Welcome to the 2003 IEEE International Conference on Software — Science, Technology & Engineering. On behalf of the Organizing Committee, the Program Committee, and the Publicity Committee, we thank you for coming to SwSTE’03, and hope that you will enjoy the outstanding technical program and social events, as well as Tel Aviv, “The City That Never Stops.”

This conference is cosponsored by the Israeli Chapter of the IEEE Computer Society and by ILTAM — Israeli Users’ Association of Advanced Technologies in the Electronics Industry. We warmly thank both our sponsors.

The conference has many components: keynote address, tutorials, two panel discussions, and five parallel tracks: two tracks of technical papers, the industrial track, the poster track, and the doctoral symposium track.

The conference will be opened with a keynote address by Phillippe Kruchten, of Rational (now IBM). The subject of his talk is “Putting the ‘Engineering’ into ‘Software Engineering’.”

The Program Committee received 36 technical papers. The authors of the papers, who work in both industry and academia, live in Canada, China, Finland, Germany, Israel, Luxembourg, Sweden, and the United States. We were especially pleased to find that the papers collectively addressed all 15 topics listed in the Call for Papers. The broad spectrum of expertise of the authors is reflected in the range of papers to be presented at this conference.

The papers were rigorously reviewed by the members of the Program Committee, as well as by additional reviewers. In all, 42 reviewers and program committee members submitted 105 reviews. After considerable debate, 17 papers were selected for publication and presentation at SwSTE’03. We congratulate the accepted authors on their excellent papers, and we thank the reviewers for their thoughtful analyses of the papers.

“Improvement in Competitive Capabilities of the Israeli Software Industry” is the theme of the industrial track. That is, the industrial track presentations describe best practices in the industry for achieving global success. Eighteen industrial track abstracts were received and seven were selected for presentation. In addition, Ken Jackson of Telelogic will present an invited address.

The topic of the first panel discussion, chaired by Micky Rodeh, is “From Local to Global Software Companies.” The panel members, industry executives and senior managers, will focus on successful software companies that were started in Israel and are now global.

The second panel is a round-table discussion organized by Gil Taran of SEI. The topic is “Software Education in Israel.” Panelists include prominent academics and industry leaders.

The poster presentations come in two groups: five posters with robots from high-school students and six posters from college and university students.

The all-day doctoral symposium, chaired by Catriel Beeri, features presentations by Ph.D. students. A panel of academics will critique the presentations.
The success of a conference depends on many individuals. We should like to thank the members of the Organizing Committee for their many contributions. The Program Committee members worked diligently under tight schedules to ensure that the best papers were selected. We thank Natan Barak and the members of the Industrial Committee for the efficient way they organized the Industrial Track. The poster sessions were organized by Iaakov Exman (college and university posters) and Eli Tycher (high-school posters) and we thank them both warmly. Particular thanks go to the members of the Conference Secretariat and especially Laurence Slama who went to considerable trouble to make certain that everyone had copies of all the documents he or she needed.

We thank Randall Bilof of the IEEE Computer Society staff for handling the production of these proceedings.

Finally, we would like to express our gratitude to the authors who submitted technical papers, industrial abstracts, and posters. Without you, this conference would not have been possible.

Michael Rodeh
General Chair

Leah Goldin
Chair, Organizing Committee

Amir Tomer
Cochair, Program Committee

Stephen R. Schach
Cochair, Program Committee

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