

**16th International Symposium on Functionally Graded Materials, Hartford, Connecticut, USA
August 7-10, 2022**

Mini-Symposium Title: Manufacturing & Manufacturing Simulations

Organizers (Name, email address, institution):

Sukirti Dhital, Sukirti.dhital@uconn.edu, Finite Element Technician, University of Connecticut

David Manan, jmmanan@yahoo.com, Project Engineer, Standard Builders Inc.

Jeongho Kim, Jeongho.kim@uconn.edu, Professor, Department of Civil and Environmental Engineering, University of Connecticut

Description (within 200 words):

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.