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Biographical Sketch:

Marianthi Ierapetritou is a Professor and Chair of the Department of Chemical and Biochemical Engineering at Rutgers University in Piscataway, New Jersey. She obtained her BS from National Technical University in Athens, Greece (magna cum laude), her PhD from Imperial College (London, UK) in 1995 and subsequently completed post-doctoral research at Princeton University (Princeton, NJ) before joining Rutgers University in 1998. Prof. Ierapetritou's expertise is in the area of process systems engineering. Her research interests consider the development of methodologies for the efficient modeling and optimization of process design and operations problems. She considers a variety of applications of systems engineering and she currently has activities in the areas of (a) pharmaceutical manufacturing, (b) biomass conversion to chemicals, (c) integration of scheduling and control; and (d) supply chain management. She has published more than 180 papers and presented in national and international conferences (160 presentations). Among her accomplishments are the Teaching Excellence Award this year voted by the students at Rutgers School of Engineering, the Outstanding Faculty Award in 2012, the Rutgers Board of Trustees Research Fellowship for Scholarly Excellence in 2004, and the prestigious NSF CAREER award in 2000.

Prof. Ierapetritou is an active member of AIChE where she is currently the chair of the CAST division and she has been in the scientific committee of more than 12 international conferences. In 2008 she was the chair of the FOCAPO 5th international conference. She is an active educator both in the classroom teaching graduate and undergraduate classes in the Chemical Engineering department and as an advisor currently supervising the Ph.D. of 7 students and 1 postdoctoral fellow. She is also currently acting as a president of CACHE, a not-for-profit organization that promotes cooperation among universities, industry, and government in the development and distribution of computer-related educational aids for the chemical engineering profession.