Foreword

Welcome to the 11th IEEE International Requirements Engineering Conference in beautiful Monterey Bay! As we are entering the second decade of a series of requirements engineering conferences and symposia that started in 1993 in San Diego (USA), requirements engineering turns out to be a critical success factor in systems engineering in general, and in software engineering in particular. Today, networked business and ubiquitous computing are only two of the major current developments that place a high premium on the close alignment of software-intensive systems and the needs and expectations of their environment. The 11th IEEE International Requirements Engineering conference (RE'03) offers an high-quality program of technical and industrial achievements that appeals to practicing professionals as well as researchers who want to keep abreast of current developments in this exciting area.

The RE'03 programme features 3 keynote talks, 25 technical papers and 15 industrial talks, 3 minitutorials, 2 panels, and 14 posters and research demos that present the latest results in requirements engineering research and practice. It is complemented by an industrial tool exhibition, 6 tutorials and 5 workshops on current topics of high interest and a doctoral symposium for a fresh breed of young researchers in the area.

The three keynote speakers jointly illustrate the close interweaving of business and software. Vint Cerf (Senior Vice President for Architecture and Technology, MCI), one of the founders of the Internet, discusses the salient requirements that had to be satisfied by Arpanet and then by Internet. Steve Lipner (Director of Security Assurance, Microsoft), talks about effective ways to meet security requirements in the age of the Internet. Heinz Stoewer (President, Space Associates, and President Elect, INCOSE) discusses developments in modern systems engineering that are a driving force for industrial competitivity. These keynote speakers will present a broad spectrum of issues in requirements engineering in a networked world.

The technical program consists of 25 high quality presentations about requirements evolution, requirements for business systems, combining formal and informal requirements specification techniques, goal-driven requirements engineering, making formal specification techniques usable, requirements elicitation, and requirements prioritization and negotiation. It is supplemented by three minitutorials about ontology development, scenario-based requirements engineering, and QFD for customer-centered requirements engineering. Late-breaking results are presented in two posters and research tool demo sessions. Two panels discuss topics that cross the bridge between research and practice: One panel discusses the relation between marketing and requirements engineering, and another panel discusses making a business case for the introduction of requirements engineering in practice.

The industry track contains presentations by industry practicitioners about requirements analysis, requirements gathering, metrics and measurement, the state of the practice, and testing and traceability. In addition, tool vendors will present their tools in a separate exhibitor's track. All in all, we have a diverse program that contains elements of interest to researchers as well as practitioners.

The technical program is preceded by two days of tutorials and workshops, and a doctoral symposium where doctoral students can present their research ideas to a panel of specialists.

The organization of this conference is an example of a network form of coordination in which many people, who all have many other things to do, put in their spare time and best efforts to produce a joint result. The organizers of RE'03 were at 16 different organizations spread out on 5 different continents. Thanks are due to the PC members who reviewed at least 9 papers each, engaged in on-line discussion of papers, and attended a two-day PC meeting at the University of Twente. Thanks are also due to the additional reviewers, who assisted PC members in their job. Thanks to the organizing committee and track chairs for an outstanding job of organizing individual components of the programme. Pascal van Eck designed the proceedings cover. Dan Berry, Michael Goedicke and Pascal van Eck all helped with the production of graphical material for publicity. We also thank Danielle Martin and the staff at IEEE CS Press for their support in various stages of the preparation of the conference.

Our efforts will be rewarded if you enjoy RE'03. We look forward to seeing you again at RE'04 in Kyoto, Japan!

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