

HONG G. IM

Associate Professor, Department of Mechanical Engineering, University of Michigan
<http://me-web.engin.umich.edu:8282/ME/People/pubdir/bio?unique=hgim>

Hong G. Im received his B.S. in Mechanical Engineering from Seoul National University in 1986, M.S. in Mechanical Engineering from Seoul National University in 1988, and M.A. and Ph.D. in Mechanical and Aerospace Engineering from Princeton University in 1991 and 1994, respectively. After graduation, he spent two years from 1994 to 1996 as a Research Fellow at the Center for Turbulence Research, Stanford University, followed by a post-doctoral tenure at the Combustion Research Facility, Sandia National Laboratories from 1996 to 1999. He joined the University of Michigan in January 2000 as an Assistant Professor in the Department of Mechanical Engineering, where he currently holds an Associate Professor position.

Hong Im's research and teaching interests are primarily fundamental and practical aspects of combustion and power generation devices using high-fidelity computational modeling. Recent research topics include ignition/extinction, unsteady flame phenomena, DNS/LES of turbulent reacting flows, nonpremixed edge-flame dynamics, modeling of homogeneous charge compression ignition engines, and micro-scale power generation. He is a recipient of the NSF CAREER award in 2002, and the SAE Ralph R. Teetor Educational Award in 2006.