

Zhorro Nikolov

Profile

Physicist experienced in materials and surface characterization including XPS, AES, vibrational spectroscopy (Raman and FTIR), x-ray diffraction, SAXS, x-ray computer tomography, confocal laser microscopy, lasers and optics, nanoindentation, microfabrication, colloid and surface chemistry.

Education

M.Sc., Ph.D. Physics, Sofia University, Bulgaria

Employment

2013 – Present – *Instrumentation Scientist, Institute of Polymer Science and Polymer Engineering, The University of Akron.*

2009 – 2012 - *Associate Director, Centralized Research Facility, Drexel University, Philadelphia*

2005 - 2008 - *Director of Spectroscopy and Research Professor, Materials Characterization Facility, Drexel University*

2003 - 2005 - *Research Associate Professor, University of Utah, Salt Lake City*

2000 - 2002 - *Research Associate, University of Utah*

1986 - 2000 - *Assistant Professor with tenure (1986 –1993) and Associate Professor with tenure (1993 - 2000), Faculty of Physics, Sofia University, Bulgaria*

Awards and Recognitions

2007 - Outstanding Research Faculty Award, Drexel College of Engineering

1998 - Visiting Professor Scholarship, Venture Business Laboratory, Hiroshima University, Japan

1997 – Invited Senior Scholar Fellowship, Japanese Society for Promotion of Science, Hiroshima University

1993 - Honorary Research Fellowship, Commission of the European Community Fellowship, Department of Physics, Queen's University, Belfast, UK

1991 – Research Fellowship, NSERC, Department of Physics, Queen's University, Belfast, UK

Publications (as Z. S. Nickolov): 67

Meetings: 62

Statement

I am comparatively new for the North Eastern Ohio region but found very soon that MSNO is a unique club of students and professionals united by the common goal to exchange information and share experience about microscopy and microbeam techniques. I became a member in 2013 and was involved in the activities of MSNO. I would like to propose my candidacy for Trustee because I think I can contribute more in support of the society. Specifically I would like to work on attracting more local students to participate in the society and present talks on our meetings. A future goal that I want to pursue is to organize a summer school on Microprobe and Spectroscopy Techniques to be held at the University of Akron.

In addition, I would like to help make the Society more popular among local industry researchers, connecting them with the appropriate resources for research available in quite a few of our local universities' multiuser facilities. Last, but not least I would like to help on organizational matters that the board members are faced with in the regular activity of MSNO.