



Timothy S. Fisher was born in Aurora, IL. He received Ph.D. and B.S. degrees in Mechanical Engineering from Cornell University in 1998 and 1991, respectively, and joined the Purdue's School of Mechanical Engineering and Birck Nanotechnology Center in 2002 after several years at Vanderbilt University. In 2008 he was a Visiting Professor in the Chemistry and Physics of Materials Unit of the Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR, Bangalore, India), and he now holds the position of Adjunct Professor in the International Centre for Materials Science at JNCASR and co-directs the JNCASR-Purdue Joint Networked Centre on Nanomaterials for Energy. From 2009 to 2011, he has served as a Research Scientist at the Air Force Research Laboratory's newly

formed Thermal Sciences and Materials Branch of the Materials and Manufacturing Directorate. Prior to his graduate studies, he was employed from 1991 to 1993 as a design engineer in Motorola's Automotive and Industrial Electronics Group. His research has included efforts in simulation and measurement of nanoscale heat transfer, coupled electro-thermal effects in semiconductor and electron emission devices, nanoscale direct energy conversion, molecular electronics, microfluidic devices, hydrogen storage, and computational methods ranging from atomistic to continuum scales. He has advised or co-advised the completion of 13 PhD degrees, 20 MS degrees, and 10 postdoctoral/visiting research experiences during his career to date. His current efforts include theoretical, computational, and experimental studies focused toward integration of nanoscale materials with bulk materials for enhancement of electrical, thermal, and mass transport properties. Applications of his work cover a broad range of areas, including nanoelectronics, vacuum electronics, thermal interface materials, convective cooling, thermal-electrical energy conversion, biosensors, and hydrogen storage. This work has also produced related studies of controlled synthesis of nanomaterials, particularly carbon nanotubes. He has published the results of this work widely in more than 115 archival journal articles and over 200 conference papers. His work has been widely cited, with more than 1,300 citations recorded by the ISI Web of Science/Citation Index. Professor Fisher's work has been recognized by a University Faculty Scholar Award (2009-2014, Purdue), the Discovery in Mechanical Engineering Award (2007, Purdue), invited participation at the Frontiers of Engineering Symposium (2007, National Academy of Engineering), a CAREER award (2000-2005, National Science Foundation) a 3M Nontenured Faculty Award (1999), and several Best Paper and Best Poster awards, including the Best Paper Award at the 2009 ASME InterPACK Conference. He has been a member of ASME since 1993 and has chaired numerous sessions at ASME conferences through active participation in the K6 (energy) and K16 (electronics) technical committees of the Heat Transfer Division. More recently, he has served in conference leadership positions, including as Technical Committee Co-Chair for the 10th AIAA/ASME Joint Thermophysics and Heat Transfer Conference (June 2010) and for the 2nd ASME Energy Nanotechnology International Conference (Sept. 2007). In Fall 2010, he became Chair of the ASME Heat Transfer Division's K6 Technical Committee on Heat Transfer in Energy Systems.