Welcome to COMPSAC 2006! On behalf of the organizing and program committees, we enthusiastically welcome you to Chicago, USA, to attend the 30th Annual International Computer Software and Applications Conference (COMPSAC). Beginning 2006, COMPSAC is designated as the IEEE Computer Society Signature Conference on Software Technology and Applications. COMPSAC is a major international forum for researchers, practitioners, managers, and policy makers interested in computer software and applications. It was first held in Chicago in 1977, and has since been a major forum for academia, industry, and government to discuss state of the art, new advances, and future trends in software technologies and practices.

COMPSAC 2006 is celebrating the 60th Anniversary of IEEE Computer Society! COMPSAC 2006 is co-located with the 2006 IEEE International Conference on Web Services (ICWS 2006) and the 2006 IEEE International Conference on Services Computing (SCC 2006).

The technical theme for the 30th conference is Highly Dependable and Secure Software. This year we received 184 submissions internationally from academia, government and industrial sectors. Each paper was reviewed by at least three reviewers to evaluate its technical content and suitability to the conference theme. After a rigorous peer review process, 54 regular papers and 30 short papers have been selected for presentation and included in the conference proceedings. We also selected 6 fast abstracts and 9 doctoral symposium papers to appear in the final technical program. These papers span a wide range of topics in Computer Applications and Software Engineering.

The technical program includes four keynote addresses, one plenary panel and six panel discussions, covering the state of the art in Just Enough Requirements Traceability, E-security, Granular Computing and Web Intelligence, Future Trends of Software Technology and Applications, Global software engineering projects and how to prepare our students, Trustworthy computing, Software Engineering future from perspective of USA, Europe, India and Asia, and the research community, and Ethics. It also includes the following five workshops.

- The Third International Workshop on Software Cybernetics (IWSC’06)
- The Third International Workshop on Quality Assurance and Testing Web-Based Applications (QATWBA’06)
- Security, Privacy, and Trust for Pervasive Applications (SPTPA 2006)
We take this opportunity to thank members of the Program Committee (PC) who served in this important position to solicit papers, review papers, participate in the PC program discussions and select papers for the final technical program. Throughout last year, we have built a strong friendship among the PC members and enjoyed working with each one of them. Special thanks are extended to Professor Carl Chang for his enthusiastic contribution to the entire technical program development process and for his serving as the Standing Committee Chair. He also provided his strongest support for organizing the PC program committee meetings that was held at Iowa State University. We also thank all the keynote speakers, panelists and authors for their contribution to the exciting technical program in COMPSAC 2006. Thanks also to the COMPSAC 2006 student staff in the Department of Computer Science at Iowa State University for their hard work-- often in the background.

Program Co-Chairs
COMPSAC 2006

Aditya Mathur       Johnny Wong