan. He has published extensively in the areas of number theory, circuits, systems and signal processing, and holds four patents. He is the co-author of two book chapters and three books: *Graphs, Networks and Algorithms* (New York, Wiley, 1981), *Graphs: Theory and Algorithms* (New York, Wiley, 1992), and *Switched Capacitor Filters: Theory, Analysis and Design* (Prentice Hall International UK Ltd., 1995). He is the Editor-in-Chief of the journal *Circuits, Systems and Signal Processing*, for which he was an associate editor since its inception, and an Associate Editor of the *Fibonacci Quarterly*. He is a member and the Concordia University coordinator for Micronet, a National Network of Centers of Excellence in Canada.

Dr. Swamy is a Fellow of a number of professional societies including the Institute of Electrical and Electronic Engineers, the Institute of Electrical Engineers (UK), the Engineering Institute of Canada, the Institution of Engineers (India), and the Institution of Electronic and Telecommunication Engineers (India). He is also a member of the Eta Kappa Nu, an Honor Society of Electrical Engineers. He has served the IEEE in various capacities such as the Vice President of the IEEE CAS society in 1976, Program Chair for the 1973 IEEE CAS Symposium, General Chair for the 1984 IEEE CAS Symposium, and the Vice-Chair for the 1999 IEEE CAS Symposium and a member of the Board of Governors. He was an Associate Editor of the *Transactions on Circuits and Systems* during 1985-87. He is a co-recipient of the IEEE CAS 1986 Guillemin-Cauer Best Paper Award. He is the recipient of many awards including the

Commemorative Medal for the 125th Anniversary of the Confederation of Canada issued in 1993 by the Governor General of Canada, in recognition of his significant contributions made to Canada and the community. In 1989, in honor of his many contributions, his past graduate students instituted at the Indian Institute of Science two awards in his name – M.N.S. Swamy Merit Scholarship, and M.N.S. Swamy Gold Medal. In 1987, he was awarded the Concordia University Guinea Pig award for the introduction of the innovative joint doctoral program between Concordia and the Southeast University in China. In 1993, Concordia University inaugurated the M.N.S. Swamy Computer Integrated Manufacturing laboratory “in appreciation of his sixteen years of support, dedication and leadership as Dean of the Faculty of Engineering and Computer Science”. He is a co-recipient of the IEEE CAS 1986 Guillemin-Cauer Best Paper Award. In 2001, he received the IEEE-CAS Society Golden Jubilee Medal, as well as the year 2000 IEEE-CAS Society Education Award. In August 2001 he was awarded Doctor of Science in Engineering (Honoris Causa) by Ansted University “in recognition of his exemplary contributions to the research in Electrical and Computer Engineering and to Engineering Education, as well as his dedication to the promotion of Signal Processing and Communications Applications”.