

James S. Zuback II

Ph.D. Student

Materials Science and Engineering

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Research Interests:

- ❖ Numerical simulation of heat transfer and fluid flow in additive manufacturing
- ❖ Design and testing of functionally graded alloys
- ❖ Selective vaporization of alloying elements during additive manufacturing

Education:

- Pennsylvania State University, Department of Materials Science and Engineering, 2014-Present, Ph.D. student, Advised by Prof. T. DebRoy and Dr. Todd Palmer
- Lock Haven University of PA, Department of Geology & Physics, 2010-2014, Undergraduate, Advised by Dr. John Reid
 - B.S. in Physics received in May 2014

Publications:

- Mukherjee, T., Zuback, J. S., De, A. & DebRoy, T. Printability of alloys for additive manufacturing. *Scientific Reports*. **6**, 19717; doi:10.1038/srep19717 (2016).