

Ronald L. Jones, Ph. D.

Nominee for Secretary of the NSSA

Education

- 2000 **Ph. D., Materials Science and Engineering**, Pennsylvania State University
1993-1995 **M. S., Materials Science and Engineering**, North Carolina State University
1988-1992 **B. S., Materials Science and Engineering**, North Carolina State University

Relevant Work Experience

- 2009-Present Director, nSoft Consortium, co-sponsored by the NIST Polymers Division and the NIST Center for Neutron Research (NCNR)
- 2004-2009 Project Leader, Dimensional Metrology for Nanomanufacturing, NIST Polymers Division
- 2000-2004 Team Member – Metrology for Next Generation Photoresists, Polymers Division
- 1996 Summer Research Fellowship, Institute for Pulsed Neutron Science (IPNS), Argonne National Laboratory

Select Career Highlights

- Established technical career in *nanoscopic materials science*. Developed history of forwarding field of characterization of ultrathin polymer films and patterned surfaces using Small Angle X-ray and Neutron Scattering.
- Directing new “nSoft” consortium, a collaboration of the NIST Polymers Division, the NIST Center for Neutron Research, and the University of Delaware Center for Neutron Science. Goal of consortium is to develop stronger interactions between industry and neutron facilities, increasing the impact of the neutron community.
- Published over 80 articles; >50 in peer reviewed journals
- Development of CD-SAXS instrumentation and models led to inclusion on ITRS roadmap; construction of world’s first lab prototype; transfer of technology to industry, commercial implementation being explored by several companies.

Professional Activities and Honors

- Chair of Proposal Review Panel for the Advanced Photon Source.
- Member of the User Executive Committee for the Center for Nanoscale Materials Science at Oak Ridge National Laboratory.
- Member of the Advanced Metrology Advisory Group to International SEMATECH.
- International Center for Young Scientists Fellowship (2007)
- Department of Commerce Silver Medal for Outstanding Research (2006)
- Department of Commerce Bronze Medal for Outstanding Research (2010)
- NIST-National Research Council Fellowship (2002-2004)