



Name: Navdeep Singh

Department/College: Engineering Technology

Research Area: Materials Science

Biography:

Dr. Singh is an Assistant Professor in the Department of Engineering Technology at University of Houston. He obtained PhD in Mechanical Engineering from the Texas A&M University with a dissertation that focused on the thermal and fluidic characteristics of carbon nanotubes in poly alpha olefins. He joined the UH as a visiting faculty in 2013. Prior to this he was a Postdoctoral Scholar in the Department of Mechanical Engineering at Texas A&M University. Dr. Singh's interests are geared toward solving interdisciplinary, multi-scale, and multi-physics scientific problems in material science. He is mainly focused on utilizing computational techniques such as ab-initio methods and molecular simulations. The materials of particular interest are multifunctional materials, shape memory alloys, and max phases. He is also interested in the development of open-source tools for computational materials science simulations.