

Half-Day Tutorial:

Software Stability Model (SSM) – The Art of Abstractions “How-To”

Self-Guided Workshop :

2nd International Workshop on New Frontiers in Software Engineering: Evolving the state of the art in Software Modeling, Analysis, Design and Development

Tutorial for entrepreneurs and businesses:

Innovative projects for Startup and Global Market.

SPEAKER:

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BIODATA: Prof. M. E. FAYAD

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 to 1999. He has over 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 (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 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 300 high-quality articles, which include profound and well-cited reports (more than 50 in number) in reputed journals, and over 100 advanced articles in refereed conferences, more than 25 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 more than 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 Chile 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 eight new, valuable, and innovative patents and has developed over 800 stable software patterns. Dr. Fayad earned an MS and a PhD in computer science from the University of Minnesota at Minneapolis. His research topic was OO Software Engineering: Problems and 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 books by CRC Press, Taylor & Francis Group: Software Patterns, Knowledge Maps, and Domain Analysis (December 2014), and several new books in progress with Taylor & Francis—Stable Analysis Pattern for Software and Systems (May 2017), Stable Design Pattern for Software and Systems (June 2017), Unified Business Rules Standard (UBRS) (March 2017), Software Architecture On Demand, and Unified Software Engineering Reuse: (USER), Unified Software Engineering (USE) in Progress (December 2017).