



# ERIC LASS

## *ASSISTANT PROFESSOR*



Dr. Eric A. Lass received a B.S. in Materials Science & Engineering from Michigan Technological University in 2001, an M.S. in Materials Engineering from Rensselaer Polytechnic Institute in 2003, and a Ph.D. in Materials Science and Engineering in 2008 from the University of Virginia. Prior to his recent move into academia, Dr. Lass spent 10 years at the National Institute of Standards and Technology (NIST) in Gaithersburg, MD. While at NIST, Dr. Lass led much of the experimental efforts in the Thermodynamics and Kinetics Group (TKG) of the Materials Science and Engineering Division (MSED). He was the leader of the TKG project titled "Advanced Materials Design: Structural Applications"; and also lead the experimental efforts of the MSED project on additive manufacturing (AM). Dr. Lass' current research areas include additive manufacturing of Fe-, Ni-, Co-, and Al-based alloys, microstructural evolution in superalloys, and Integrated Computational Materials Engineering (ICME) assisted materials design.

His general research interests are in process-structure-property relationships, specifically the application of thermodynamics and kinetics to microstructural evolution and phase transformations in metals and alloys, and in understanding how microstructural evolution can be controlled to enable the design of new materials and processes. He is also active in TMS, serving in leadership positions on several technical committees, the MPMD council, and the Program committee; and is also involved in organizing multiple symposia at TMS and MS&T annual meetings.

In addition to receiving a prestigious NRC postdoctoral fellowship, Dr. Lass was recognized as a TMS Young Leader, and was recently awarded the 2018 ASM Henry Marion Howe Medal, a 2019 Department of Commerce Bronze Medal, and the 2020 TMS EPD Nagy El-Kaddah Award.