BIOGRAPHICAL SKETCH FOR T. I. ZOHDI

Prof. Tarek I. Zohdi received his Ph.D. in 1997 in Computational and Applied Mathematics from the University of Texas at Austin, under Prof. J. Tinsley Oden. In July 2001, he became an Assistant Professor at the University of California, Berkeley, in the Department of Mechanical Engineering. He was promoted to Associate Professor in July 2004 and to Full Professor in July 2009. Prior to his appointment at the University of California, he was a post-doctoral fellow at the Technical University of Darmstadt, Germany, and then a lecturer at the Leibniz University of Hannover, Germany. He received his Habilitation in Mechanics from the Leibniz University of Hannover, under Prof. Peter Wriggers, in 2002. His main research interests are in micromechanical material design, granular flow and the mechanics of high-strength fabric, with emphasis on computational approaches for nonconvex multiscale-multiphysics inverse problems, in particular addressing the crucial issue of how large numbers of micro-constituents interact to produce macroscale aggregate behavior. He has published over 75 archival refereed journal papers and two books: (a) Introduction to computational micromechanics, Springer-Verlag (T. Zohdi and P. Wriggers) and (b) An introduction to modeling and simulation of particulate flows, SIAM (T. Zohdi). In 2000, he received the Zienkiewicz Prize and Medal, which are awarded once every two years, to one post-graduate researcher under the age of 35, by The Institution of Civil Engineers in London, to commemorate the work of Professor O. C. Zienkiewicz, for research which contributes most to the field of numerical methods in engineering. In 2002, he received the Best Paper of the Year 2001 Award in London, at the Lord's Cricket Grounds, for a paper published in Engineering Computations, pertaining to modeling and simulation of the propagation of failure in particulate aggregates of material. In 2003, he received the Junior Achievement Award of the American Academy of Mechanics. The award is given once a year, to one post-graduate researcher, to recognize outstanding research during the first decade of a professional career. In 2008, he was elected Fellow of the International Association for Computational Mechanics and in 2009 he was elected Fellow of the United Stated Association for Computational Mechanics. He is currently Vice-Chair for Instruction in the Department of Mechanical Engineering and Chair of the Engineering Science Program at UC Berkeley. He serves on the editorial advisory boards of six international journals and is an editor of the journal Computational Mechanics. He was recently (2007) co-chair of the Ninth United States National Congress for Computational Mechanics, which is the largest conference in the field in the United States and, in 2008, he was elected Secretary/Treasurer of the United States Association for Computational Mechanics, which automatically rotates to Vice-President in 2010 and President in 2012.