1999 11th IEEE International Conference on Tools with Artificial Intelligence

TP18-53
T671.2
1999

Proceedings

11th IEEE International Conference on Tools with Artificial Intelligence

November 9–11, 1999
Chicago, Illinois

Sponsored by
IEEE Computer Society

In cooperation with
AAAI Society
Virtual Intelligence Task Force
BU-CIS Center

Los Alamitos, California
Washington · Brussels · Tokyo

E200000611

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ISBN: 0-7695-0456-6 (Softbound)
ISBN: 0-7803-5959-3 (Casebound)
ISBN: 0-7695-0458-2 (Microfiche)
ISSN: 1082-3409
PR0456

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Editorial production by Danielle C. Martin

Cover art design by Joseph Daigle/Studio Productions

Printed in the United States of America by The Printing House

Proceedings

11th IEEE International Conference on Tools with Artificial Intelligence

Message from the General Chair

On behalf of the ICTAI'99 chairs and committees, I welcome you to the Eleventh IEEE International Conference on Tools with Artificial Intelligence (ICTAI'99). I hope that this meeting will be prolific and challenging for your future research activities.

The ICTAI meeting offers the opportunity to researchers, scientists and practitioners to exchange knowledge and ideas by promoting AI methodologies and tools for problems solving.

I would like to express my great appreciation to those that made this meeting possible and successful. In particular, I would like to thank the ICTAI'99 Program Chair, the Vice Program Chairs and all the ICTAI'99 Committees for their huge voluntary work, the IEEE Computer Society staff that always patiently work to make this conference a successful event, and all the other Organizations for their contributions.

Once again, welcome to ICTAI'99.

Farokh Bastani
ICTAI'99 General Chair

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Message from the Program Chair

The Eleventh IEEE International Conference on Tools with Artificial Intelligence continues to be an important international forum for the presentation and discussion of experiences/ideas relating to artificial intelligence. As the society advances in the information age, AI tools are becoming more important and relevant than ever. ICTAI'99 focuses on both the theory, and the development, implementation, and evaluation of theoretical and applied frameworks that may serve as tools for developing intelligent systems and pursuing AI applications.

This year, we received a total of 94 full paper submissions by authors from more than 20 countries all over the world. Almost all papers were reviewed by three reviewers. During a meeting of the program committee on July 22, 1999, 33 of the 94 papers were selected as full papers for presentation at the conference and for inclusion into the proceedings.

Each full paper has 8 pages in the proceedings. The acceptance rate for full papers is approximately 35%. In addition, 24 papers were selected as short papers. Each short paper has 4 pages maximum in the proceedings. We also invited 6 papers from excellent researchers. Three keynote speeches will be given by three distinguished speakers.

The program also features a panel on "The Role and Impact of Intelligent Agents in the Internet".

Many individuals have contributed to the technical program. First of all, I would like to thank all of the authors for submitting their papers to this conference. I am very grateful to all of the program vice chairs as well as to all of the members of the program committee for soliciting papers and for providing timely reviews for all submitted papers. My gratitude also goes to many external reviewers who helped us review a large number of papers.

I enjoyed working with Professor Farokh Bastani, the General Chair of ICTAI'99, during the long journey of preparing the program. I am deeply grateful to Professor Nikolaos Bourbakis, the Chair of the Steering Committee, for his good guidance and many invaluable suggestions. I would like to extend my special thanks to Professor Jeffrey Tsai for advising me on forming the program committee. I would also like to thank Mr. Zonghuan Wu, the Publicity Chair, for maintaining the home page of ICTAI'99 and for publicizing the conference. Finally, thanks are due to Danielle Martin of IEEE Press who worked hard to make sure that the proceedings would be ready for the conference.

Weiyi Meng
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