



**Dionisios (Dion) G. Vlachos** is the Allan and Myra Ferguson Professor of Chemical & Biomolecular Engineering, a Professor of Physics and Astronomy at the University of Delaware, the Director of the University of Delaware Energy Institute (UDEI) and of the Catalysis Center for Energy Innovation (CCEI), an Energy Frontier Research Center (EFRC). He obtained a five-year diploma in Chemical Engineering from the National Technical University of Athens, Greece in 1987, his M.S. and Ph.D. from the University of Minnesota in 1990 and 1992 respectively, and spent a postdoctoral year at the Army High

Performance Computing Research Center in Minnesota. After that, Dr. Vlachos joined the University of Massachusetts as an assistant professor, was promoted to an associate professor in 1998 and joined the University of Delaware in 2000. He was a visiting fellow at Princeton University in the spring of 2000, a visiting faculty member at Thomas Jefferson University and Hospital in the spring of 2007 and the George Pierce Distinguished Professor of Chemical Engineering and Materials Science at the University of Minnesota in the fall of 2007, and the Elizabeth Inez Kelley Professor of Chemical Engineering, University of Delaware, 2009-2016.

Professor Vlachos is the recipient of the 2016 Catalysis Club of Philadelphia Award, the R. H. Wilhelm Award in Chemical Reaction Engineering from AIChE (2011) and is an AAAS Fellow (since 2009). He also received a NSF Career Award and an Office of Naval Research Young Investigator Award. He is a member of AIChE, ACS, the Combustion Institute, MRS, the North American Catalysis Society (NACS) and the Society for Industrial and Applied Mathematics (SIAM). He has given named lectures: the Dumas Lecture, Department of Chemical Engineering, Virginia Tech, 2016, the ICI Distinguished Lecturer, DB Robinson Lectureship Series at the University of Alberta, 2014-2015, and the J. D. Lindsay Lecture Series, Chemical Engineering Department, Texas A&M University, Oct. 8, 2014.

Dr. Vlachos' main research thrust is multiscale modeling and simulation along with their application to catalysis, crystal growth, portable microchemical devices for power generation, production of renewable fuels and chemicals, catalyst informatics, detailed and reduced kinetic model development and process intensification.

He is the corresponding author of more than 340 refereed publications with over 10,000 citations, and an h factor of 56, and has given over 200 plenary lectures, keynote lectures and other invited talks. Professor Vlachos has served as an executive editor of the Chemical Engineering Science journal and also served or currently serves on the editorial advisory board of ACS Catalysis, Reaction Chemistry & Engineering, Industrial and Engineering Chemistry Research, Applied Catalysis A: General.