

Curriculum Vitae

Chongam Kim

- **Affiliations and Contacts**

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- **Education**

- 1983 ~ 1988: B.S., Dept. of Aerospace Eng., Seoul National University
(Experimental aerodynamics / Thesis advisor: Oh-Hyun Rho)
- 1988 ~ 1990: M.S., Dept. of Aerospace Eng., Seoul National University
(Computational aerodynamics / Thesis advisor: Oh-Hyun Rho)
- 1992 ~ 1997: M.S. & Ph.D., School of Mechanical and Aerospace Eng., Princeton University, U.S.A.
(Computational fluid dynamics / Thesis advisor: Antony Jameson)

- **Professional Experience and Service**

- 1991 ~ 1992: Researcher at Supercomputing Center, KISTI, Korea
- 1997 ~ 1998: Research fellow at CTR (Center for Turbulence Research), Stanford University, U.S.A.
- 1998 ~ 2008: Full-time lecturer, Assistant and Associate Professor, School of Mechanical and Aerospace Eng., Seoul National University
- 2009 ~ Present: Professor, Dept. of Mechanical and Aerospace Eng., Seoul National University
- 2007 ~ Present: Adjunct Professor, Interdisciplinary Program in Computational Science and Technology, Seoul National University
- 2015 ~ Present: Adjunct Professor, Department of Mathematics, Seoul National University

- 2012 ~ Present: Associate Fellow, American Institute of Aeronautics and Astronautics (AIAA)
- 2019 ~ Present: Member of AIAA Fluid Dynamics Technical Committee
- 2008 ~ Present: Member of Board of Directors, KumGok Academico-Cultural Foundation
- 2020 ~ Present: President, Korean Society for Computational Science and Engineering (KSCFE)
- 2019 ~ Present: President, Korean Society for Industrial and Applied Mathematics (KSIAM)
- 2019 ~ Present: Vice-president, Korean Society for Aeronautical and Space Sciences (KSASS)
- 2018 ~ Present: Technical Editors of IJASS
- 2019 ~ Present: Scientific Committee of ICCFD, Executive Committee of ACFD

- **Awards**

- KISTI award of high efficiency computing (2002, 2006)
- KOFST best paper award (2003)
- KAI aerospace best paper award (2008, 2019)
- KSCFE best paper award (2007, 2010)
- SNU Engineering SinYang academic award (2011)
- SNU Engineering best-teaching award (2008, 2012)
- NRF EDISON Achievement award (2014)
- KSASS Education award (2016)
- KSASS Academic award (2018)
- KSCM Academic award (2020)

- **Research Interests**

- Computational fluid dynamics and computational aerodynamics in aerospace engineering, computational science & technology
- Numerical methods for conservation laws and higher-order methods
- Compressible multi-phase flows
- Multi-disciplinary flow analysis and Fluid-Structure interaction
- IT-based high performance computing and CFD code development
- Bio-mimetic aerodynamics, Aerodynamic shape optimization, and Flow control

- **Publications, Invited Talk, etc**

- Author and co-author of over 70 international journal articles and review articles including AIAA series journals/Journal of Computational Physics/Computers & Fluids, etc. 230 international conference papers including AIAA/ICCFD/ECCOMAS/WCCM/ACFD conferences, etc. 65 domestic journal articles, and 395 domestic conference papers

- Invited talks & seminars/keynote speech/plenary lectures at international and domestic conferences/symposiums/workshops including AIAA/ICCFD/ACFD/KSASS/KSIAM, etc

- Reviewer of international journals including AIAA journals, JCP, Computers & Fluids, CMAME, AS&T, IJNMF, etc.