

CURRICULUM VITAE

LISA A DEIBLER

PERSONAL DATA

Home address: 2866 Mayfield Rd, Suite 102
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EDUCATION

MS/PhD student, Case Western Reserve University, Fall 07-present
BS Material Science Engineering, Washington State University, May 07 • Cumulative GPA: 3.87

RESEARCH EXPERIENCE

Pacific Northwest National Lab, (Summer 07) – PNNL Science and Engineering Education Intern
Projects: Ultrasonic NDT of wood, hydrogen diffusion in PZT

Washington State University (August 06 – May 07) – Material Science Engineering senior research
Project: Casting and characterization of Mg based amorphous-crystalline composite

Washington State University (January 05 – May 07) – student researcher
Project: Design and fabrication of micro-machined ultrasonic transducers

Hamilton Sundstrand (through WSU) (Aug 06 – Dec. 06) – Mechanical Engineering senior design
Project: Testing oil pump performance for Hamilton Sundstrand

Pacific Northwest National Lab, (Summer 06) – DOE Science Undergraduate Laboratory Intern
Project: Ultrasonic signal processing for attenuative materials

Pacific Northwest National Lab, (Summer 05) – DOE Science Undergraduate Laboratory Intern
Project: SAMMs modified carbon electrodes to electrochemistry to detect heavy metal ions.

Pacific Northwest National Lab, (August 02-August 03) – High School Student Research Intern
Projects: Determination of cationic demand by zeta potential, general acoustic microscopy

PUBLICATIONS

Journal Papers

L. Deibler, K. Findley, “Characterization of an Amorphous-Crystalline Mg-based Composite”
Journal of Alloys and Compounds, IN PRESS

W. Yantasee, L. Deibler, G. Fryxell, C. Timchalk, Y. Lin, “Screen-printed electrodes modified with functionalized mesoporous silica for voltammetric analysis of toxic metal ions,” *Electrochemistry Communications*, 7, 2005, pp 1170-1176

Conference proceedings:

H. Choi, L. Deibler, A. Bandyopadhyay, S. Bose “Size Effect on the Device Performance of K31 Type pMUTs: Experiments and Equivalent Circuit Analysis” IEE Sensors 2006, Taegu, Korea

L. Deibler, H. Choi, A. Bandyopadhyay, S. Bose, “Fabrication of pMUT Arrays for Medical Ultrasonic Imaging” Poster Presentation, SVC 50th Anniversary Conference 2007, Louisville, KY

HONORS

- Outstanding Senior Material Science Engineering – 2006-2007
- Runner up for WSU e-portfolio contest – 2007
- Winner ACerS National Student Speaking Contest – MS&T 2006
- Govilla Material Science Scholarship – 2005-2006
- National Society of Vacuum Coaters Scholarship – 2006
- Outstanding Junior Material Science – 2005-2006
- Honors College Scholarship – 2006
- Civil Air Patrol Spaatz Award – 2006
- National ASM Dr. George Roberts Award – 2005
- Abbie Seehafer Scholarship for Material Science – 2005
- Outstanding Sophomore in the College of Engineering and Architecture – 2004-2005
- Outstanding Sophomore Material Science – 2004-2005
- Tri-Cities Material Science Scholarship – 2004
- Manso B Fisher Memorial Fund Scholarship – 2004-2005
- Kaiser Alum and Chem Corp Scholarship – 2003-2004
- Harrison Scholarship – 2003-2004
- Washington Promise Scholarship – 2003-2005
- WSU University Achievement Award – 2003-2005
- Civil Air Patrol Scholarship – 2003-2005
- Battelle National Merit Scholarship – 2003-2007
- WSU Distinguished Presidential Scholarship – 2003-2007
- WSU President’s Honor Roll – 2003-2007

PROFESSIONAL SOCIETY ACTIVITIES

- WSU Material Advantage chapter vice president – 2006-2007
- WSU Material Advantage chapter representative to the College of Engineering and Architecture Coordinating Council – 2005-2006
- Tau Beta Pi chapter representative to the College of Engineering and Architecture Coordinating Council – spring 2006
- Tau Beta Pi member: 2005-present
- Material Advantage member – 2003-present