

## CURRICULUM VITAE

Name and position: Jessica Booth  
M.S. Student Materials Science and Engineering  
Case Western Reserve University

Degrees: B.S Mechanical Engineering Worcester Polytechnic Institute 2012  
Concentration: Materials Science

### Related Experience:

2012-2013 Graduate Research Assistant, Materials Science and Engineering, Case Western Reserve University Advisor: John Lewandowski

2012 *Summer* LEAN manufacturing engineering intern, General Electric Industrial Solutions, Auburn, ME

2011 *Summer* Design Engineering Intern, General Electric Industrial Solutions, Plainville, CT

2010 *Summer* Process Engineering Co-op, Anaren Ceramics, Salem, NH

2011-2012 Major Qualifying Project Student, Surface Metrology Lab, Worcester Polytechnic Institute, Worcester, MA. Advisor: Chris Brown

### Professional Society Membership:

ASM International, American Society of Materials  
ACerS, American Ceramic Society  
TMS, The Minerals, Metals and Materials Society  
AIST, Association for Iron and Steel Technology  
MRS, Materials Research Society  
MSNO, Microscopy Society of Northeastern Ohio

### Professional Society Service:

2008-2012 ASM Materials Day Worcester Polytechnic Institute- Planning committee/module leader.

### Presentations:

"Surface and Materials Analysis of Rolling Dies" J. Booth, M. Massey, C. Brown. WPI Project Presentation day, April 2012.

"Surface Metrology for Quantifying the Difference in Surfaces" J. Booth, M. Massey, C. Brown. International Conference in Surface Metrology, March 2012.

### Honors and Awards:

Alpha Gamma Delta, 2010  
Tau Beta Pi, 2011  
Pi Tau Sigma, 2011, Treasurer  
WPI Dept. Mechanical Engineering Major Qualifying Project Award, second place: Surface and Materials Analysis of Roll Forming Dies, 2012.  
WPI Interactive Qualifying Project President's award nominee, Water Resources Development in Isaan, Thailand, 2011.