

Minami Yoda

G. W. Woodruff School of Mechanical Engineering
Georgia Institute of Technology, Atlanta, GA 30332-0405

EDUCATION

Stanford University (<i>Stanford, CA</i>)	Aeronautics and Astronautics	Ph.D. 1993
Stanford University (<i>Stanford, CA</i>)	Aeronautics and Astronautics	M.S 1987
California Institute of Technology (<i>Pasadena, CA</i>)	Engineering and Applied Sci.	B.S. 1985

PROFESSIONAL EXPERIENCE

2001–present	Associate Professor of Mechanical Engineering, Georgia Institute of Technology
1995–2001	Assistant Professor of Mechanical Engineering, Georgia Institute of Technology
1996	Senior Research Fellow, Delft Univ. of Technology (<i>The Netherlands</i>)
1992–1994	Postdoctoral Fellow, Technical Univ. of Berlin (<i>Germany</i>)

HONORS

Faculty Excellence Award, Georgia Inst. of Tech. Women in Engineering Program; TAPPI Editorial Board's Best Research Paper Award; Alexander von Humboldt Foundation Research Fellowship; NSF Program for Research at Foreign Centers Postdoctoral Fellowship

GRADUATE AND POSTDOCTORAL ADVISING (last 5 years)

F. F. Abdelall, J. K. Anderson, U. C. Andresen, J. A. Collins, S. Deivandren, S. G. Durbin, L. C. Elwell, A. A. Islek, T. P. Koehler, C. W. Kotas, H. Li, J. R. Reperant, R. Sadr, B. T. Shellabarger, C. M. Zettner

OTHER COLLABORATORS (last 4 years)

S.I. Abdel-Khalik; C.K. Aidun; A. T. Conlisk; S. Danyluk; F. Guillot; M. Parsheh; J. M. Ramsey; P.H. Rogers; M.D. Sacks; D. L. Sadowski; D. Trivett

CURRENT RESEARCH SUPPORT

Air Force Office of Scientific Research; Defense Advanced Research Projects Agency; US Department of Energy; Institute for Paper Science and Technology; National Aeronautics and Space Administration; National Science Foundation; Office of Naval Research

PROFESSIONAL ACTIVITIES

Associate Editor, *Experiments in Fluids* (Springer); Organizing Committee Member, NSF Workshop on Control and System Integration of Micro- and Nano-Scale Systems (Washington, DC); Chair and Member, NSF Graduate Research Fellowship Review Panel in Mechanical Engineering; Member, NSF Surface Science and Tribology and Fluid and Hydraulic Systems CAREER Review Panels

SELECTED PUBLICATIONS

- 1) Durbin, S. G., Yoda, M., Abdel-Khalik, S. I., Sadowski, D. L. and Koehler, T. P. "Assessment and control of primary turbulent breakup of thick liquid sheets in IFE reactor cavities—the 'hydrodynamic source term'." To appear in *Fusion Science and Technology* (2005)
- 2) Sadr, R., Yoda, M., Zheng, Z. and Conlisk, A. T., "An experimental study of electro-osmotic flow in rectangular microchannels," *Journal of Fluid Mechanics* **506**, 357–367 (2004)
- 3) Yoda, M. and Abdel-Khalik, S. I., "An investigation of fluid dynamics aspects of thin liquid film protection schemes for IFE reactor chambers." To appear in *Fusion Science and Technology* (2004)
- 4) Zettner, C. M. and Yoda, M., "Particle velocity field measurements in a near-wall flow using evanescent wave illumination," *Experiments in Fluids* **34**, 115–121 (2003)
- 5) Zettner, C. M. and Yoda, M. "Moderate aspect ratio elliptical cylinders in simple shear with inertia," *Journal of Fluid Mechanics* **442**, 241–266 (2001)