

# Contributors

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**Nicole Bernard** was born in Dinard, France, on November 20, 1931. She received the Licence ès Sciences from the University of Paris, Paris, France, in 1954.

In 1954 she joined the Society of Lignes Télégraphiques et Téléphoniques (LTT), Conflans-Sainte-Honorine, France, where she has been involved in the development of ferrites and garnets. Since 1971 she has been doing research on microwave ferrite devices in the Microwave Department.



**Bernard Chiron** (M'60) received a degree in mathematics and physics from the University of Paris, Paris, France, and the Diplomed Engineer degree from the École Nationale Supérieure des Télécommunications, Paris, France, in 1948 and 1950, respectively.

In 1952 he joined the Research Department of the Society of Lignes Télégraphiques et Téléphoniques (LTT), Conflans-Sainte-Honorine, France, where he has been primarily concerned with microwave applica-

tions. In 1965 he became Assistant Technical Director of the Microwaves and Magnetism Branch, LTT. He has published various analytical and experimental papers, in particular on microwave devices. Currently, he is Scientific Director of LTT.



**Louis Courtois** was born in Nantes, Loire Atlantique, France, on September 6, 1936. He received a degree from the École Supérieure d'Electricité, Paris, France, and the Dr. Ing. and Doctorat es-Sciences Physique degrees from the University of Paris, Paris, France, in 1960, 1964, and 1971, respectively.

In 1960 he joined the Microwave Group of the Laboratoire de Magnétisme et Physique des Solides, Centre National de la Recherche Scientifique (CNRS), Meudon-Bellevue, France,

where he is concerned with research on wave propagation in ferrites and especially surface waves. He is currently a Maître de Recherche with the Laboratoire de Magnétisme et d'Optique des Solides, CNRS.



**Gérard E. Forterre** (A'63) was born in Nancy, France, on August 13, 1935. He received the Diplomed Engineer degree from the École Nationale Supérieure des Télécommunications, Paris, France, in 1959.

Since that year, he has been with the Research Department of the Society of Lignes Télégraphiques et Téléphoniques (LTT), Conflans-Sainte-Honorine, France, primarily studying the application of ferrites to microwaves. Along with work on the de-

velopment of both passive and active microelectric devices, he has been concerned with important work on wide-band ferrite devices, on which he has written various papers.



**Gordon J. Laughlin** was born in Lansing, MI, on October 30, 1943. He received the B.S. and M.S. degrees in electrical engineering from the University of Michigan, Ann Arbor, in 1965 and 1966, respectively.

From 1965 to 1967 he was a Research Assistant at the University of Michigan. Since 1967 he has been on the staff of the Applied Physics Laboratory, Johns Hopkins University, Laurel, MD. He has been involved in the development of wide-band solid-

state phased-array antennas and microwave circuits.