

(E41-3) As an introduction, my involvement with superconductivity began in 1977 as an undergraduate working on Nb₃Sn conductor materials and fabrication with Prof. Bob Rose at MIT. Since then I have worked on large-scale applications with Bruce Strauss at Fermilab and with Charles Oberly at the Air Force Research Laboratory; on cryogenic heat transfer, thin film superconductors and sensors with Prof. Steven Van Sciver at the University of Wisconsin, Madison and with Phil Swinehart at Lake Shore Cryotronics. During the 2000s my interest in complex adaptive systems led to a stint as a Learning Strategist—a type of consultant focused on improving organizational learning effectiveness. In 2010, I was enticed back into superconductivity by the opportunity to work on energy-efficient computing with Marc Manheimer, now at IARPA. I currently serve as a member of the IEEE Council on Superconductivity, the IEEE Rebooting Computing initiative, and the Beyond CMOS group within the International Roadmap for Devices and Systems (IRDS).

My role as an SNF co-editor is informed by my former career as a Learning Strategist—to help our community learn more quickly and effectively. Superconductor electronics (yes, often called superconductive or superconducting electronics, but perhaps we should consider paralleling semiconductor electronics usage) is undergoing renewed development, spurred on by immediate needs for sensor arrays, signal processing, and quantum computing, and by the potential for large scale applications in the future. I look forward to working with those of you who have long been part of the SNF team to make it all happen.

D. Scott Holmes