

Curriculum Vitae

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Professor

Department of Aerospace Engineering

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Principal Areas of Teaching and Research

Teaching: Aerodynamics, Fluid Mechanics, Numerical Analysis, Computational Fluid Dynamics, Advanced Gas Dynamics, Helicopter Aeromechanics

Research: Computational Aerodynamics

Unstructured Mesh Technique

Rotorcraft Aerodynamics and Aeroelasticity

Unsteady Aerodynamics

Aerodynamic Shape Optimization

Parallel Computing

Rarefied Gas Flows

Education

B. S. in Aeronautical Engineering, Seoul National University, Feb. 1979

M. S. in Aeronautical Engineering, KAIST, Feb. 1981

Ph. D. in Aerospace Engineering, Georgia Institute of Technology, Dec. 1988

Work Experience

1981 – 1984, Research Engineer, Korea Institute of Aeronautical Technology

1984 – 1988, Graduate Research Assistant, School of Aerospace Engineering, Georgia Institute of Technology

1989 – 1991, Research Associate, School of Aerospace Engineering, Georgia Institute of Technology

1991 – 1994, Research Engineer, NASA Lewis Research Center/Sverdrup Technology Inc.

1994 – present, Assistant, Associate, Full Professor, Department of Aerospace Engineering, Korea Advanced Institute of Science and Technology

2005 – 2006, Department Chair, Department of Aerospace Engineering, Korea Advanced Institute of Science and Technology

Scientific and Professional Societies

American Institute of Aeronautics and Astronautics (AIAA)

American Helicopter Society (AHS)

Korean Society for Aeronautical and Space Sciences (KSASS)

Korean Society of Computational Fluids Engineering (KSCFE)

Korean Society of Mechanical Engineers (KSME)