



### **Biographical sketch**

Dr. Laura Bartlett PhD

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Dr. Bartlett received her B.S. in Metallurgical Engineering from Missouri University of Science and Technology in 2008 and a Ph.D. in Metallurgical Engineering in 2013, also from Missouri University of Science and Technology. Since January 2013, she has served as Assistant Professor of Engineering Technology at Texas State University in San Marcos, TX and is the Foundry Educational Foundation Key Professor of Metalcasting Technology. Dr. Bartlett is

the current director of the Advanced High Strength Materials Lab at Texas State, a university/industry collaboration which involves the development of novel high strength and lightweight metallic materials and other industry relevant research. Dr. Bartlett has published numerous articles on the subject of advanced high strength steel research and has won many technical awards including the Metalcasting Congress Steel Division Best Paper Award in 2011, 2012, and 2016 and the 2016 TMS Champion Mathewson Medal for the most outstanding contribution in the field of metallurgical and materials science research published in *Metallurgical and Materials Transactions*. Dr. Bartlett is also a member of AIST and is the 2014-2015 and 2015-2016 recipient of the AIST Kent D. Peaslee Junior Faculty Award. She is also a long time member of TMS and currently serves as a co-organizer and co-editor of TMS Extraction and Processing Division Congress. She was recently honored by TMS as a 2016 winner of the TMS Young Leader Professional Development Award. Dr. Bartlett is also Secretary of the AFS Steel Casting Division 9 Technical Committee. Some of her research interests include melt processing and solidification phenomena in ferrous and non-ferrous alloys, the experimental and theoretical aspects of phase transformations and mechanical property relationships in high strength alloys, and development high strength and lightweight alloys and nanocomposite materials.