

## Deanna Altilio

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### Education

Ph.D. Materials Science, University of Central Florida, USA, In progress  
B.S. Mechanical Engineering, University of Central Florida, USA, 2007

### Training

#### University of Central Florida

2007 - Present Scanning Electron Microscope (SEM)  
X-ray Diffraction (XRD)  
Raman Spectroscopy

#### North Carolina A&T State University

August 2007 Full Prof Software Training (2 day course)

### Work History

#### University of Central Florida

August 2007 - Current Graduate Research Assistant

#### University of Central Florida

April 2007 – August 2007 Research Assistant

### Research Interests

- Solid Oxide Fuel Cells (SOFC's)
- Perovskite Materials
- Characterization of Materials:
  - $\text{LaFe}_{0.95}\text{Ru}_{0.05}\text{O}_3$
  - $\text{La}_{0.6}\text{Sr}_{0.4}\text{Fe}_{0.8}\text{Co}_{0.2}\text{O}_3$
  - $\text{La}_{0.75}\text{Sr}_{0.25}\text{Fe}_{0.6}\text{Cr}_{0.4}\text{O}_3$
  - $\text{La}_{0.75}\text{Sr}_{0.25}\text{Cr}_{0.95}\text{Ru}_{0.05}\text{O}_3$
  - $\text{La}_{0.75}\text{Sr}_{0.25}\text{Fe}_{0.6}\text{Cr}_{0.35}\text{Ru}_{0.05}\text{O}_3$
  - $(\text{La}_{0.9}\text{Sr}_{0.1})_{0.95}\text{Cr}_{0.85}\text{Mg}_{0.10}\text{Ni}_{0.05}\text{O}_3$
  - $(\text{La}_{0.75}\text{Sr}_{0.25})_{0.95}\text{Cr}_{0.5}\text{Mn}_{0.45}\text{Ru}_{0.05}\text{O}_3$
  - $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_3$

### Professional Activities

Member:

Society of Women Engineers

### Graduate Advisor

Nina Orlovskaya, University of Central Florida, USA.