

**Software Technologies Distinguished Lecture Series 2011**  
**Florida Gulf Coast University**  
**Academic 7 – Auditorium 114**  
**March 3, 2011, 6:00-7:00pm**

**Software Engineering: View from the Industry**

**Marek Rusinkiewicz, Senior Vice President and General Manager**  
**Applied Research Labs, Telcordia, Piscataway, New Jersey**

***Abstract.*** Telcordia Technologies (formerly known as Bell Communication Research) is a leading provider of operation support systems and services to major telecommunications operators. In my talk, I will describe the evolution of Telcordia Applied Research (AR) organization from an internally-funded research lab carrying out long-term basic research, to a provider of R&D services to internal, government, and commercial customers. Current AR projects cover a range of research areas, including network management, protocol engineering, wireless technologies, mobility, software engineering, database management, systems security, and information assurance.

I will describe several large projects carried out at Applied Research and discuss potential collaboration avenues between Telcordia and universities. These may range from joint externally funded R&D projects, through summer internships for students, to short- or long-term employment opportunities.

***Speaker's Bio.*** Marek Rusinkiewicz is a Senior Group Vice President and the General Manager of Applied Research Laboratories at Telcordia Technologies (formerly Bell Communication Research), which include R&D centers in New Jersey, Texas, Taiwan and Poland. Telcordia Labs carry out research in optical and wireless communication technologies, network management and protocols, mathematical sciences, software engineering, information processing technologies, network and computer security, for Telcordia and its customers, which include most of world's major carriers and providers of telecommunication services. Before joining Telcordia, Rusinkiewicz was the Vice President for Information Technology Research at the Microelectronics and Computer Technology Corporation (MCC) in Austin, where he led a number of initiatives aimed at the development of next generation information technologies, including web search technologies, semantic agents, and collaboration management.

Rusinkiewicz received his Ph.D. degree in informatics from the Polish Academy of Sciences in 1973. Since then, he held academic positions at the University of Glasgow, the University of Michigan, and the University of Houston, where he was a Professor of Computer Science until 1999. His research interests include heterogeneous database systems, distributed computing, workflow management, and agent-based systems. He has published extensively in these areas.

Rusinkiewicz research was funded by DARPA, ARL, NSF, NIST, and by many industrial companies. He has been actively involved in IEEE International Conferences on Data Engineering and the RIDE annual workshops, having served as a Program Chairman, General Chairman, and Steering Committee member for both events. He has been a program committee member of all major information technology conferences and serves on editorial boards of several journals. Although currently less active in the research community, he still keeps up with the developments of technology through his evening job as Editor-in-Chief of the World Wide Web Journal.

Rusinkiewicz is a member of International Federation of Information Processing (IFIP) Working Group on Databases (WG 6.2), a founding member of International Foundation on Cooperative Information Systems (IFCIS) and a member of the International Advisory Board of Japan's National Institute of Informatics. In 2006, he was appointed to the Networking and Information Technology Technical Advisory Group of Presidential Council of Advisors on Science and Technology (PCAST). He has consulted extensively for industry and government organizations in the USA, Japan, and Europe, in the areas of distributed database systems, network and systems security, cooperative information systems, agent technologies and workflow management.