



Mechanical Engineering
Academy of Distinguished Alumni

Suman Das

Outstanding Young Mechanical Engineering, 2008

MSME, The University of Texas at Austin, 1996
Ph.D., ME, The University of Texas at Austin, 1998

Professor

Woodruff School of Mechanical Engineering
Georgia Institute of Technology

Dr. Suman Das's dedication to engineering education, strong record of service to professional societies, and international recognition for his research in manufacturing advancements makes him an obvious choice as Outstanding Young Mechanical Engineer. He is the best of the young professors and researchers in the field of freeform fabrication, and his career points to him becoming a world leader in manufacturing.

Professor Das directs the Direct Digital Manufacturing Laboratory and Research Group at Georgia Tech. His research interests encompass a broad variety of interdisciplinary topics under the overall framework of advanced design, prototyping, direct digital manufacturing, and materials processing, particularly to address emerging

research issues in life sciences, propulsion, and energy. His ultimate objectives are to investigate the science and design of innovative processing techniques for advanced materials and to invent new manufacturing methods for fabricating devices with unprecedented functionality that can yield dramatic improvements in performance, properties and costs. His research has been funded by DARPA, NSF, NIH, NRL, ONR, and Rolls Royce.

In addition to his research, Dr. Das holds two patents for manufacturing innovations. Dr. Das' background is in Manufacturing, Mechanics of Materials, and Bioengineering. His research is advanced manufacturing and materials processing of metallic, polymeric, ceramic, and composite materials for applications in life sciences, propulsion, and energy.