

Biography of Dr. David Nelson

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Dr. Nelson was born and raised in the Eastern United States. After graduating high school in Delaware, he attended the University of Wisconsin, Madison where he was granted the degree of Bachelors of Science in Physics. Subsequently, he attended Cornell University and was granted degrees of M.S. and Ph.D. in Materials Science & Applied Physics concentrating on the solid state physics of Xenon at extremely high pressures resulting in the synthesis of Metallic Xenon. After leaving Cornell, Dr. Nelson was involved in basic research for IBM focusing on advanced lithographic systems including x-ray and e-beam. Since that time he has been involved in two start-ups as a principle hire, one in silicon (Trilogy Systems) and one in GaAs (GigaBit Logic) where he developed and integrated processes across the entire spectrum of semiconductor processing and manufacturing. Later at the Rockwell GaAs FAB (which became part of Conexant and later became a part of Skyworks) he developed the HBT processes which transformed the company from an R&D facility to a commercially successful supplier of cell phone power amplifier modules. Over his career Dr. Nelson has contributed in roles ranging from individual contributor through diverse management positions involving research, development and manufacturing of semiconductor circuits and products. Most recently, Dr. Nelson has been engaged in private consulting and working with students as an adjunct professor of Applied Physics at the California State University Channel Islands.