

## **Thomas Cecil**

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### **Current Position**

- 2010-present, Detector Physicist, Advanced Photon Source, Argonne National Laboratory.

### **Background**

- 2008-2010: National Research Council Postdoctoral Fellow, Magnetics Group, National Institute of Standards and Technology, Boulder, CO.
- 2008: Ph.D., Electrical and Computer Engineering, University of Virginia, Charlottesville, VA.
- 2002: B.S. Engineering Physics, Murray State University, Murray KY.

### **Honors**

- Eta Kappa Nu (Electrical Engineering Honor Society)
- Sigma Pi Sigma (Physics Honor Society)
- Stephen G. Wilson Graduate Student Teaching Award, University of Virginia

### **Professional Activities**

- Reviewer for IEEE Transactions on Applied Superconductivity, Journal of Applied Physics, and Thin Solid Films.

### **Goals**

I have been a CNM user since 2010 working on superconducting electronics and cryogenic X-ray detectors. As part of my work I have utilized the capabilities of the nanofabrication and devices group via the cleanroom and the theory and modeling group. To be successful, my research requires a wide range of tools available in the CNM cleanroom, along with close collaborations within CNM and through out Argonne. My goals as a User Executive Committee member are 1) to provide a clear pathway for users to bring ideas or concerns to CNM management, 2) to effectively communicate users' needs to CNM and its sponsors to be sure that users have the tools and capabilities required to enable their research, and 3) further develop the resource material available to users when planning and conducting experiments. CNM is a world leading facility, but continued investment is required to maintain this position. With a highly diverse group of users, the UEC should serve as a focal point to communicate the needs of users to management. Additionally, the UEC can serve as a starting point when identifying new research areas and capabilities that may benefit the user community.