

Undergraduate Research Conference at Florida International University (URFIU)

MATERIALS RESEARCH OPPORTUNITIES AT PENN STATE UNIVERSITY

BY DR. RONALD REDWING

ABSTRACT

Co-hosted by the Penn State Nanofabrication Facility and the 2D Crystal Consortium – Materials Innovation Platform user facility, the Scalable Nanomanufacturing of Complex Materials REU program has provided undergraduate students with an opportunity to work on next-generation materials and devices that will underpin the future of microelectronics research and also participate in focused professional development and mentoring program. As industry projects, the end of Moore's law in terms of device scaling, "More than Moore" approaches which utilize new materials to enable new functionalities will become increasingly critical. This National Science Foundation-funded REU site enables students to work in the field of advanced nanomanufacturing.

Summer 2022 Program Dates: May 31 - August 5, 2022



Tuesday, March 22nd, 2022

11:30 AM -12:00 PM EST

FIU Graham Center Ballrooms - GC243

RSVP Link: <https://forms.gle/3YZAN1GvpXe9St7G9>



Ronald D. Redwing, Ph.D., is an associate teaching professor in the Department of Materials Science and Engineering (MatSE) at Penn State University (PSU). Prior to joining MatSE in 2016, Ron served as the Associate Dean of Educational Equity for the Penn State College of Earth and Mineral Sciences from 2011 to 2016 and worked his way from instructor to senior lecturer in the PSU Department of Physics from 1999 to 2011.

While at Penn State, he has worked on over 20 university, college, and department-level committees, including leadership positions on the Presidential Commission on Racial/Ethnic Diversity (co-chair, 2014-15), Council of College Multicultural Leaders (co-chair, 2012-13), Earth and Mineral Sciences Diversity Council (chair, 2011-13), and Department of Physics Climate Committee (chair, 2008-11).