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EDUCATION:

Ph.D. in Ocean Engineering, Texas A&M University (1984)

M. Tech. in Ocean Engineering, Tokai University, Japan (1979)

B.E. in Ocean Civil Engineering, Tokai University, Japan (1977)

EXPERIENCE:

2004-present, Professor, Department of Ocean Sciences, Tokyo University of Marine Science and Technology

1996-2004, Associate Professor, Department of Ocean Sciences, Tokyo University of Fisheries.

1997-present, Guest Investigator, Biology Department, Woods Hole Oceanographic Institution

1993-1996, Associate Professor, Department of Marine Science and Technology, Tokyo University of Fisheries

1991-present, Adjunct Professor, School of Earth and Ocean Sciences, University of Victoria

1986-1991, Assistant Research Scientist, Chesapeake Bay Institute, Johns Hopkins University

1984-1986, Adjunct Research Professor, Oceanography, Naval Postgraduate school.

CURRENT RESEARCH SUPPORT:

Plankton and particle dynamics from Kolmogorov turbulence downwards, Australian Research Council

Phytoplankton microstructure and turbulent flow, Japan Society for Promotion of Science

A Lagrangian study for algal bloom in the ocean mixed layer, Japan Society for Promotion of Science (German-Japan cooperation program)

AWARDS: Tau Beta Pi (1983)

RECENT COLLABORATORS:

D.Kaimykowski, R. Strickler, S. Gallager, K. Denman, L. Seuront, J. Mitchell, R. Lueck, F. Wolk, C. Rehmann, H. Burchard, H. Li, L. Kantha, H. Nagashima

RECENT STUDENTS ADVISED:

H. Li, T. Nagai, D. Hasegawa

SELECTED PUBLICATIONS:

1. Yamazaki, H., "Breakage models: lognormality and intermittency", *J. Fluid. Mech.*, 219, pp.181-193, 1990
2. Yamazaki, H., and T.R. Osborn, "Direct estimation of heat flux in a seasonal thermocline", *J. Phys. Oceanogr.*, 23, pp.503-516, 1993
3. Gerz, T., and H. Yamazaki, "Direct numerical simulation of buoyancy driven turbulence in stably stratified fluid", *J. Fluid. Mech.*, 249, pp.415-440, 1993
4. Yamazaki, H., "An observation of gravitational collapse caused by turbulent mixing", *J. Phys. Oceanogr.*, 26, pp.826-831, 1996
5. Yamazaki, H., D. Mackas., and K. Denman, "Coupling small scale physical processes with biology", *The Sea: Biological-Physical interaction in the Ocean*, edited by A.R. Robinson, J.J. McCarthy and B.J. Rothschild, Chapter 3, pp.51-112, 2002