Welcome to The Second IEEE Symposium on Application-Specific Systems and Software Engineering & Technology (ASSETP9). Recognizing the need to bring together researchers and practitioners for the design of reliable complex systems, the conference has been sponsored by the IEEE Computer Society and the Center for Application Specific System and Software Engineering at UT Dallas. The Richardson “Telecom Corridor” is an ideal venue for this conference because of the large concentration of corporations designing complex software-based systems, and the proximity of the UT Dallas center.

This year’s program is organized into 4 days. The first two days, Wednesday and Thursday contain tutorials. Papers and panels are presented on Friday and Saturday. The panels are being held at a separate time from the papers so that everyone is able to attend. Two receptions are planned, one immediately after a tutorial session, and the other immediately after the paper session. These will allow you the opportunity to meet with the authors and your colleagues without too late a stay in the evening.

Experts in their field will present four tutorials. Full-day tutorials on Voice over IP and Object Oriented Design & Analysis will provide in-depth treatment of timely and important material. Half-day tutorials on Software Reliability in Practice and the Next Generation Internet will provide a comprehensive review and update of these relevant topics.

The technical program committee based on quality and relevance to the conference has reviewed and selected 40 papers from those submitted. The authors of these papers represent a broad academic and industrial segment of the software and systems engineering disciplines. Friday contains papers on Network, Software, and System Engineering, Security, Highly Available Systems, Multimedia, and Application-Specific systems. Saturday covers papers on Software Reliability, Software Engineering, the State-of-the-Industry, and Software and System Tools.

Four panels will discuss various viewpoints on software and system reliability, the future of the Internet, software and systems engineering using commercial off-the-shelf components, and electronic commerce.

We would like to thank the Asset99 organization committee for their substantial efforts to bring together this program, each has dedicated a significant amount of time to the conference. On behalf of the conference committee, we are pleased to welcome you to the ASSET’99 conference. We hope that you find the material to be useful, and that you are able to make the most of this opportunity to learn about new technologies and techniques.

William Osborne
Conference Co-Chair

Tom McDermott
Conference Co-Chair