



Wolfgang Borutzky is a Professor for Modelling and Simulation of Engineering Systems at Bonn-Rhein-Sieg University of Applied Sciences, Germany. He received his Diploma Degree in Mathematics in 1979 and his Doctoral Degree in Mechanical Engineering in 1985, both from the Technical University of Braunschweig, Germany.

He was a visiting professor at Twente University in Enschede, The Netherlands (1993), at the University of Arizona in Tucson, Arizona, U.S.A (1996) and at École Central de Lille, France (2001, 2002). Since 2008 he is also an Associate Professor of Electrical Engineering and Information Technology at the University of Dubrovnik, Croatia.

His main scientific interests have been modelling and simulation methodologies for multidisciplinary systems, especially Bond Graph based as well as object oriented modelling; modelling, simulation, control and fault diagnosis of mechatronic systems, modelling languages, software design for modelling and simulation of continuous, as well as hybrid systems, scientific computing, numerical algorithms and software design for (parallel) continuous system simulation.

Dr. Borutzky has published about 70 refereed papers in major international conferences on Modelling and Simulation and in refereed scientific journals. He is author of the monograph "Bond Graph Methodology -- Development and Analysis of Multidisciplinary Dynamic" System Models published by Springer London UK and guest editor of special issues on bond graph modelling. The latest one is Volume 17, Issue 1, January 2009 of the Journal "Simulation Modelling Practice and Theory" published by Elsevier.

Since 1990 he has served in many international scientific conferences on Modelling and Simulation in various capacities, In 2006 he was General Chair of the European Conference on Modelling and Simulation (ECMS 2006). In 2009, he was an invited speaker of the conference on Modelling, Simulation and Identification (MSI 2009) in Beijing. Furthermore, he has given invited lectures and short courses in industry on bond graph modelling. As to dissertations related to bond graph modelling, he has served as an invited external examiner of Ph.D. theses in France, India and Pakistan.

Dr. Borutzky is a member of the IASTED Technical Committee on Modelling and Simulation and a senior member of SCS, the Society for Modelling and Simulation International. During the 2004-2006 biennium, he served on the SCS Board of Directors. He has also been active as a member of the Editorial Board of some modelling and simulation related scientific journals. Currently, he is again an Associate Editor of the journal Simulation: Transactions of the Society for Modeling and Simulation International.