

Eric Seabron, Ph.D. is an assistant professor at Howard University Department of Electrical Engineering and Computer Science. He was born and raised in Baltimore Maryland where he graduated from Randallstown High School. His career began at Morgan State University where he earned a BS degree in Electrical and Computer Engineering in 2013. He received his Ph.D. in Materials Science and Engineering from the University of Illinois – Urbana Champaign in 2017, where he developed novel scan probe characterization methods to study GaAs nanowires and Carbon Nanotubes. After which, he worked for over three years as a Principal Microelectronic Engineer in a semiconductor fabrication laboratory at Northrop Grumman Corporation in Baltimore Maryland. Before joining Howard University, Seabron was a National Research Council Postdoctoral Fellow residing at the U.S. Naval Research Laboratory (Washington, D.C.) from 2020-2021. His research group focuses on 1D/2D nanomaterials growth and devices, Phase Change Chalcogenide Metamaterials, reconfigurable microwave/RF electronics, and polariton physics of hyperbolic optical crystals. His vision for the future is to grow his group to enable high impact research, education outreach, and workforce readiness.