

## **Dr. Hassan GOMAA**

### **Biosketch**

Hassan Gomaa is Chair and Full Professor in the Department of Computer Science at George Mason University, Fairfax, Virginia. 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 and Technology, London University.

He has over 30 years experience in software engineering, both in industry and academia, and has published over 150 technical papers and 3 textbooks. His book, "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 book, 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 latest textbook entitled "Designing Software Product Lines with UML" was published by Addison Wesley in 2005. 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 lines, software reuse, 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 and at the International Conference on Model-Driven Engineering, Languages, and Systems in October 2006. 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 and Technology, 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.