

My Biography

DR. M.E. FAYAD is a Full Professor of Computer Engineering at San Jose State University from 2002 to present. He was a J.D. Edwards Professor, Computer Science & Engineering, at the University of Nebraska, Lincoln, from 1999 to 2002, and an associate professor at the computer science and computer engineering faculty at the University of Nevada, from 1995 - 1999. He has 15+ years of industrial experience. Dr. Fayad is an IEEE Distinguished Speaker, an Associate Editor, Editorial Advisor, a columnist for The Communications of the ACM and his column is Thinking Objectively, a columnist for Al-Ahram Egyptians Newspaper (2 million subscribers), an Editor-In-Chief for IEEE Computer Society Press - Computer Science and Engineering Practice Press (1995-1997), a general chair of IEEE/Arab Computer Society International Conference on Computer Systems and Applications (AICCSA 2001), Beirut, Lebanon, June 26-29, 2001, and **the founder and president** of Arab Computer Society (ACS) from April 2004 to April 2007.

Dr. Fayad is a known and well recognized authority in the domain of theory and the applications of software engineering. Fayad's publications are in the very core, archival journals and conferences in the software engineering field Dr. Fayad was a guest editor on Eleven (11) theme issues: CACM's OO Experiences, Oct. 1995, IEEE Computer's Managing OO Software Development Projects, Sept. 1996, CACM's Software Patterns, Oct. 1996, CACM's OO Application Frameworks, Oct. 1997, ACM Computing Surveys – OO Application Frameworks, March 2000, IEEE Software - Software Engineering in-the-small, Sept./Oct. 2000, and International Journal on Software Practice and Experiences, July 2001, IEEE Transaction on Robotics and Automation -- Object-Oriented Methods for Distributed Control Architecture, October 2002, Annals of Software Engineering Journal – OO Web-Based Software Engineering, October 2002, Journal of Systems and Software, Elsevier, Software Architectures and Mobility, July 2010, and Pattern Languages: Addressing the Challenges, the Journal of Software, Practice and Experience, March-April. 2012.

Dr. Fayad has published more than 218 high quality papers, that includes profound and well-cited reports (more than 50 in number) in reputed journals, and 84 advanced articles in refereed conferences, more than 20 well-received and cited journal columns, 16 blogged columns; 11 well-cited theme issues in prestigious journals and flagship magazines, 24 different workshops in very respected conferences, over 125 tutorials, seminars, and short presentations in 30+ different countries, such as Hong Kong (April 96), Canada (12 times), Bahrain (2 times), Saudi Arabia (3 times), Egypt (25 times), Lebanon (04 & 05), UAE (2 times), Qatar (2 times), Portugal (Oct. 96, July 99), Finland (2 times), UK (3 times), Holland (3 times), Germany (4 times), Mexico (Oct. 98), Argentina (3 times), Chile (00), Peru (02), and Spain (02), Brazil (04), a founder of 7 new online journals, NASA Red Team Review of QRAS and NSF-USA Research Delegations' Workshops to Argentina and Chili and four authoritative books, of which three of them are translated into different languages such as Chinese and over 5 books currently in progress. Dr. Fayad is also filling for 8 new, valuable, and innovative patents and developed over 800 stable software patterns. Dr. Fayad received an MS and a Ph.D. in computer science from the University of Minnesota at Minneapolis. His research topic was OO Software Engineering: Problems & Perspectives. He is the lead author of several classic Wiley books: Transition to OO Software Development, August 1998, Building Application Frameworks, Sept., 1999, Implementing Application Frameworks, Sept., 1999, Domain-Specific Application Frameworks, Oct., 1999, and several CRC Press, Taylor & Francis Group: Software Patterns, Knowledge Maps, and Domain Analysis, **December 2014**, Stable Analysis Patterns for Software and System, **April 2015**, Stable Design Patterns for Software and Systems, **April 2015**, and several new books in Progress, such as: Unified Software Architectures on Demand, Moviemaking using UML, UML in Action, Unified Software Engines, Stable Analysis Patterns (SAPs): True

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Problem Understanding, and Stable Design Patterns (SDPs): True Solution Space.

Dr. Fayad is the founder of several campaigns for the Arab worlds and for Egypt in particular as shown in the following links:

<http://www.engr.sjsu.edu/fayad/Egyptian%20Abroad.php>

<http://www.engr.sjsu.edu/fayad/Rules%20of%20Honor.php>

http://www.engr.sjsu.edu/fayad/Scientific_Research/index.html

http://www.engr.sjsu.edu/fayad/Government_Priorities/index.html

<http://www.engr.sjsu.edu/fayad/Software%20Industry%20in%20Egypt.php>

Other Important Links:

<http://www.engr.sjsu.edu/fayad>

<http://www.engr.sjsu.edu/fayad/FayadsResearchGroup/index.html>

<http://www.facebook.com/drmfayad>

<https://www.facebook.com/fayadfoundations>

https://www.researchgate.net/profile/Mohamed_Fayad/

<http://twitter.com/#!/mefayad>

<http://www.linkedin.com/in/mefayad>

<http://www.youtube.com/mefayad1>