James K. Ferri, Ph.D.

Professor and Associate Chair, Department of Chemical and Life Science Engineering at VCU College of Engineering
Richmond, VA, US

Dr. Ferri is a Professor in the Department of Chemical and Life Science Engineering at VCU

Biography

James K. Ferri is Professor and Associate Department Chair of Chemical and Life Science Engineering (CLSE) at Virginia Commonwealth University (VCU) in Richmond, Virginia. James came to VCU CLSE, after sixteen years at Lafayette College in Easton, Pennsylvania, where he was the James T. Marcus ?50 Professor of Chemical and Biomolecular Engineering. At Lafayette, he served as the Department Head of Chemical and Biomolecular Engineering, the Robert Adenbaum ?49 Director of the IDEAL Center for Innovation, and the Dean of Curriculum and Resources. His teaching and research at Lafayette were recognized with the Jones Faculty lecture award and the Marquis Distinguished Teaching award. He has taught across the chemical engineering curriculum in more than (20) different courses and in a wide range of inter- and transdisciplinary courses focusing on the intersections of economic development, cultural heritage conservation, environmental science, and engineering. His research focuses on the stability of disperse systems, interfacial phenomena, additive manufacturing, and continuous process intensification. His research has been funded by the National Science Foundation, the National Aeronautics and Space Administration, and the U.S. Department of Education, as well as through industrial partnerships. He has received awards from the Deutscher Akademischer Austauschdienst (DAAD), the Max Planck Society, the Alexander von Humboldt Foundation, and the Camille and Henry Dreyfus Foundation. He is an appointed member of a number of editorial and scientific advisory boards of academic and industrial enterprises. James has been a guest and visiting scientist at the Max Planck Institute for Colloids and Interfaces, Potsdam, Germany; the Consorzio per lo Sviluppo dei Sistemi a Grande Interfase and the Department of Chemistry at the University of Florence, Florence, Italy; the Suzhou Institute for Biomedical Technology, Chinese Academy of Science, Suzhou, China; and the Future Industries Institute, University of South Australia, Adelaide, SA, Australia. He received his BS and PhD both in Chemical Engineering from Johns Hopkins in 1995 and 2000.

Areas of Expertise

Advanced Manufacturing, Stability in disperse systems, Interfacial Phenomena, Process intensification

Education

The Johns Hopkins University
B.S.E. Chemical Engineering

The Johns Hopkins University
Ph.D. Chemical Engineering