Software Technologies Distinguished Lecture Series 2011

Florida Gulf Coast University

Academic 7 – Auditorium 114

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Software Engineering: The Profession

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Abstract. In this talk we will discuss the software engineering profession, addressing the following questions: What is software engineering and what is its current state? What do software engineers do and what should they be doing? What do we mean by the term "professional" and how does one become a professional software engineer? All this – including topics in curriculum, accreditation, professional development, and "professionalism" issues. We will also discuss what's the future of software engineering, including topics in job market trends and capabilities needed in the future.

Speaker's Bio. Dr. Thomas B. Hilburn is a Professor Emeritus of Software Engineering at Embry-Riddle Aeronautical University. He has also worked on software engineering research and education projects with the Federal Aviation Administration, General Electric, the Harris Corp, the MITRE Corporation, DOD, Fund for the Improvement of Postsecondary Education (FIPSE), the Software Engineering Institute, the National Science Foundation, the ACM and the IEEE Computer Society. His interests include software processes, object-oriented analysis and design, formal specification techniques, and curriculum development, and he has published over 60 papers in these areas. He is an IEEE Certified Software Developer, SEI-Certified PSP Developer, and currently chairs the Curriculum Committee of the IEEE Computer Society Educational Activities Board.