

Dennis J. Frailey



Biographical Information

Dr. Dennis J Frailey is a Principal Fellow at Raytheon Company in Plano, Texas and an Adjunct Professor of Computer Science at Southern Methodist University, where he teaches courses in software engineering management, cycle time reduction, quality engineering and computer science. He also teaches courses for UCLA Extension and the University of Texas Software Quality Institute. At Raytheon, his primary duties are to provide technical and management expertise to product development projects. This includes writing proposals, negotiating program plans, designing processes, estimating cost, reducing cycle time, and solving complex computational problems. He is also the master instructor for Raytheon's Software Project Management course, instructor and module lead in Raytheon's Principles of Program Leadership course and chair of the Advanced Studies committee, which establishes and manages graduate education programs for engineering employees. In previous assignments he worked as a computer architect, software project manager, cycle time reduction expert, head of the software engineering process group, real-time operating system developer, compiler designer, and speechwriter for company executives.

Dennis was one of the original faculty members and developers of the SMU software engineering masters degree program. He is a former vice president of the Association for Computing Machinery (ACM) and former president of the Dallas Association for Software Engineering Excellence. He has over 150 technical publications including articles in three encyclopedias, and has been a keynote speaker at the ACM SIGADA conference, the Conference on Software Engineering Education and Training, Euromicro 2003, and several other events.

Dr. Frailey is an ACM Fellow, IEEE Senior Member, Chair of the industrial advisory committee of the Texas Board of Professional Engineers and an accreditation visitor and team chair for ABET – the Accreditation Board for Engineering and Technology. He holds an MS and PhD in computer science (Purdue) and a BS in mathematics (Notre Dame). He was recently announced as the 2007 recipient of the ACM lifetime achievement award in computer science education.