Speaker Profile

Contact Details

Organization Name:
The University of Texas at Austin

Address:
Department of Mechanical Engineering, ETC 7.140

Town, State
Austin, TX

Postal Code: 78712

Country: USA

Phone: 512 471 3109
Fax: 512 471 1045
Email:
lishi@mail.utexas.edu

Website:
www.me.utexas.edu/~lishi

Li Shi
Associate Professor & Myron L. Begeman Fellowship in Engineering, University of Texas at Austin

Dr. Shi has been a faculty member in the Department of Mechanical Engineering and Texas Materials Institute in the University of Texas at Austin since 2002. He received a PhD degree in Mechanical Engineering from Berkeley in 2001, a MS degree from Arizona State University in 1997, and a B.E. degree from Tsinghua University, Beijing in 1991. He was a research staff member in IBM Research Division between 2001 and 2002.

Dr. Shi specializes in thermal transport and thermoelectric energy conversion in nanostructured and complex materials. He and his collaborators has developed a set of unique methods based on nanofabricated measurement devices and scanning probe microscopy to characterize coupled electron-phonon transport in individual carbon nantoubes, graphene, semiconducting nanowires and thin films, and nanocomposites. His other research efforts include nanotechnologies for drug delivery and biomedical imaging, and nano-catalysis for cleaner fossil fuel utilization.

Among Dr. Shi's synergetic activities, he has co-organized a NSF sponsored workshop on Nanotechnologies for Solar and Thermal Energy Conversion and Storage, served as the program chair for the ASME 3rd Energy Nanotechnology International Conference, and chaired a number of symposiums and sections for MRS, APS, and ASME conferences. He serves on the executive committee of ThermalHub, a cyber-infrastructure supported by US National Science Foundation for thermal science research and education.

Dr. Shi received the early CAREER award from US National Science Foundation in 2003, and the Young Investigator award from US Office of Naval Research in 2004. He is a recipient of an outstanding reviewer award from ASME transaction Journal of Heat Transfer, which recognizes the exceptional service of a reviewer for the journal. He has been appointed as a Myron L. Begeman Fellow in Engineering at the University of Texas at Austin since 2007.