Milea J. Kittle

mkittle@purdue.edu

Current Address:

128 Andrew Place Apt.305 West Lafayette, IN 47906

Education

Purdue University, West Lafayette, IN

PhD Student, Current GPA: 3.8

Courses: Physical Ceramics, Physical Properties of Crystals, Powder Processing, Transmission Electron Microscopy- Crystal Defects, Surfaces and Interfaces.

Purdue University, West Lafayette, IN

Bachelor of Science in Materials Science and Engineering Senior Capstone Engineering Project, Littelfuse Inc.

- Proposed new materials and new design ideas for new fracture based fuse elements
- Designed and fabricated prototype of a fracture based fuse element
- Confirmed design performance and conducted iterative improvements

Professional and University Employment

Purdue University, West Lafayette, IN Research Assistant, Advisor: Professor John Blendell

Kinetics of Faceted Grain Boundary Migration in (Mg, Ni)O Alloys

- Investigating the effects of Wullf shape on grain boundary faceting
- Determining faceted grain boundary complexiton
- Quantifying the effects of faceting on grain boundary migration

Technical Assistance Program, West Lafayette, IN

Graduate Assistant

- Assist Indiana businesses with research and development
- Provide literature reviews, microstructural characterization, failure analysis and material selection
- Collaborate with other TAP researchers to ensure the highest quality solution for client companies

Purdue University - MSE 499, West Lafayette, IN

Undergraduate Researcher

- Developed a processing method to produce (Mg, Ni)O alloys
- Acquired an understanding of the faceting behavior in the (Mg, Ni)O system
- Investigated occurrence of facetted grain boundaries in (Mg, Ni)O polycrystals

Professional Memberships

Materials Advantage Society of Women in Engineering Fall 2006 - Present Fall 2006 – Present

August 2004 – May 2008

January 2008 - Present

June 2007 – December 2007

January 2008 – Present

January 2008 - Present

Permanent Address: 5577 Dover Circle Carmel. IN 46033

Activities and Leadership Positions

Materials Engineering Graduate Student Association Vice President

Delta Zeta Sorority

Callagiata Chantan Dinastar

Collegiate Chapter Director, September 2008 - Present

- Mentor 120 women through their college experience
- Act as a liaison between the chapter, house corporation board, and the national organization
- Helping non-engineering women realize their potential in science and engineering President, January 2007 December 2007
 - Manage a leadership team of 14 executive board officers
 - Enforce the standards, rules, and regulations of the national organization

Academic Chairperson, January 2006 – December 2006

- Assist women to reach their academic potential
- Implement programs to raise the academic standing of members whose performances were below average

Graduate Mentoring Program

Member

• Monthly discussions with other female engineering graduate students to help ensure success

Society of Materials Science Engineering

Social Chairman, August 2007 – May 2008

• Coordinated student-faculty activities to encourage interactions outside of the class room

Conference Participation

Gordon Research Conference, Ceramics, August 10-15, 2008. M. J. Kittle and J. E. Blendell, Grain Growth in Facetted Ceramic Systems (Poster)

June 2009 – Present

September 2004 - Present

August 2005 – May 2008

August 2008 - Present