

**Dr. Hassan GOMAA**  
**Professor**  
**Department of Computer Science**  
**George Mason University, Fairfax, VA**

**UNIVERSITY EDUCATION**

- University College, London University, England, 1964-67  
B.Sc.(Eng.) First Class Honors in Electrical Engineering.
- Imperial College, London University, England, 1967-68  
Diploma of Imperial College (DIC) in Computer Science
- Imperial College, London University, England, 1972-76  
Ph.D. in Computer Science, March 1976

**AWARDS**

General Electric Management Awards: 1983, 1984

General Electric Outstanding Achievement Award: 1984

Certificate of Merit for Paper submitted & presented, Tri-Ada Conference, 1991

Outstanding Paper Award, IEEE International Conf. on the Engineering of Complex Computer Systems, 1995

Award for Outstanding Research Contributions, Dept. of Information and Software Engineering, George Mason University, 2001

**GEORGE MASON UNIVERSITY**, Volgenau School of Engineering, Fairfax, Virginia, USA:

August 2011 – Present: Full Professor, Department of Computer Science

January 2008 – August 2011: Chair and Full Professor, Department of Computer Science

June 2002 – December 2007: Chair, Department of Information and Software Engineering

September 1987 – December 2007: Full Professor, Dept. of Information and Software Eng.

**Research Interests:** software modeling and design for concurrent, real-time, and distributed systems, software architecture, software product lines, software reuse, adaptable software architectures and patterns, software performance engineering, intelligent software agents, software engineering environments, and software process models.

**Research Funding:** National Science Foundation, NASA, DARPA, Hughes Applied Information Systems, Siemens, Software Productivity Consortium, Virginia Center Of Innovative Technology, Virginia Center Of Excellence in Software Reuse, CTA, American Management Systems, and Grumman.

**Teaching:** Graduate coordinator and co-developer of MS program in Software Engineering. Taught MS and PhD courses in Software Requirements, Software Design, Software Project Lab, Real-Time Software Design, Reusable Software Architectures.

**PhD Advising:** Dissertation director for 13 PhD students who graduated with PhDs in Information Technology.

**Publications:** Four textbooks (two translated into Chinese) and over 180 technical papers.

**Consulting** on software engineering technology and management: Software Productivity Consortium, US Army PERSINSD, Lockheed Martin, Pragmatics Inc., Sperry Marine, Hughes Training Inc., Netrix Corp, Hitachi Institute of Technology, Communication Technologies, Inc.

**Short Courses** on design of object-oriented, client/server, real-time systems and software product lines, ACM Professional Development seminars, several conference tutorials. Taught in-depth industrial courses on software design in North America, Europe, and Asia, at the Software

Productivity Consortium (for SPC's member companies including Lockheed Martin, Northrop Grumman, Boeing, Rockwell, General Dynamics), Mitre Corporation, NASA, LCC, Pragmatics, Nokia, Philips Research Labs, BAE Systems, Hitachi Institute of Technology, and Samsung Electronics.

**Keynote Speaker:** 11<sup>th</sup> Asia-Pacific Software Engineering Conf, Busan, Korea, December 2004; 9<sup>th</sup> ACM/IEEE International Conference on Model Driven Engineering Languages and Systems, Genoa, Italy, October 2006, International Conference on Software Engineering Advances, Malta, October, 2008, IEEE Computer Software and Applications Conference, Korea, July 2010.

**Service:** Program Co-Chair, IEEE International Workshop on Software Performance, 2000, Program Co-Chair, IEEE International Conf. on Engineering of Complex Computer Systems, 1997, Member of the Editorial Board of Journal on Software and Systems Modeling, PC Member of several international conferences.

**WANG INSTITUTE OF GRADUATE STUDIES**, Tyngsboro, Massachusetts, USA  
October 1986 - August 1987: Full Professor of Information Technology.  
Graduate Teaching on Master of Software Engineering program, Research in Software Design Methods for Real-Time and Distributed Systems.

**GENERAL ELECTRIC COMPANY** February 1980 - October 1986  
Factory Automation Products Division, Charlottesville, Virginia, USA  
March 1982 - October 1986

- a) Project Manager (85/86), Computer Integrated Manufacturing Architecture Development
- b) Senior Research Engineer (84/85), Computer Integrated Manufacturing Strategy
- c) System Architect, Robotics Software Development (82-84)

Corporate Research and Development, Syracuse, New York, USA  
February 1980 - February 1982: Project Leader - Software Engineering

**BELL NORTHERN RESEARCH**, Toronto, Ontario, Canada.  
January 1978 - February 1980

- a) Manager, Advanced Technology (January 1979 - February 1980)
- b) System Designer (January 1978 - January 1979)

**CERN**, European Organization for Nuclear Research, Geneva, Switzerland  
Visiting Scientist, September 1977 - December 1977

### **IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY**

London University, London, England  
October 1971 - August 1977  
Lecturer in Computing Science, Department of Computing  
(Equivalent to Assistant Professor in North America).

**CERN**, European Organization for Nuclear Research, Geneva, Switzerland  
February 1969 - September 1971: Systems Programmer

**INTERNATIONAL COMPUTERS LTD.** London, England  
October 1968 - February 1969: Systems Programmer