Dr. Ray Madachy

Dr. Ray Madachy is an Independent Consultant and an Adjunct Assistant Professor in the Computer Science department at USC. Previous positions include Chief Scientist at C-bridge Institute, where he performed consulting and training in software methodologies and economic analysis, and Manager of the Software Engineering Process Group at Litton Systems. His consulting clients have included Chevron, Northrop-Grumman, Seagate, Motorola, Lucent, USAA and other Fortune 500 firms. He has also performed as an expert witness on software cost, quality and contractual disputes.

Dr. Madachy has published over 40 articles on software cost estimation, process modeling, metrics, risk management, and multimedia. He has won several major awards for his work. He is a co-author of the book Software Cost Estimation with COCOMO II and is currently writing the book Software Process Dynamics with Dr. Barry Boehm. He is a senior member of IEEE, a member of ACM, INCOSE, Tau Beta Pi, Pi Tau Sigma, serves on the program committee for several conferences and is a reviewer for multiple refereed journals. He received his Ph.D. in Industrial and Systems Engineering from USC, a M.S. in Systems Science from the University of California, San Diego and a B.S. in Mechanical Engineering from the University of Dayton.
Speaker Profile

Dr. Nancy Eickelmann

Dr. Nancy Eickelmann is currently a research scientist for Motorola Labs and is leading the Motorola software and system test process measurement and evaluation research initiative. Prior to joining Motorola she was program manager at the NASA/WVU Software Research Laboratory, her research focused on integrating the Balanced Scorecard into the NASA context to provide a measurement framework for software test technology improvements. Before joining NASA she was a member of the Advanced Programs Research Group at MCC where she developed a measurement framework for guiding the decision-making process in product line development. Dr. Eickelmann began her research career as a member of the technical staff at Hughes Research Laboratory (HRL) in Malibu, California while completing her doctorate at the University of California, Irvine. She was named a Hughes Doctoral Fellow while working at HRL and received several research awards while working with Dr. Debra Richardson’s Formal Methods and Software Testing Group at UCI. Dr. Eickelmann has collaborated internationally on research projects for defense systems, space station applications, space shuttle and global software development. Dr. Eickelmann holds a B.S. Finance, M.B.A., M.S. and Ph.D. Computer Science.
Jongmoon Baik

Jongmoon Baik is a research scientist at Software & Systems Engineering Research Lab (Motorola Labs). He is currently working on Software Process Modeling and Simulation. He received his B.S. degree in Computer Science & Statistics from the Chosun University, Kwangju, Korea in 1993. He received his M.S. and Ph.D. in Computer Science from the University of Southern California, respectively in 1996 and 2000. He has been a member of COCOMO II research group led by Dr. Barry W. Boehm since 1996.
Dan Strickland

Dan Strickland is a Software Engineer for the Software System Engineering branch of Systems Analysis and Program Support at Dynetics, Inc. in Huntsville, AL. He has been at Dynetics since 1997. His work efforts include software cost and schedule estimation, metrics development and analysis, and software tool development. He currently supports the United States Army Space and Missile Defense Command's Theater High Altitude Area Defense (THAAD) project and Boeing's National Missile Defense (NMD) program. Mr. Strickland holds a BS and MS degree in Computer Science from the University of Alabama. He lives in Harvest, AL with his wife Amy and son J.D.