1. Background

2009 marks the 25th edition of the IEEE International Conference on Software Maintenance (ICSM). This special panel session celebrates ICSM’s silver anniversary and the people who helped create and shape its history. From the pioneering efforts of the first workshop to today’s weeklong series of federated events, many things have changed over the years. But at least one thing remains constant: the original goal of creating a supportive environment for fostering the exchange of ideas and information related to the disciplined maintenance and evolution of large-scale software-intensive systems.

The panel has representatives from different eras in ICSM’s rich history, from the beginning in 1983 to the present. The panelists have held leadership positions in ICSM, such as General Chair, Program Chair, or members of the Steering Committee. Each panelist will present a brief position statement on their experience with the conference, and express their view on how the field has changed over time.

There will also be a moderated discussion with all participants, focusing on some of the future challenges facing the field in the coming years. The panel session represents a unique opportunity to hear from experts who have the ability to place new developments in software maintenance in a historical context.

2. Panelists

Ned Chapin has served as an Information Systems Consultant and as a Professor of Information Systems. During his more than three decades of experience in the information systems field he has served as an expert witness in litigation in both state and Federal courts, and contributed to the computer field in the areas of software engineering, service-oriented architecture (SOA), database, computer programming, software metrics, software maintenance, and management technology. He is the author of more than two hundred published papers and articles, and of half a dozen published books on aspects of the computer field. He has served as the Editor of the Journal of Software Maintenance and Evolution. He earned an MBA from the Booth Graduate School of Business at the University of Chicago, and a Ph.D. from Illinois Institute of Technology. He has been involved with ICSM since the first Software Maintenance Workshop in 1983.

Panos Linos is a tenured professor of computer science and software engineering at Butler University and an adjunct professor at Indiana University Purdue University at Indianapolis (IUPUI). Before that he was a tenured professor and the chairperson of the computer science department at Tennessee Technological University. He teaches courses on software engineering, object-oriented design and patterns, software testing, quality assurance, and the management of software development. He has co-founded the Engineering Projects in Community Service (EPICS) program and the Center for Applied Software Engineering Research (CeASER) at Butler University. His latest research activities focus on the modernization of legacy applications using Service Oriented Architectures (SOA), as well as on metrics tools for the
comprehension and reengineering of multi-language software. He has been involved in ICSM since the 1980s as an author, speaker, panelist, steering and program committee member, general chair and has taken various other organizational roles. He was General Chair for ICSM 2004.

**Hausi Müller** is a Professor in the Department of Computer Science, and Associate Dean for Research in the Faculty of Engineering, at the University of Victoria. He was the founding Director of the Bachelor of Software Engineering program at UVic. He is a Visiting Scientist at IBM CAS, CA Labs, and the SEI. For over a decade he has been a principal investigator and Chair of the Technical Steering Committee of CSER, a Canadian Consortium for Software Engineering Research. In 2006 he received the IBM CAS Faculty Fellow of the Year Award, the CSER Outstanding Leadership Award, and Stevens Citation for his many contributions to the software reverse engineering community. His research interests include software engineering, software evolution, service-oriented architecture (SOA), SOA governance, self-adaptive and self-managing systems, autonomic computing, monitoring and diagnostics, software architecture, reverse engineering, reengineering, program understanding, and visualization. He was Program Chair for ICSM ’94.

**Eleni Stroulia** is a Professor and iCORE Industrial Research Chair on Service Systems Management with the Department of Computing Science at the University of Alberta. She holds M.Sc. and Ph.D. degrees from Georgia Institute of Technology. Her research addresses industrially relevant software-engineering problems with automated methods, based on artificial-intelligence techniques. She has developed techniques for migrating legacy interfaces to Web-based front ends, and for supporting the design evolution of object-oriented software. Her recent work has been on various facets of service-oriented applications, and on examining the role of Web 2.0 tools and virtual worlds in offering innovative health-care services. She serves on the editorial board of the *Computational Intelligence Journal* and on the NSERC Discovery Grant adjudication committee 330 (2006-2008). She was the Program Co-Chair for the Canadian AI in 2001, WCRE in 2003 and 2004, CASCON 2006, and ICPC 2007. She is the General Chair for ICSM 2009.

**Lee White** received his BSEE degree from the University of Cincinnati in 1962, and the MSc and PhD in Computer Engineering (ECE) from the University of Michigan in 1963 and 1967, respectively. He served as faculty and Chair in Computer Science departments at the Ohio State University, the University of Alberta, and Case Western Reserve University, and presently is an Emeritus Professor at CWRU. His primary research interest is in software testing. He served as American Editor of the Journal of Software Testing, Verification and Reliability (STVR) from 1994-2006. He has published papers in regression testing, GUI testing, and most recently, testing of real-time systems. He has advised 20 PhD students to completion, and consulted for a number of industrial companies, including IBM, US Steel, General Electric, Monsanto, and Lockheed. He was General Chair for ICSM ’94 and Program Chair for ICSM’99.

### 3. Moderator

**Scott Tilley** is Professor & Director of Software Engineering in the Department of Computer Sciences at the Florida Institute of Technology. He also holds a cross-appointment in the College of Business as a Professor of Management Information Systems. He is a Visiting Scientist at Carnegie Mellon University’s Software Engineering Institute, working on Service-Oriented Architecture (SOA). He is Chair of the Steering Committee for the IEEE Web Systems Evolution (WSE) series of events, and the immediate Past Chair of the ACM’s Special Interest Group on Design of Communication (SIGDOC). He was General Chair for the 24th *IEEE International Conference on Software Maintenance* (ICSM 2008), which took place in Beijing, China.