Welcome to AI Matters 5(1)

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Issue overview

Welcome to the first issue of the fifth volume of the AI Matters Newsletter! This issue opens with some news on a new SIGAI Student Travel Scholarship where we aim to encourage students from traditionally underrepresented geographic locations to apply and attend SIGAI supported events. We also summarize the fourth AAAI/ACM SIGAI Job Fair, which continues to grow with the increasing popularity of AI. In our interview series, Marion Neumann interviews Tom Dietterich, an Emeritus Professor at Oregon State University and one of the pioneers in Machine Learning.

In our regular columns, we have a summary of recent and upcoming AI conferences and events from Michael Rovatsos. Our educational column this issue is dedicated to "biductive computing", one of Prolog's most distinctive features. Larry Medsker's policy column summarizes several policy aspects relevant to the SIGAI community worldwide, including a recent executive order for "Maintaining American Leadership In Artificial Intelligence" and a summary of policy views on AI by Wolfgang Wahlster, CEO and Scientific Director of the German Research Center for AI.

We have two paper contributions for this issue. The first paper is a continuation of the discussion of an AI "cosmology" by our contributing editors Cameron Hughes and Tracey Hughes. The second paper proposes Experiential AI as a new research agenda by a multidisciplinary set of researchers including both artists and scientists. The writers come from University of Edinburgh and Herriot Watt University.

We close by bringing back our popular entertainment/humor column with an AI generated crossword puzzle by Adi Botea. We aim to have this feature regularly now and we will publish the solution in the following issue.

Finally, we would like to congratulate Yoshua Bengio, Geoffrey Hinton, and Yann LeCun on receiving the 2018 ACM A.M. Turing Award!

Submit to AI Matters!

Thanks for reading! Don't forget to send your ideas and future submissions to *AI Matters*! We're accepting articles and announcements now for the next issue. Details on the submission process are available at http://sigai.acm.org/aimatters.

Amy McGovern is co-editor of AI Matters. She is a Professor of computer science at the University of Oklahoma and an adjunct Professor of meteorology. She directs the Interaction, Discovery, Exploration and Adaptation (IDEA) lab. Her research focuses on machine learning and data mining with applications to high-impact weather.

Iolanda Leite is co-editor of AI Matters. She is an Assistant Professor at the School of Electrical Engineering and Computer Science at the KTH Royal Institute of Technology in Sweden. Her research interests are in the areas of Human-Robot Interaction and Artificial Intelligence. She aims to develop autonomous socially intelligent robots that can assist people over long periods of time.