



Justin Parke

Consulting Engineer

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Justin Parke is a consulting engineer and Technical Fellow at the Advanced Technology Lab (ATL) in the Northrop Grumman Microelectronics Center where he specializes in microelectronic device development, fabrication, testing, and reliability assessment. As a member of the process integration group, he has taken the SLCFET technology from proof of concept to production in the last 15 years. During that time, Mr. Parke has built and mentored a team of engineers to oversee the production of this critical new technology, while also continuing to expand its performance and application space in anticipation of the customer's needs. Mr. Parke serves on the Spectrum Management Strategic Advisory Board and the RF System Architect Review Board for Northrop Grumman's Mission Systems, where he assists in decision making and steering for the sector's RF system and component needs. In addition, he regularly teaches an Introduction to Semiconductors class for new employees as part of the onboarding process, is on the executive committee of the Compound Semiconductor Manufacturing Technologies (CS Mantech) conference and is chair of the Technical Program Committee for the Reliability of Compound Semiconductors (ROCS) workshop.

Mr. Parke has a bachelor's degree in physics from the John's Hopkins University and a master's degree in physics from the University of Maryland, Baltimore County. Prior to joining ATL he taught physics in Baltimore City and Howard County Public Schools, where he won Teacher of the Year on three occasions.

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