

Biography of Dr. James J. Riley

Education:

Post-Doctoral Visiting Scientist, National Center for Atmospheric Research, 1971 - 1972

Ph.D., Fluid Mechanics, Johns Hopkins University, 1971, thesis supervisor: S. Corrsin

B.A., Physics, Rockhurst College, 1965



Current Affiliation:

Professor, Mechanical Engineering, University of Washington

Adjunct Professor, Applied Mathematics, University of Washington,

Experience:

Acting chair, Mechanical Engineering, University of Washington, 1997 - 1999

Professor, Mechanical Engineering, University of Washington, 1985 - present

Adjunct Professor, Applied Mathematics, University of Washington, 1985 - present

Associate Professor, Mechanical Engineering, University of Washington, 1983 - 1985

Department Manager and Program Manager, Flow Industries, Inc., 1977 - 1983

Senior Research Scientist, Flow Industries, Inc., 1975 - 1975

Research Physicist, Naval Research Laboratory, 1972 – 1973

Fields of Interest:

General interest

Transitioning and turbulent Flows

Current Research

Turbulent, chemically-reacting flows

Turbulent, two-phase flows

Waves and turbulence in density -stratified and rotating flows

Tidal energy