



# WCU-CSE

## SPECIAL LECTURE SERIES ON TURBULENCE: 2010.9.1~30 (9AM~11AM / MON & WED), YONSEI U. SEOUL

- Course Code : MEU7300
- Course Title : Theory of Turbulent Flow (난류이론)

**Prof. John Kim**  
(Department of Mechanical  
and Aerospace Engineering, UCLA)



**John Kim** is Rockwell Collins Distinguished Professor in the Department of Mechanical and Aerospace Engineering at UCLA. He received his Ph.D. in Mechanical Engineering from Stanford University in 1978. Prior to joining UCLA he was with NASA Ames Research Center, where he conducted research in the areas of turbulence and transition physics as a research scientist and Chief of Turbulence and Transition Physics Branch. John Kim's primary research interest is numerical simulation of transitional and turbulent flows, physics and control of turbulent flows, and numerical algorithms for computational science. John Kim has been a Pioneer in developing direct numerical simulations (DNS) and large eddy simulations (LES) as a reliable and respected tool for studying physics of turbulence. He has been at the forefront of application of a new cutting-edge approach to flow control. His current interest is applying systems control theoretic approach to turbulence control. John Kim received NASA Medal for Exceptional Scientific Achievement in 1985, H. Julien Allen Award from NASA Ames Research Center in 1994, Otto Laporte Award from the American Physical Society (APS) in 2001, Ho-Am Prize in Engineering from the Ho-Am Foundation in 2002, and Distinguished Alumni Award from Seoul National Univ. College of Engineering in 2009. He is a Fellow of the APS, and elected to the National Academy of Engineering (NAE) in 2009. John Kim has been serving as Editor of Physics of Fluids since 1998.

- Place: EngA 018 / EngA 663, Yonsei U.
- CSE Web: <http://cse.yonsei.ac.kr>