

1974 MICROWAVE APPLICATION AWARD

TO

Dean F. Peterson III

"For the Application of Microwave Theory and Techniques to the Design of Practical, Reliable, High Power IMPATT Amplifiers."

Dean F. Peterson (S'70-M'71) was born in Melbourne, FL, on March 28, 1945. He received the B.S. degree in electrical engineering from Utah State University, Logan, in 1967, and the M.S. and Ph.D. degrees from the Massachusetts Institute of Technology, Cambridge, in 1969 and 1971, respectively.

From 1968 to 1971 he worked as a Research Assistant in the Solid-State Microwave Electronics Group, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge, where he was engaged in the characterization and modeling of avalanche diodes for use in microwave amplifiers and oscillators. Since 1971 he has been a Staff Member at the Massachusetts Institute of Technology, Lincoln Laboratory, Lexington, where he is developing millimeter-wave IMPATT diode amplifiers for communications systems.

Dr. Peterson is a member of Sigma Xi.

