

**16<sup>th</sup> International Symposium on Functionally Graded Materials, Hartford, Connecticut, USA  
August 9-12, 2020**

**Mini-Symposium Title:** Manufacturing & Manufacturing Simulations

**Organizers:**

David Manan, [david.manan@uconn.edu](mailto:david.manan@uconn.edu), Finite Element Technician, University of Connecticut

Jeongho Kim, [Jeongho.kim@uconn.edu](mailto:Jeongho.kim@uconn.edu), Associate Professor, Department of Civil and Environmental Engineering, University of Connecticut

**Description:**

Computer modeling and simulations can drastically lower the cost of creating a new manufacturing product by generating and evaluating a simulation in a fraction of the time, it takes to build and test a prototype. Computer models and simulations are important tools for manufacturers. High-end simulation and modeling technology will promote innovation, economic growth and next-generation workforce development. Topics in this mini-symposium can include sheet metal forming, hot press forming, welding, stamping, casting, injection modeling, machining, composites manufacturing, etc.