Software Technology Track

Welcome to the Software Technology Track of HICSS-33 and welcome to Hawaii.

There is no doubt that the growth and maturation of the Internet have created the need for new technologies and applications to allow users and application developers to harness its potential. The software technology has been going through a number of revolutionary changes in recent years, resulting in a rich body of exciting ideas, solutions, and paradigm shifts. The collection of papers published in this volume is a representation of the most recent research in software technology. We hope that presentations of these papers provide a forum for the exchange of the most important and timely ideas.

The papers are organized in nine minitracks, which were selected by the track advisory committee. One minitrack on mobile computing and wireless networks tackles problems in routing, mobility in ATM networks, wireless LANs, quality of service, information retrieval, and applications. Three minitracks provide clusters of papers in the software engineering area: software component engineering, software engineering tools, and software testing as it pertains to distributed systems. Two minitracks cover emerging application areas: electronic commerce and trading intangible goods such as software, information, and tele-services. The remaining minitracks address issues in multimedia, multiagents, and embedded systems tools. The multimedia minitrack discusses new trends in multimedia server technologies and multimedia applications. The minitrack on multiagents focuses on multiagent systems as they apply to the Internet infrastructure and to internet-based applications. The focus of the embedded systems minitrack is on tools for design, optimizing compilers, debuggers, among others. On the following pages, coordinators of each minitrack provide a summary and overview of their minitrack papers.

We wish to express our thanks and appreciation to the advisory committee members and to the minitrack coordinators who have worked hard to make the software track a success. We also would like to extend our special thanks to the many reviewers who provided valuable insight and comments.

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