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# Advances in Artificial Intelligence

22nd Canadian Conference  
on Artificial Intelligence, Canadian AI 2009  
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Proceedings

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# Preface

This volume contains the papers presented at the 22nd Canadian Conference on Artificial Intelligence (AI 2009). The conference was held in Kelowna, British Columbia, during May 25-27, 2009, and was collocated with the 35th Canadian Graphical Interface Conference and the 6th Canadian Conference on Computer and Robot Vision.

The Program Committee received 63 submissions from across Canada and around the world. Each submission was assigned to three reviewers. The Program Committee selected 15 regular papers each of which was allocated 12 pages in the proceedings and a 30-minute presentation at the conference. We accepted 21 short papers among which two were withdrawn by the authors. Each short paper was allocated 4 pages in the proceedings, and was presented as a poster plus a 15-minute brief talk. Also included in the proceedings are eight student abstracts presented at the Graduate Student Symposium.

The conference program featured three keynote presentations by Evgeniy Gabrilovich (Yahoo Research), Alan Mackworth (University of British Columbia), and Jonathan Schaeffer (University of Alberta). The one-page abstracts of their talks are also included in the proceedings.

Two pre-conference symposiums, each with their own proceedings, were held on May 24, 2009. The Second Canadian Semantic Web Working Symposium was organized by Weichang Du and Harold Boley. The International Symposium on Teaching AI in Computing and Information Technology was organized by Sajid Hussain and Danny Silver.

This conference would not have been possible without the hard work of many people. We would like to thank all Program Committee members and external referees for their effort in providing high-quality reviews on time. We thank all authors who submitted their work to this conference. Many thanks to Maria Fernanda Caropreso and Svetlana Kiritchenko for their effort in putting together an excellent program for the Graduate Student Symposium.

We are in debt to Andrei Voronkov for developing the EasyChair conference management system and making it freely available to the academic world.

The conference was sponsored by the Canadian Artificial Intelligence Association (CAIAC), and we thank the CAIAC Executive Committee for the constant support. We would like to express our gratitude to Yves Lucet, the AI/GI/CRV General Chair, and the local Organizing Chairs for their excellent work that made the three joint events AI 2009, GI 2009, and CVR 2009 an enjoyable experience. We also thank Jan Paseska for helping us collect the copyright forms.

March 2009

Yong Gao  
Nathalie Japkowicz



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