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Dr. Jhon, is a professor of Chemical Engineering, a Carnegie Institute of Technology Faculty Chair, and a member of both the Data Storage Systems Center and the Institute for Complex Engineered Systems at Carnegie Mellon University, Pittsburgh, PA. He is a Fellow of the Korean Academy of Science and Technology. He is an Advisory Committee Member of the National Program for Tera-level Nanodevices and also serves as a member of the international advisory boards for both the *Journal of Industrial and Engineering Chemistry* and *Polymer (Korea)*. He is internationally known for his work in the fields of nanotechnology, data storage systems, energy technology, computational methods (FDM, FEM, particle methods, Monte Carlo, molecular dynamics, lattice Boltzmann method, and parallel computing), equilibrium and non-equilibrium statistical mechanics, tribology, and polymer engineering. He has contributed 646 publications (394 refereed publications and 252 technical reports).

Dr. 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 a visiting professor for 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.

Dr. Jhon is also dedicated to the educational process as is evident from his roles as an Accreditation Board for Engineering and Technology (ABET) program evaluator and a departmental undergraduate chair. Currently he is completing an undergraduate textbook entitled Principles of Fluid Mechanics, part of which is published on Carnegie Mellon's website. He has won a number of teaching and research recognitions, including the Ladd, Teare, Ryan, Dowd, and Li awards.