

Linda H. Rosenberg, Ph.D.

Dr. Rosenberg is the director of the Software Assurance Technology Center (SATC) in the System Reliability and Safety Office in the Flight Assurance Division at Goddard Space Flight Center, NASA, in Greenbelt, MD. The SATC primary responsibilities are in the areas of Metrics, Assurance tools and techniques, Risk management, and Outreach programs. Although she oversees all work areas of the SATC, Dr. Rosenberg's area of expertise is metrics. She is responsible for overseeing metric programs to establish a basis for numerical guidelines and standards for software developed at NASA, and to work with project managers to use metrics in the evaluation of the quality of their software development products, from requirements to test plans. Some of the current research is in the areas of metrics for object oriented development in C++ and Java, metrics for COTS implementation, and Return on Investment and Earned Values of metrics programs. Dr. Rosenberg's work in software metrics outside of NASA includes work with the Joint Logistics Command's efforts to establish a core set of process, product and system metrics with guidelines published in the *Practical Software Measurement*. In addition, Dr. Rosenberg worked with the Software Engineering Institute to develop a risk management course. As part of the SATC outreach program, Dr. Rosenberg has presented metrics/quality assurance papers and tutorials at IEEE and ACM international conferences. She also reviews for ACM, IEEE and military conferences and journals. Dr. Rosenberg is also an adjunct professor at Towson University in Maryland, for the Masters Program in Computer Science.

Prior to work at NASA, Dr. Rosenberg taught mathematics and computer science for 20 years at Colleges in the Baltimore area, most recently at Goucher College as an Assistant Professor in the Mathematics/Computer Science Department.

Dr. Rosenberg holds a Ph.D. in Computer Science from the University of Maryland, an M.E.S. in Computer Science from Loyola College, and a B.S. in Mathematics from Towson University. She is a member of Electrical and Electronic Engineers (IEEE), the IEEE Computer Society, the Association for Computing Machinery (ACM) and Upsilon Pi Epsilon.

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