

Dr. David E. Luzzi
University of Pennsylvania

EDUCATION

Northwestern University

Ph.D., Materials Science and Engineering, 1986

Stevens Institute of Technology

B.E. in Engineering Physics, 1980

WORK EXPERIENCE

Department of Materials Science and Engineering, University of Pennsylvania

Professor, 2002 - Present

Associate Professor, 1993 - 2001

Assistant Professor, 1987 - 1993

Department of Materials Science and Engineering, Kyoto University

Visiting Professor, 1996 – 1997

Department of Materials Science and Engineering, Northwestern University

Post-Doctoral Research Fellow, 1986 - 1987

Research Center for Ultra-High Voltage Electron Microscopy , Osaka University

Monbusho Scholar, 1984 - 1985

Grumman Aerospace Corporation

Grumman Scholar Summer Employee, 1976 - 1980

AREAS OF EXPERTISE

Nanoscience and nanotechnology; nanoscale hybrid materials, processing, structure and properties of nanotubes, chemistry in confined nanoscale environments, advancing electron microscopy for the study of individual molecules and molecular devices, phase stability in intermetallics, solid state amorphizing transformations, structure/property relationships and phase transformations at interfaces in metal alloys and intermetallic compounds, interface structure determination.

PROFESSIONAL/SCIENTIFIC/HONORARY AFFILIATIONS

Director: Nanotechnology Institute, Penn Regional Nanotechnology Facility;

Member: American Physical Society, Materials Research Society, The Metallurgical

Society of AIME, Philadelphia Society for Microscopy; Former member, Defense

Science Study Group, Institute for Defense Analysis, DARPA, 1996-1997;

Heilmeier Award, 2002.