

CHESTER E. GROSCH

EDUCATION

M.E. 1956 Stevens Institute of Technology Engineering
M.S. 1959 Stevens Institute of Technology Applied Mathematics
Ph.D 1967 Stevens Institute of Technology Physics-Fluid Dynamics

PROFESSIONAL POSITIONS

1956 to 1966 — Research Scientist, Davidson Laboratory, Stevens Institute of Technology
1961 to 1968 — Visiting Lecturer in Mathematics, Stevens Institute of Technology
1966 to 1968 — Research Associate, Hudson Laboratories, Columbia University
1968 to 1969 — Scientist, Teledyne-Isotopes, Inc.
1968 to 1972 — Adjunct Assistant Professor of Ocean Engineering, Columbia University
1969 to 1973 — Associate Professor of Computer Science and Physics, Pratt Institute
1971 to 1973 — Chairman, Department of Computer Science and Director of the Computer Center, Pratt Institute
1972 — Visiting Fellow in Computational Physics, University of Reading, U.K.
1973 to Present — Samuel L. & Fay M. Slover Professor of Oceanography, Old Dominion University
1980 to 2000 — Consultant, Institute for Computer Applications in Science & Engineering (ICASE).
1982 to Present — Joint Appointment, Professor of Computer Science, Old Dominion University
1989 — Royal Society Guest Research Fellow, University of Cambridge, U.K.

AWARDS

1964 — Ottens Award for Excellence in Research, Stevens Institute of Technology.
1994 — NASA Group Achievement Award to the ICASE Fluid Mechanics Group.
2005 — Old Dominion University Distinguished Research Career Award.

JOURNAL ARTICLES

A. E. Tejada-Martinez, C.E. Grosch and T.B. Gatski, "Temporal large eddy simulation of unstratified and stably stratified turbulent channel flows", *Int. J. Heat & Fluid Flow*, 28, 1244-1261, 2007.

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C. L. Rumsey, W. D. Thacker, T. B. Gatski and **C.E. Grosch**, "Analysis of Transition-Sensitized Turbulent Transport Equations", *AIAA Paper 2005-0523*, 16 pp, 2005.

C. D. Pruett, B. C. Thomas, **C.E. Grosch** and T. B. Gatski, "A Temporal Approximate Deconvolution model for LES", *Proceedings of the Fourth International Symposium on Turbulence and Shear Flow Phenomena*, Eds. J.A.C. Humphrey, T.B. Gatski, J.K. Eaton, R. Friedrich, N. Kasagi and M.A. Leschzimer, 2, 705-710, 2005.

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N. Sarkar, T.C. Royer and **C.E. Grosch**, "Hydrographic and Mixed Layer Depth Variability on the Shelf in the Northern Gulf of Alaska, 1974-1998", *Continental Shelf Research*, 25, 2147-2162, 2005.

A. E. Gargett, J. R. Wells, A. E. Tejada-Martinez and **C.E. Grosch**, "Langmuir supercells: a dominant mechanism for sediment resuspension and transport", *Science*, 306, 1925-1928, 2004.

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