

# Hyung Suk Kang

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## Education

Degree	Discipline	Institution	Year
Ph.D.	Fluid Dynamics	Seoul National University	1998
M.S.	Fluid Dynamics	Seoul National University	1993
B.S.	Mechanical Engineering	Seoul National University	1990

## Academic Experience

Institution	Rank	Title	Dates	Full or Part Time
U.S. Naval Academy	Asst. Professor		2012 - present	Full
U.S. Naval Academy	Asst. Professor		2011	Full
Johns Hopkins University	Visiting Professor		2011	Part
Johns Hopkins University	Assoc. Research Scientist		2004 - 2010	Full

## Non-Academic Experience

- Korea Institute of Science and Technology, Researcher, 1990-1991, Full-time

## Current Membership in Professional Organizations

- American Physics Society

## Honors and Awards

- Best Student Award from Engineering School Alumni Association of Seoul National University, 1990

## USNA Activity

- Advisor of Trident Scholar, AY2012
- Advisor of Trident Scholar, AY2013

### **Selected Publications and Presentations (Last Five Years)**

- Brownell, C. J., Luznik, L., Snyder, M. R. and **Kang, H. S.**, 2012 “*In Situ* Velocity Measurements in the Near Wake of a Ship Superstructure,” **Journal of Aircraft**, Accepted
- **Kang, H. S.**, Dennis, D. & Meneveau, C. 2011 “Flow over fractals: drag forces and near wakes,” **Fractals**, 19, No. 19, pp. 387-399. Authors, Title, Journal or Venue, Date
- **Kang, H. S.** & Meneveau, C. 2010 “Direct mechanical torque sensor for model wind turbines,” *Measurement science and technology*, **21**, 105206.
- Raul, B. C., Lebron, J., Castillo, L., **Kang, H. S.** & Meneveau, C. 2010 “Experimental study of the horizontally averaged flow structure in a model wind-turbine array boundary layer,” *J. Renewable and Sustainable Energy*, **2**, 013106. 2.
- **Kang, H. S.** & Meneveau, C. 2008 “Experimental study of an active grid-generated shearless mixing layer and comparison with large-eddy simulation,” *Physics of Fluids*, **20**, 125102.

### **Recent Professional Development Activities**

- Teaching Computation Fluid Dynamics, 2012.
- Attended CREATE Capstone training at Navy Research Lab., 2012
- Attended KESTREL training at NAVAIR, 2012
- Taught Thermodynamics course, 2011.