

Lecture Notes in Artificial Intelligence

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Marie-Jean Meurs · Frank Rudzicz (Eds.)

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Preface

We are pleased to assemble the papers presented at Canadian AI 2019: the 32nd Canadian Conference on Artificial Intelligence held May 28–31, 2019, at Queen’s University in Kingston, Ontario. Canadian AI is an event organized by the Canadian Artificial Intelligence Association, and is collocated with the Canadian Graphics Interface and the Computer and Robot Vision conferences. These events (AI-GI-CRV 2019) bring together hundreds of leaders in research, industry, and government, as well as Canada’s most accomplished students. This volume showcases Canada’s ingenuity, innovation, and leadership in artificial intelligence research.

There were 132 submissions, representing an increase of 183% over 2018, undoubtedly reflecting the accelerating interest in artificial intelligence in Canada. We ran a double-blind review process, where each valid submission was reviewed by at least two Program Committee members. Based on the recommendations of the committee members, 27 submissions were accepted as long papers (20%) and 34 submissions as short papers (26%). In addition, the program included eight papers presented at the Graduate Student Symposium, chaired by Colin Bellinger and Elnaz Davoodi, which ran an independent review process, and four papers in the Industry Track, chaired by Eric Charton. We thank Colin, Elnaz, and Eric for organizing these sessions and for chairing the review processes.

We also thank all members of the Program Committee, and the external reviewers of the main conference, the Graduate Student Symposium, and the Industry Track reviewers, for their time and effort in providing valuable reviews in a timely manner. We thank all the authors for submitting their contributions and the authors of accepted papers for preparing the final version of their papers and presenting their work at the conference.

The conference was enriched by four keynote speakers, who are leaders in the field from academia and industry: Sven Dickinson (University of Toronto; Samsung AI Research), Chad Gaffield (University of Ottawa), Nancy Ide (Vassar College), and Maite Taboada (Simon Fraser University). We are grateful to them for their time and participation in this event.

The Canadian Conference on Artificial Intelligence is sponsored by the Canadian Artificial Intelligence Association (CAIAC). We especially thank and acknowledge the work of the executive committee of CAIAC, Ziad Kobti, Leila Kosseim, Xin Wang, Marina Sokolova, and Cory Butz, whose guidance was indispensable. We also thank Fabrizio Gotti, who designed and maintained the conference website with the utmost efficiency. We are grateful to Michael Greenspan, the general chair of AI/GI/CRV 2019, for his help with the organization of the broader conference.

Finally, we thank our financial sponsors, including Springer, the Vector Institute, HumanIA, and Layer6.

March 2018

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