

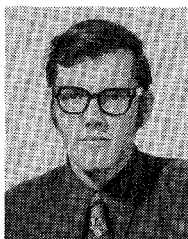
Contributors



Ulrich H. Gysel (S'68-M'70) was born in Schaffhausen, Switzerland, on November 1, 1940. He received the Diploma in electrical engineering, and the Ph.D. degree with honors, in 1964 and 1971, respectively, both from the Swiss Federal Institute of Technology, Zurich, Switzerland.

From 1965 to 1971 he was with the Microwave Laboratory, Swiss Federal Institute of Technology, as an Assistant and Research Associate, where he was engaged in research on tunnel-diode amplifiers and mixers. He held a Postdoctoral Fellowship from the Swiss National Science Foundation from 1971 to 1973, and spent this time at the Electromagnetic Techniques Laboratory of the Stanford Research Institute, Menlo Park, CA. Currently, he is working in the Radio Physics Laboratory of the Stanford Research Institute. His research interests include microwave and millimeter-wave integrated circuits, microwave filters and semiconductor applications, and computer-aided design.

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Robert E. Lee (S'64-M'71) was born in Salt Lake City, UT, on September 2, 1942. He received the B.S., M.S., and Ph.D. degrees in electrical engineering in 1965, 1967, and 1975, respectively, from the University of California, Berkeley.

From 1965 to 1968 he was the recipient of a National Science Foundation Traineeship and was subsequently employed from 1968 to 1970 at the university as a Teaching Assistant and Research Assistant. During two periods in 1966 and 1968, he was employed as a Member of the Technical Staff at Watkins-Johnson Company, Palo Alto, CA. From 1970 to 1975 he was employed at Stanford Research Institute in Menlo Park, CA, as a Research Engineer, where he engaged in work on high-frequency surface-acoustic-wave devices, high-power solid-state microwave devices, and high-resolution lithographic techniques. In 1975 he joined Hewlett-Packard Company (Solid State Laboratory), Palo Alto, CA, where he is currently working on the development of microwave solid-state devices.

Dr. Lee is a member of Eta Kappa Nu, Tau Beta Pi, Sigma Xi, and the IEEE Groups on Sonics and Ultrasonics, Microwave Theory and Techniques, and Electron Devices.

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Johannes A. G. Malherbe (M'75) was born in Cape Town, South Africa, on March 15, 1940. He received the B.Sc., B.Eng., and Ph.D. degrees, all in electrical engineering, from the University of Stellenbosch, Stellenbosch, South Africa, in 1962 and 1974, respectively.

During 1963 and 1964 he worked with the Systems Group, Line Transmission Laboratories of G.E.C. Ltd., Coventry, England, and from 1965 to 1969, he was with the South African Post Office Laboratories. He has been

a Senior Lecturer in the Department of Electrical Engineering, University of Stellenbosch, Stellenbosch, South Africa, since 1970.

Dr. Malherbe is a member of the South African Institute of Electrical Engineers.

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Don Parker (S'61-M'63-SM'73) was born in Ogden, UT, on January 14, 1933. He received the B.S. degree in 1956 from Brigham Young University, the M.S. degree in 1957 from Harvard University, and the Sc.D. degree in 1964 from the Massachusetts Institute of Technology.

He has engaged in research and teaching since 1957 when he was appointed as a Staff Associate at M.I.T. Lincoln Laboratory.

Until entering the Air Force in 1961, his research included various problems in field theory, electromagnetic radiation, and acoustical wave propagation. As a First Lieutenant in the USAF Electronics System Division, he managed an applied research program to develop improved design methods for information and communication systems. In 1964 he became a Staff Member in the Space Communication Division of M.I.T. Lincoln Laboratory, where he performed research on the generation of high microwave power using solid-state devices. His theoretical and experimental research includes the design of high-power stable frequency multipliers, transient analysis of frequency multipliers, and analysis of oscillations in bulk-effect semiconductors and avalanche diodes. He joined Stanford Research Institute, Menlo Park, CA, in 1969, and continued research on the high-efficiency modes in avalanche-diode oscillators. From November 1972 to May 1975 he was Director of the Electromagnetic Techniques Laboratory at SRI and is currently a Program Manager in the Radio Physics Laboratory. His research activities cover a wide range of microwave and millimeter-wave components and subsystems including techniques for broad-band radar cross-section enhancement and measurements and antenna technology. Concurrent with his research he has taught graduate and undergraduate courses at BYU, M.I.T., Northeastern University, and San Jose State College.

Dr. Parker was a Gordon McKay Fellow at Harvard University. He is a member of the IEEE Professional Groups on Microwave Theory and Techniques and Electron Devices, Tau Beta Pi, Sigma Xi, and Phi Kappa Phi. He is a member of MTT-S Administrative Committee and is currently serving as Editor of the TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES.

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Nobuo Suzuki was born in Tokyo, Japan, on March 11, 1942. He received the B.S. degree in electrical engineering from the Tokyo Electrical Engineering College, Tokyo, Japan, in 1965.

In 1960 he joined the Yokosuka Electrical Communication Laboratories, Nippon Telegraph and Telephone Public Corporation, Tokyo, Japan, where he was engaged in research on waveguide line and multiplexing networks for a guided-millimeter-wave communication system. Currently, he is engaged in research on optical transmission systems.

Mr. Suzuki is a member of the Institute of Electrical and Electronics Engineers of Japan.