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EDUCATION

Ph.D. Aerospace Engineering, Aug. 1996, University of Michigan, Ann Arbor, U.S.

M.S. Aeronautical Engineering, Feb. 1989, Seoul National University, Seoul, South Korea.

B.S. Aeronautical Engineering, Feb. 1987, Seoul National University, Seoul, South Korea.

ACADEMIC EXPERIENCES

Professor (Full, Associate, Assistant; 1999.3-Present), Dept. of Mechanical and Aerospace Engineering, Gyeongsang National University, South Korea.

Visiting Professor (2004.7-2005. 2), Advanced Simulation and Computing (ASC) FLASH Center, University of Chicago, U.S.

Visiting Scholar (2004.1-6), Dept. of Mechanical Engineering, University of Strathclyde, U.K.

Visiting Scholar (2000.1-2, 6-7), Institute for Mathematics and its Applications (IMA), University of Minnesota, U.S.

National Research Council Research Associate (1997.2-1999.2), Space Data and Computing Division, NASA Goddard Space Flight Center (GSFC), U.S.

RESEARCH INTERESTS

Rarefied, micro/nano-scale fluid dynamics for aerospace applications

Magnetohydrodynamics for space plasmas and computational electromagnetics

Applied aerodynamics and aircraft icing

Aircraft survivability and stealth technology

JOURNAL EDITORIAL EXPERIENCES

Associate editor, *Communications in Computational Physics*, Global Science Press, 2010.1 – date

Editorial board, *International Journal of Computational Fluid Dynamics*, Taylor & Francis, 2009.6 – date