

Dr. Nelson E. Lourenco is a Senior Research Engineer at GTRI's Advanced Concepts Laboratory. He received his B.S., M.S., and PhD degrees in Electrical and Computer Engineering from Georgia Tech in 2009, 2012, and 2016, respectively. His PhD research focused on investigating transient radiation phenomena within Silicon-Germanium (SiGe) technologies, using heavy-ion and advanced laser techniques to develop radiation-hardened systems intended for orbital and deep-space environments. At GTRI, he has served as a thought leader and key technical contributor in a diverse array of research programs focused on custom RF and microwave integrated circuits, adaptive and reconfigurable RF signal processors, and electronic sub-systems for extreme environment applications (wide-temperature and radiation-intense environments).