

Contributors



Nion S. Chang (S'58-M'64) was born in Ulsan, Korea, on April 15, 1927. He received the B.S. degree in electrical engineering from Ritsumeikan University, Kyoto, Japan, in 1953, and the M.S. and Ph.D. degrees from Osaka University, Osaka, Japan, in 1958 and 1965, respectively.

Since 1966, he has been employed at the Institute of Scientific and Industrial Research, Osaka University, as a Research Assistant.

His research is chiefly concerned with microwave amplifiers by ferrite, Gunn diode, and magnetostatic wave amplifier by YIG-semiconductor hybrid systems.

Mr. Chang is a member of the Institute of Electronics and Communication Engineers of Japan and the Japan Society of Applied Physics.

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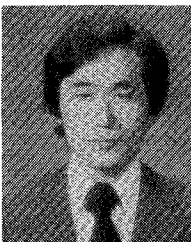
Paul Diament (S'58-M'64) was born in Paris, France, in 1938. He immigrated to the U.S. in 1948 and earned the B.S., M.S., and Ph.D. degrees in electrical engineering at Columbia University, New York, NY, in 1960, 1961, and 1963, respectively.

He joined the faculty of Columbia University in 1963, and spent one year each on leave at Stanford University and Tel Aviv University. He is presently Professor of Electrical Engineering at Columbia University. His research

interests are in electromagnetics, microwaves, antennas, optics, plasmas, wave interactions, and statistical properties of radiation. His latest research deals with relativistic electron beams and the copious levels of microwave radiation they emit.

Dr. Diament is a member of the American Physical Society and the Optical Society of America.

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Shinji Goto was born in Tokushima, Japan, on March 30, 1952. He received the B.S. degree in electrical engineering from Kobe University, Kobe, Japan, in 1975.

He is presently completing the requirements for the M.S. degree in electronic engineering at Kobe University.

Mr. Goto is an associate member of the Institute of Electronics and Communication Engineers of Japan.

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Ronald E. Guentzler (S'54-M'56-SM'74) was born in Cleveland, OH, on May 17, 1934. He received the B.S.E.E. and the M.S.E.E. degrees from Case Institute of Technology, Cleveland, OH, in 1956 and 1963, respectively.

From 1956 to 1960 he was employed in the General Engineering Department of the Ohio Bell Telephone Company, Cleveland, where he had various assignments related to transmission. He was a member of the faculty of Fenn College (now Cleveland State University) from 1956 to 1967. Since 1967 he has been an Assistant Professor in the Department of Electrical Engineering, College of Engineering, Ohio Northern University, Ada.

Mr. Guentzler is a member of Eta Kappa Nu and Tau Beta Pi.

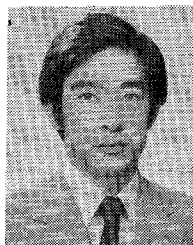


Luc Jeunhomme was born in Suresnes, France, on April 16, 1950. He received the Dipl. Ing. degree from the École Nationale des Télécommunications, Paris, France, and the D.E.A. degree on quantum optics from the University of Paris Sud, Paris, France, in 1972 and 1973, respectively.

In 1973 he joined the Research Laboratory of the Compagnie Générale d'Électricité (CGE), Marcoussis, France, where he is engaged in propagation studies in optical

fibers. He has written various papers on experiments concerning his work on optical fibers.

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Kenichi Kitayama (S'75-M'76) was born in Kobe, Japan, on October 28, 1950. He received the B.E. and M.E. degrees in communication engineering from Osaka University, Osaka, Japan, in 1974 and 1976, respectively.

In 1976 he joined the Electrical Communication Laboratory, Nippon Telegraph and Telephone Public Corporation, Tokai-mura, Ibaragi, Japan, where his research is currently on the transmission characteristics of optical fiber cables.

Mr. Kitayama is a member of the Institute of Electronics and Communication Engineers of Japan.

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Nobuaki Kumagai (M'59-SM'72), for a photograph and biography please see page 80 of the January 1977 issue of this TRANSACTIONS.

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James C. Lin (S'67-M'71) was born on December 29, 1942. He received the B.S. degree in electrical engineering in 1966 and the M.S. and Ph.D. degrees in 1968 and 1971, respectively, all from the University of Washington, Seattle.

He is presently an Associate Professor in the Department of Electrical and Computer Engineering, Wayne State University, Detroit, MI. His principal research interests are biological effects and medical applications of

electromagnetic and ultrasonic radiation. Before joining Wayne State University in September 1974, he was Assistant Professor of Rehabilitation Medicine and Assistant Director of the Bioelectromagnetics Research Laboratory, University of Washington School of Medicine. He was also an investigator in the Center for Bioengineering at the University of Washington. Since 1973 he has been a Scientific Consultant to several private and governmental research laboratories. Recently, he served as a member of Governor Milliken's Task Force to Review Project Seafarer. He is the author of the book *Microwave Auditory Effects and Applications* (Charles C. Thomas, Publisher, 1977).

Dr. Lin is on the IEEE Engineering in Biology and Medicine Regional Council and is a member of ANSI subcommittee C95.4 on Radiation Hazards with Respect to Personnel. He is the recipient of the IEEE TRANSACTIONS on Electromagnetic Compatibility Best Paper Award.



Yukito Matsuo was born in Osaka, Japan, on July 12, 1919. He graduated from the Department of Electrical Engineering, University of Yamagata, Yamagata, Japan, in 1940, and joined the Tokyo Shibaura Electric Company, Kawasaki, Japan.

From 1943 to 1945 he was engaged in research on microwave tubes and radar techniques at the Naval Technical Research Institute, Tokyo, Japan. In 1945 he joined the Physics Department of the University of Osaka as a Research Assistant, and from 1956 to 1961 he was an Associate Professor at the Institute of Scientific and Industrial Research of the same university. Since 1961 he has been a Professor at the University of Osaka, where he is engaged in research on microwave semiconductors, electron devices and lasers, and their applications.

Dr. Matsuo is a member of the Institute of Electrical Engineers of Japan, the Institute of Electrical Communication Engineers of Japan, the Japan Society of Applied Physics, and the Institute of Television Engineers of Japan.

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Tanroku Miyoshi (S'67-M'72) was born in Osaka, Japan, on January 6, 1944. He received the B.S., M.S., and Ph.D. degrees, all in electronic engineering, from the University of Tokyo, Tokyo, Japan, in 1967, 1969, and 1972, respectively.

In 1972 he was appointed Instructor, and in 1974 became an Associate Professor, in the Department of Electronic Engineering, Kobe University, Kobe, Japan. His research was primarily concerned with microwave circuits, solid-state microwave oscillators, and microwave measurements. Since 1973 he has also been engaged in the research of optical circuits.

Dr. Miyoshi received a Yonezawa Award in 1974 from the Institute of Electronics and Communication Engineers of Japan.

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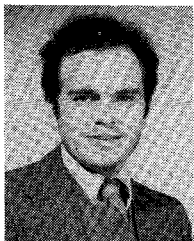


David M. Pozar (S'74) was born on January 25, 1952. He received the B.S.E.E. and M.S.E.E. degrees from the University of Akron, Akron, OH, in 1975 and 1976, respectively.

He was employed periodically during 1972-1974 at the National Security Agency, Fort Meade, MD, as an Engineering Assistant as part of the cooperative education program at the University of Akron. Currently, he is employed at the ElectroScience Lab. at Ohio State University, Columbus, as a graduate

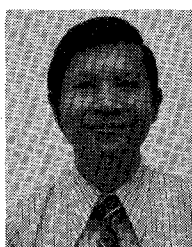
Research Assistant, and is pursuing the Ph.D. degree.

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Michel Rousseau was born in Pithiviers, France, on February 2, 1947. He received the Dipl.Ing. degree from the École Nationale des Télécommunications, Paris, France, and the Dr.Ing. degree from the University of Paris Sud, Paris, France, in 1969 and 1972, respectively.

In 1972 he joined the Research Laboratory of the Compagnie Générale d'Électricité (CGE), Marcoussis, France, where he has been previously involved in studies of wave propagation in optical fibers. He is currently concerned with research and development of optical fiber communication systems.



Quang C. Tham (S'72-M'73) was born in Hanoi, Vietnam, on October 26, 1942. He received the B.S.E.E. degree from Cheng Kung University, Tainan, Taiwan, in 1966, the M.S.E.E. degree from Mississippi State University, State College, in 1968, and the Ph.D. degree in electrical engineering from the University of Maryland, College Park, in 1972.

Since 1972 he has been a Senior Engineer in the Antenna Engineering Section at the Bendix Field Engineering Corporation, Columbia, MD. His major interests are modern control theory, communication theory, and electromagnetic field theory.

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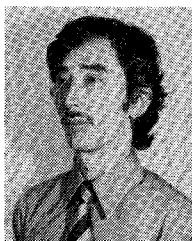


Charles Vassallo was born on November 30, 1940. He attended the École Polytechnique, Paris, France, and the École Nationale Supérieure des Télécommunications, Paris, France. He received the degree of docteur ès-sciences from Orsay University, Orsay, France, in 1973.

In 1966 he joined the Centre National d'Études des Télécommunications, Lannion, France. His primary interests were in propagation and amplification effects in solid-state

plasmas. He is now involved in research on optical fibers and integrated optics.

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Syoji Yamada was born in Yokkaichi, Japan, on July 1, 1950. He received the B.S. and the M.S. degrees in electronics engineering from Osaka University, Osaka, Japan, in 1974 and 1976, respectively, and is currently a doctoral student at the university.

His research has been concerned with the microwave magnetostatic wave devices.

Mr. Yamada is a member of the Japan Society of Applied Physics.

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S. Yamaguchi, photograph and biography not available at the time of publication.

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Douglas N. Zuckerman (S'67-M'77) was born in Brooklyn, NY, on August 27, 1947. He received the B.S., M.S., and Eng.Sc.D. degrees in electrical engineering from Columbia University, New York, NY, in 1969, 1971, and 1976, respectively.

He is a member of the Waveguide and Special Satellite Systems Department at Bell Laboratories in Holmdel, NJ. He is currently participating in the development of frequency multiplexing networks for WT4 millimeter waveguides. He joined Bell Laboratories in 1969 as a member of the Millimeter Wave Design Department. In his first assignments, he was involved in WT4 system performance studies and analysis of frequency diplexing networks. He later became involved in exploratory satellite antenna work.

Dr. Zuckerman is a member of Eta Kappa Nu, Tau Beta Pi, and Sigma Xi.