

Contributors



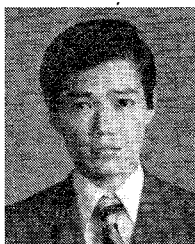
James Lamar Allen (S'57-M'62-SM'76-F'77) was born in Graceville, FL, on September 25, 1936. He received the B.E.E., M.S.E.E., and Ph.D. degrees in electrical engineering, all from the Georgia Institute of Technology, Atlanta, in 1959, 1961, and 1966, respectively.

Since 1959 he has worked in a number of microwave areas, including radar antennas, ferrimagnetic materials and devices, filter design and synthesis, time-domain electromagnetics, amplifier and oscillator design, and electromagnetic shielding. His employment history includes positions with the Georgia Institute of Technology, Sperry Microwave Electronics (Clearwater, FL), and Colorado State University. Since September 1972 he has been with the University of South Florida, Tampa, where he is currently Professor of Electrical and Electronic Systems. His current research areas include coupled-line devices, time-domain electromagnetics, and nonlinear electromagnetics.

Dr. Allen is a member of Tau Beta Pi, Sigma Xi, and ISHM. He is a member of the MTT-S Administrative Committee and is currently serving as Editor of this TRANSACTIONS.

Council of Canada, Ottawa, Canada. His main research interest is currently in microwave acoustics.

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Kunitaka Kawai was born in Kyoto, Japan, on April 15, 1954. He received the B.S. and M.S. degrees in electrical engineering from Doshisha University, Kyoto, Japan, in 1977 and 1979, respectively.

He is now with Doshisha International High School.

Mr. Kawai is a member of the Institute of Electronics and Communication Engineers (IECE) of Japan, and the Optical Society of America (OSA).

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Bahman Azarbar (S'72-M'78) was born in Tehran, Iran, on February 6, 1948. He received the B.Sc. degree from Tehran University, Tehran, Iran, in 1970, and M.Sc. and Ph.D. degrees from the University of Manitoba, Winnipeg, Man., Canada, in 1975 and 1978, respectively.

As an NRC Industrial Post-Doctoral Fellow, he joined Telesat Canada, Ottawa, Ont., in September 1978, where he is currently with the Research Studies Section of the Systems Engineering Department, active in various fields of satellite communication engineering. His primary research interests are in the areas of microwaves, antenna engineering, and wave propagation.



Ronald J. MacGregor received the B.S., M.S., and Ph.D. degrees from Purdue University, Lafayette, IN, in the engineering sciences.

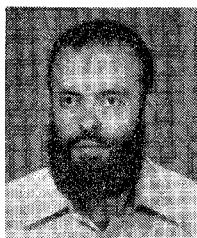
He was Research Engineer at the Rand Corporation for six years, after which he became Associate Professor of chemical engineering at the University of Colorado, Boulder. His major efforts are in models of electrical activity of the brain. He is coauthor with E. R. Lewis of the book, *Neural Modeling*, published by Plenum Press, New York. Many of his papers on neural

modeling have appeared in *Biological Cybernetics*, *Brain Research*, and the *Journal of Theoretical Biology*.

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Donald M. Bolle (S'56-M'57-SM'66), for a photograph and biography please see page 622 of the June 1979 issue of this TRANSACTIONS.

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Ali M. Hussein (S'75) was born in Cairo, Egypt, in May 1944. He received the B.Sc. degree from Alexandria University, Alexandria, Egypt, the M.Sc. degree from Ain-Shams University, Cairo, Egypt, and the Ph.D. degree from the University of Toronto, Toronto, Canada, in 1967, 1972, and 1979, respectively, all in electrical engineering.

From 1967 to 1974, he was a Teaching Assistant at Ain-Shams University. He was engaged in research on ferrite devices from 1970 to 1974, and on surface acoustic-wave devices from 1975

to 1979. He is now a Research Associate at the National Research



Velimir M. Ristic (S'67-M'68) was born in Skopje, Yugoslavia, on October 10, 1936. He received the Dipl. Inz. and Mag. N. degrees in electrical engineering from the University of Belgrade, Belgrade, Yugoslavia, in 1960 and 1964, respectively, and the M.Sc. and Ph.D. degrees from Stanford University, Stanford, CA, in 1966 and 1969, respectively.

He was a Research Engineer at the Institute for Nuclear Sciences and Lecturer at the Department of Electrical Engineering, University of Belgrade, and a Staff Member at the Institute for Plasma Research, Stanford University, from 1966 to 1968, where he was working on beam/plasma amplifiers. He was a Fulbright Scholar in 1965 and 1966. He is presently Associate Professor in the Department of Electrical Engineering at the University of Toronto, Toronto, Canada. He was engaged in research in a wide variety of topics in the field of electrical engineering including nuclear proton magnetometers, pulsed circuits, low-noise amplifiers, electromagnetic slow-wave structures, plasmas, mi-

crowave couplers and spark gap devices. This latest interest includes microwave acoustic devices and acoustooptics. He is the author of over 30 papers and a book.

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R. Rupp was born in Ramat-Gan, Israel, in 1940. He received the M.Sc. and Ph.D. degrees from the Hebrew University of Jerusalem, Jerusalem, Israel, in 1964 and 1969, respectively.

During 1970 and 1971 he worked as Research Associate at the University of North Carolina, Chapel Hill. Since 1972 he has been with the Theoretical Solid State Physics Group at the Sareq Nuclear Research Centre, Yavne, Israel. In 1975 he worked at the University of Essex, England, on a Senior Visiting Fellowship of the

Science Research Council. His main interests are in surface effects on optical properties of solids and electromagnetic scattering.

Dr. Rupp is a member of the American Physical Society and the Israel Physical Society.

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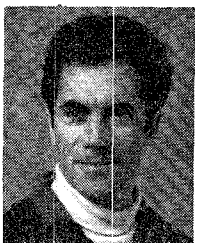


James C. Sethares (M'65) received the B.S. degree in electrical engineering from the University of Massachusetts, Amherst, in 1959, and the S.M. degree in electrical engineering from the Massachusetts Institute of Technology, Cambridge, in 1962.

In 1962, he joined the Microwave Physics Laboratory in Air Force Cambridge Research Laboratories at Hanscom Air Force Base, Bedford, MA, where he is now employed as a Research Physicist in the Electromagnetic Sciences

Division of Rome Air Development Center. He has been a Visiting Lecturer in Mathematics and Electromagnetics at Boston University and the University of Lowell. His main area of interest is in microwave magnetics and for the past five years has been active in developing magnetostatic wave technology.

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Lotfollah Shafai was born in Muragheh, Iran on March 17, 1941. He received the B.Sc. degree from the University of Tehran, Iran, and M.Sc. and Ph.D. degrees from the University of Toronto, Toronto, Canada, in 1966 and 1969, respectively, all in electrical engineering.

Since 1969 he has been with the Department of Electrical Engineering, University of Manitoba, Winnipeg, Canada, where he is currently a Professor. From July 1976 to January 1977 he was a Visiting Scientist at the Com-

munication Research Centre in Ottawa, where he participated in design of a low-cost earth terminal for the Hermes Satellite. From January to July 1977 he was a Visiting Professor at the Electromagnetics Institute, Technical University of Denmark, Denmark, and worked on the modeling of corrugated structures using impedance boundary conditions. His major interests are in antennas, scattering and diffraction of electromagnetic waves and application of numerical methods to field problems.



Hiroshi Shigesawa (S'62-M'63) was born in Hyogo, Japan, on January 5, 1939. He received the B.S., M.S., and Ph.D. degrees in electrical engineering from Doshisha University, Kyoto, Japan, in 1961, 1963, and 1969, respectively.

Since 1963, he has been with Doshisha University. Currently, he is a Professor at the Faculty of Engineering. His research activities have been concerned with microwave and submillimeter-wave transmission lines with open structures, fiber optics, and microwave holographies.

Dr. Shigesawa is a member of the Institute of Electronics and Communication Engineers (IECE) of Japan, the Japan Society of Applied Physics, and the Optical Society of America (OSA).

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Kei Takiyama (M'58) was born in Osaka, Japan, on October 20, 1920. He received the B.S. and Ph.D. degrees in electrical engineering from Kyoto University, Kyoto, Japan, in 1942 and 1955, respectively.

Since 1954, he has been a Professor of Electronic Engineering at Doshisha University, Kyoto, Japan, where he carried out research in the fields of microwave transmission lines and optical engineering. From 1957 to 1958, he was a Fulbright Scholar and a Research Associate at

the Microwave Research Institute, The Polytechnic Institute of Brooklyn, New York.

Dr. Takiyama is a member of the Institute of Electronics and Communication Engineers (IECE) of Japan, the Institute of Electrical Engineers of Japan, and the Optical Society of America (OSA).

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Salvador H. Talisa (M'76), for a photograph and biography please see page 625 of the June 1979 issue of this TRANSACTIONS.

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Mikio Tsuji (S'77) was born in Kyoto, Japan, on September 10, 1953. He received the B.S. and M.S. degrees in electrical engineering from Doshisha University, Kyoto, Japan, in 1976 and 1978, respectively. Currently, he is studying towards the Ph.D. degree at Doshisha University.

His research activities have been concerned with submillimeter-wave transmission lines.

Mr. Tsuji is a member of the Institute of Electronics and Communication Engineers (IECE) of Japan, and the Optical Society of America (OSA).