

David J. Kissel

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(505) 270-5127

Areas of Expertise

Polymer Synthesis and Engineering, Materials Chemistry, Sol-Gel Chemistry and Physics, Superhydrophobic Coatings, Nanocomposites, Materials Chemistry, Nanomaterials Science and Engineering, Mechanical Testing of Materials, Materials Characterization, Optical Coatings Research and Design, Advanced Sensor Fabrication and Testing, Water Adsorption Studies, and Complex Functional Materials

Distinguished Honors

National Merit Scholarship-NMSC (2000)

Florida Bright Futures Scholarship-FBFSF (2000)

Vladimir A. Grodsky Memorial Fund Scholarship-*University of FL Dept. of Materials Science and Engineering* (2003)

University of Florida MSE Departmental Scholarship- *University of Florida Dept. of Materials Science and Engineering* (2002)

Outstanding Community Service Award-*Saint Thomas Aquinas HS* (1998)

National Honors Society Appointment-*Saint Thomas Aquinas HS* (1999)

National Latin Honors Society Appointment-*Saint Thomas Aquinas HS* (1999)

Qualifications

B.S. Materials Science and Engineering with a Specialty in Polymers (2004)

The University of Florida; Gainesville, Florida

M.S. Chemical Engineering (2007)

Thesis: Mechanical Property Characterization of Sol-gel Derived Nanomaterials Using an Acoustic Wave Technique

The University of New Mexico; Albuquerque, New Mexico

Ph.D. Nanoscience and Microsystems (anticipated 2008)

Thesis: Water Adsorption Behavior on Various Materials and Surfaces Studied Using an Advanced Mass Sensing Technique

The University of New Mexico; Albuquerque, New Mexico

Field Experience

Graduate Research Assistant

(August 2004-present)

The University of New Mexico Dept. of Nanoscience and Microsystems
Sandia National Laboratories/The University of New Mexico Advanced Materials Laboratory,
Albuquerque, New Mexico

Associate Professor

(September 2006-present)

National American University, *Albuquerque and Rio Rancho, New Mexico*

Research Scientist

(November 2002-August 2004)

Optical Polymer Research, Inc.

Optical Coatings/Research Division, *Gainesville, Florida***Intern/REU Student**

(June 2003-August 2003)

The NSF Research Experience for Undergraduates (REU) Program

Sandia National Laboratories/The University of New Mexico Advanced Materials Laboratory,

*Albuquerque, New Mexico***Technician**

(June 2002-November 2002)

Optical Polymer Research, Inc.

Contact Lens Division, *Gainesville, Florida***Materials Research Consultant (Subcontractor)**

(Feb 2002-June 2002)

High Roller Fishing Lures, llc.

*Nashville, Tennessee***Volunteer**

(December 2000-May 2001)

The University of Florida Dept. of Biomedical Engineering, *Gainesville, Florida*