

## Speaker Profile



### Dr Myung S. Jhon

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**Dr. Jhon** is a Professor of Chemical Engineering, a member of the Data Storage Systems Center (DSSC) and the Institute for Complex Engineered Systems (ICES) at Carnegie Mellon University in Pittsburgh, PA. Professor Jhon received his B.S. in Physics from Seoul National University, Korea, and his Ph.D. in Physics from the University of Chicago. He has served as visiting professor in several institutions, including the U.S. Department of Energy (National Energy Technology Laboratory and Sandia National Laboratories); the Department of Chemical Engineering, University of California, Berkeley; IBM Almaden Research Center, San Jose; and the Naval Research Laboratory, Washington, D.C. He has also served as a consultant to the United Nations Industrial Development Organization. During his recent leave of absence from Carnegie Mellon, he served as the President & CEO of Doosan DND Co., Ltd.

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Professor Jhon is internationally known for his work in the fields of computational science, information storage systems, nanotechnology, organic light-emitting devices, and chemical mechanical polishing. He is a Fellow of the Korean Academy of Science and Technology. He has served as an advisory committee member for a Korean national program for Tera-level nanodevices, as well as the chair of advisory board and a lead organizer of the U.S.-Korea Nanotechnology Forum. He is an international advisory board member for both the Journal of Industrial & Engineering Chemistry and Polymer (Korea). He has contributed 690 publications (406 refereed publications, 284 technical reports) in the areas of computational methods (lattice-Boltzmann method, finite difference method, finite element method, smoothed particle hydrodynamics, Monte Carlo, molecular dynamics simulation, and parallel computing), information storage systems, nanotechnology, fuel cell, equilibrium and non-equilibrium statistical mechanics, nucleation, fluid and solid mechanics, interfacial dynamics, polymer engineering, rheology, multiphase flow, tribology, chemical kinetics, organic light emitting devices, and chemical mechanical polishing equipment. He is also dedicated to the educational process, as is evident from his numerous teaching awards and his role as an Accreditation Board for Engineering and Technology (ABET) evaluator and Carnegie Institute of Technology Faculty Chair & undergraduate chair in his department. Currently, he is completing an undergraduate textbook entitled Principles of Fluid Mechanics, part of which is published on the Carnegie Mellon's blackboard website. He has won a number of teaching and research recognition awards, including the Ladd, Teare, Ryan, Dowd, and Li awards.