

BIOGRAPHICAL DATA of Fokion N. Egolfopoulos

Fokion N. Egolfopoulos received a Diploma in Mechanical Engineering from the National Technical University of Athens in February 1981 and a M.Sc. in Mechanical Engineering from San Jose State University in December 1984; from March 1981 to May 1983 he served military service (compulsory) in the Greek Navy. Subsequently, he received his Ph.D. in Mechanical Engineering from University of California at Davis in June 1990, after having spent the last two years of his doctoral research at Princeton University. After his formal education he has been associated with the Combustion and Fuels Laboratory at Princeton University as a Research Associate from June 1990 to August 1991. In August 1991 he joined the Department of Mechanical Engineering at the University of Southern California at the rank of Assistant Professor. In April 1997 he was promoted to the rank of Associate Professor and subsequently in June of 2002 to the rank of Full Professor. From January 1998 until November of 2001 he was also appointed as Visiting Associate and Lecturer of the Department of Aeronautics at the California Institute of Technology.

Professor Egolfopoulos' current research interests include: aerodynamic and kinetic processes in flames, propulsion, alternative fuels including biofuels, practical fuels used in transportation and air-breathing propulsion, pollutant formation, particle-laden reacting flows, detailed modeling of reacting flows, and laser diagnostics. His work is and has been supported by Air-Force Office of Scientific Research, NASA, US Department of Energy, US Department of Transportation, National Science Foundation, the California Energy Commission, PSA Peugeot-Citroën, the Southern California Gas Company, TRW, Solar Turbines, and the California Institute for Energy Efficiency. He has authored and co-authored seventy seven (77) archival journal publications, two (2) book chapters, one hundred and twenty (120) conference proceedings and reports, and has given ninety six (96) scholarly presentations.

He was a recipient of the Silver Medal of the Combustion Institute at the Twenty-Second International Combustion Symposium. During his first year at USC he was named a Zumberge Fellow by receiving a James H. Zumberge Research Innovation Fund (ZRIF), and received a National Science Foundation Engineering Research Initiation Grant. In April of 1994, he was awarded the Faculty of the Month University-Wide Award by the Mortar Board Senior Honor Society, in recognition of dedication to teaching and to students as well as academic accomplishments. In March of 1995, he was appointed to the Fred O'Green Assistant Professorship in Engineering. In April of 1996, he was awarded the Junior Faculty Research Award in Engineering, for his innovative research work in the area of combustion and the development of a combustion laboratory. In 1997 and 1998, he was awarded an Outstanding Teaching Awards in Mechanical Engineering. In 2007, he was awarded the Northrop Grumman Excellence in Teaching Award, Andrew and Erna Viterbi School of Engineering, University of Southern California. In 2009, he was elected Fellow of the American Society of Mechanical Engineers. He served as a co-Chair of the Laminar Flames Colloquium of the 29th and 30th International Symposium on Combustion. He is currently the Editor in Chief of Combustion and Flame, the leading combustion journal, after having served as an Associate Editor of the journal from 2003 until the end of 2008.