Message from the Program Chair

This volume contains the papers accepted for the Thirteenth IEEE International Conference on Tools with Artificial Intelligence. The Program Committee selected 44 papers out of 86 submitted. The only criterion on which the papers were selected was quality of research reported.

The papers cover a broad range of AI topics: multi-agents and distributed AI (7), reasoning (7), planning (3), machine learning (6), data mining (3), natural language processing (6), AI in software engineering (3), genetic algorithms (3), constraint satisfaction (3), and applications (3).

Many computer systems incorporate AI techniques, thus becoming more and more intelligent. We see multi-agent systems able to reason and function in real-world applications, natural language processing techniques that help curb the information explosion, data mining methods that extract useful information from large databases, and other tools that use AI techniques. As companies struggle to become more efficient and competitive, they look toward AI as a mean to build smarter computer systems.

This is truly an international conference as papers came from all over the world. Four distinguished speakers have agreed to give plenary talks. The high quality of papers coupled with the broad international participation and ample time for presentations and discussions are likely to make this event an exciting conference.

The Program Committee members have worked under a tight schedule to review and select the best papers and they deserve our gratitude. I would also like to thank all the TAI committees and the IEEE Computer Society staff that made this proceedings and conference possible. I also wish to acknowledge the hard work and diligence of Roxana Girju who has assisted me with the conference organization.

Dan Moldovan
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