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- Web-Based and Internet Technologies
- Wireless Systems
- Testing Techniques
- Software Reuse, Requirement and Quality Prediction
- Systems Techniques for Communication Networks
- Application-Specific Modeling and Evaluation Techniques
- Specialized Systems and Software Engineering Techniques

This year we adopted an online web-based submission tracking and review toolset called START to streamline the paper submission and reviewing process. Because of this streamlined process, we have been able to assign at least 3 to 4 program committee members to review each paper. We take this opportunity to thank the 38 program committee members, who served very dedicatedly in soliciting papers, returning review results on time, and selecting papers to be included in the final program.

ASSET 2000 offers two keynote speakers, Raymond Paul from DoD and Fred Bootsma from Nortel. Raymond Paul discusses his experiences working in the field of information technology for DoD and advocates the concept of a global information grid. Fred Bootsma discusses how to obtain accurate estimates in a real-time software environment using full function points at Nortel, with the objective to drive strategic business improvement. His keynote gives insight on key technologies that have enabled Nortel Networks project teams to more completely scope the functional size of real-time software projects and to produce early, accurate development estimates more consistently.

This year we have two excellent panels. The first panel is organized by Farokh Bastani, with the title “Software Engineering—Challenges and Techniques,” and 5 panel members from academia, government, and industry joining him to discuss challenges facing software engineers in their respective application domains and possible solution techniques used in practice. The second panel, “Software Reuse in Practice,” is organized by William Frakes, chair of IEEE Computer Society Technical Committee on Software Reuse. Two panel members from industry and one panel member from academia are invited to join him to debate on the question of if and how software reuse can be practically employed in large-scale systems. The panel reveals possible solutions and suggests future research and development directions toward realizing these solutions.

This year’s program is guaranteed to be exciting and informative for researchers and practitioners interested in application-specific systems and software engineering solutions applicable to a wide range of applications. We look forward to seeing you all at Richardson, Texas, for this exciting conference.

Ing-Ray Chen  
Virginia Tech

Francesco Masetti  
Alcatel

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