P.K. YEUNG
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EDUCATION:

PhD. in Mechanical Engineering, Cornell University, 1989 (thesis advisor: S.B. Pope)
M.Phil in Mechanical Engineering, University of Hong Kong, 1984
B.Sc.(Eng). in Mechanical Engineering, University of Hong Kong, 1984

PROFESSIONAL EXPERIENCE:

1998-present	Associate Professor of Aerospace Engineering, Georgia Tech
1992-1998	Assistant Professor of Aerospace Engineering, Georgia Tech
1996,7,8	Research Visitor, CSIRO Atmospheric Research, Australia
1994,5,6	Short-term Visiting Scientist, ICASE, NASA Langley Research Center

GRADUATE ADVISING:

Ph.D. students graduated: P. Shen, P. Vedula
Current Ph.D and M.S. students: S. Xu, D. Donzis

CURRENT RESEARCH SUPPORT:

National Science Foundation (collaborative grant with K.R. Sreenivasan, Yale University and University of Maryland)

OTHER COLLABORATORS (in past 48 months):

In US: J.G. Brasseur, R.O. Fox, S.A. Orszag, B.J. Rothschild, K.R. Sreenivasan
International: M.S. Borgas (Australia), B.L. Sawford (Australia), J. Schumacher (Germany), A. Tsinober (Israel)

Synergistic Activities

Member of Task Force on Physicists with Disabilities, American Physical Society (2000-01); reviewer for various journals and sponsor agencies, including NSF

SELECTED PUBLICATIONS

1. Vedula, P. and Yeung, P.K. (1999) Similarity scaling of acceleration and pressure statistics in numerical simulations of turbulence. *Phys. Fluids*, **11**, 1208-1220.
2. Yeung, P.K. (2001) Lagrangian characteristics of turbulence and scalar transport in direct numerical simulations. *J. Fluid Mech.* **427**, 241-274.
3. Yeung, P.K. (2002) Lagrangian investigations of turbulence. *Annu. Rev. Fluid Mech.* **34** (to be published).
4. Yeung, P.K., S. Xu, and K.R. Sreenivasan (2002) Schmidt number effects on turbulent transport with uniform mean scalar gradient. *Phys. Fluids* **14** (in press).
5. Yeung, P.K. and Zhou, Y. (1997) On the universality of the Kolmogorov constant in numerical simulations of turbulence. *Phys. Rev. E*, **56**, 1746-1752.