

James J. Komiak received the Ph.D. degree in Electrical Engineering from Cornell University, Ithaca, NY in 1978. His Ph.D. research was directed towards a novel broadband matching technique for arbitrary loads using measured data directly ("Real Frequency Technique").

Dr. Komiak is an Engineering/Scientific Fellow at BAE Systems Electronic Solutions in Nashua, NH, with current interests in System Engineering, Architecture, Design, Mentoring, and Consultation. He is currently located in the MicroElectronics Center whose focus is MMIC, module, and sub-system design for EW, communication, and radar system applications. Principally known for work in power, Dr. Komiak has designed over 100 MMICs achieving state-of-art results. Prior to consolidation at Sanders and the subsequent sale to BAE Systems, Dr. Komiak was with the Lockheed Martin/Martin Marietta/General Electric Aerospace Electronics Laboratory in Syracuse, NY.

Dr. Komiak has been active with MTT-S and the IMS TPC with MTT-5/SC-21 High Power Amplifiers. He was with the IEEE GaAs IC Symposium Technical Program and Executive Committees for 8 years and was Symposium Chairman of the 2000 GaAs IC Symposium. He is also active as an Accreditation Board for Engineering & Technology (ABET) IEEE-sponsored University Electrical and Computer Engineering Program Evaluator. He has 75 publications and 6 patents relating to circuit theory, GaAs MMIC devices and technology, high power amplifiers, solid-state apertures, and RF/microwave design. Dr. Komiak received the 2001 BAE SYSTEMS Chairman's Award for Innovation(Silver)-"Blue Force Locator and Monitor", the 1993 Martin Marietta Jefferson Cup Award-"Outstanding Technical Leadership in Development and Demonstration of High Power and High Efficiency Monolithic Microwave Integrated Circuit Amplifiers and T/R Modules for Phased Array Radar", and his work is represented in the MTT Symposium MMIC Historical Exhibit-"World's First Octave Band MMIC with Power Output in Excess of 10 Watts (1989)". He was elevated to the IEEE grade of Fellow in 2005 for "Contributions to Monolithic Microwave Integrated Circuits, High Power Amplifiers, & Transmit/Receive Modules" and was inducted into the Association of Old Crows Electronic Warfare Technology Hall of Fame in 2008.