

Biographical Sketch

Chih-Jen (Jackie) Sung
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Education

Ph.D., Mechanical and Aerospace Engineering, Princeton University, 1994
M.A., Mechanical and Aerospace Engineering, Princeton University, 1991
M.S.E., Mechanical Engineering, National Taiwan University, 1988
B.S., Mechanical Engineering, National Chiao Tung University, 1986

Current Position and Qualification

Dr. Chih-Jen Sung is an Associate Professor in the Department of Mechanical and Aerospace Engineering, and a Staff Scientist at the National Center for Space Exploration Research. Professor Sung's research and teaching interests have included structure of chemical reacting flow, laser diagnostics, supersonic combustion, catalytic combustion, micro-propulsion, unsteady and high-pressure flame phenomena, microgravity combustion, soot and NO_x formation, flame extinction and ignition, and development of detailed and reduced chemical kinetic models for aliphatic fuels combustion.