

1990 Microwave Applications Award

Allen F. Podell

“For pioneering practical GaAs MMIC circuits for commercial use in the form of a single chip microwave radio for satellite TVRO systems.”

The *Microwave Applications Award* is presented periodically for an outstanding application of microwave theory and techniques. The eligibility requirements are the creation of a new device, component or technique, novel use of components, or both. This years recipient is Mr. Allen F. Podell.

Mr. Podell has been a long time innovator and leader in the microwave field. From 1960 to 1964 he developed Anzac's unique line of ultra broadband RF couplers, mixers, hybrids, combiners, and switches. Later, at Adams Russell he developed a variety of broadband microwave components. In recent years he has been an advocate of MMIC technology, particularly as applied to commercial products. He has innovated the use of cell libraries for MMIC design, interactions with foundries, and a design philosophy that attempts to match the capabilities of MMICs and systems performance needs.

Allen F. Podell (S'60, M'61, SM'77), Senior Vice President and Director of Technology Development, Pacific Monolithics, Inc., Sunnyvale, CA received the B.S. degree in Engineering Physics from Cornell University and completed graduate courses at the Universities of California and Harvard. From 1960 to 1964 he was the co-founder and chief engineer of Anzac Electronics.

He was a Peace Corps member from 1964 to 1966 and managed road construction performed by 350 Tanzanian laborers, returning to Anzac from 1966 to 1968. In 1968–1970 he was with Adams Russell as Corporate Director of Product Innovation, during which he developed numerous components including broadband hybrids, transformers, phase shifters, amplifiers, and special purpose test equipment. He held key positions at Stanford Research Institute (1970–1972), Hewlett-Packard (1972–1977), Varian Associates (1977–1978), and formed Allen F. Podell & Associates (1978–1984) to consult on a variety of projects including both microwave products and electromechanical applications.

In 1984 he was with the nucleus who founded Pacific Monolithics, Inc. He has written over 30 technical papers and is the author or coauthor of 20 U.S. Patents. Allen Podell is a Senior Member of the IEEE and a regular participant in MTT-S panels and conferences.

