

Dr. Hassan GOMAA

Biosketch

Hassan Gomaa is Full Professor in the Department of Computer Science at George Mason University, Fairfax, Virginia. He was Chair of the CS Dept. from January 2008 to August 2011. Previously, he was Chair of the Dept. of Information and Software Engineering at Mason from June 2002 to December 2007.

He received a B.Sc.(Eng.) with First Class Honors in Electrical Engineering from University College, London University, and the DIC and Ph.D. in Computer Science from Imperial College of Science, Technology and Medicine, London.

He has over 30 years experience in software engineering, both in industry and academia, and has published over 180 technical papers and four textbooks. His textbook, "Software Design Methods for Concurrent and Real-Time Systems", was published in 1993 by Addison Wesley as part of the SEI Series on Software Engineering and was translated into Chinese in 2003. His second textbook, entitled "Designing Concurrent, Distributed, and Real-Time Applications with UML", was published by Addison Wesley in 2000 and was translated into Chinese in 2004. His third textbook entitled "Designing Software Product Lines with UML" was published by Addison Wesley in 2004. His latest textbook, "Software Modeling and Design", was published by Cambridge University Press in February 2011. He is a member of the editorial board of the Journal on Software and Systems Modeling.

His current research interests include object-oriented analysis and design for concurrent, real-time, and distributed systems, software architecture, software product line engineering, software architectures and patterns, service-oriented architectures, dynamic software adaptation, software performance engineering, intelligent software agents, software engineering environments, and software process models. His research has been funded by several organizations including the National Science Foundation, NASA and DARPA. He was keynote speaker at the Asia-Pacific Software Engineering Conference in December 2004, at the International Conference on Model-Driven Engineering, Languages, and Systems in October 2006, at the International Conference on Software Engineering Advances in October 2008, and at the IEEE Computer Software and Applications Conference in July 2010. He has taught several in-depth industrial courses on software design in North America, Europe, Japan, and Korea. He also consults in both the technical and management aspects of software engineering.

Previously, he held faculty positions at the Wang Institute of Graduate Studies, where he was Professor of Information Technology, and at Imperial College of Science, Technology, and Medicine, London University, where he was a lecturer (equivalent to Assistant Professor in North America) in the Department of Computing. He has also worked in industry at General Electric, Bell Northern Research, and CERN.