Welcome to AI Matters 4(4)

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DOI: 10.1145/3299758.3299759

Welcome to our new co-editor!

Welcome to the fourth issue of the fourth volume of the AI Matters Newsletter! Our biggest news is that we would like to extend a big welcome to our new co-editor! Iolanda Leite is an Assistant Professor at the School of Computer Science and Electrical Engineering at the KTH Royal Institute of Technology in Sweden. Iolanda is excited to join the AI Matters team and to help to continue to grow the newsletter for ACM SIGAI. She is also our guest for the interview this month so please go to our interview and learn more about our new co-editor!

Announcements

Joint AAAI/ACM SIGAI Doctoral Dissertation Award

The Special Interest Group on Artificial Intelligence of the Association for Computing Machinery (ACM SIGAI) and the Association for the Advancement of Artificial Intelligence (AAAI) are happy to announce that they have established the Joint AAAI/ACM SIGAI Doctoral Dissertation Award to recognize and encourage superior research and writing by doctoral candidates in artificial intelligence. This annual award is presented at the AAAI Conference on Artificial Intelligence in the form of a certificate and is accompanied by the option to present the dissertation at the AAAI conference as well as to submit one 6-page summary for both the AAAI proceedings and the newsletter of ACM SIGAI. Up to two Honorable Mentions may also be awarded, also with the option to present their dissertations at the AAAI conference as well as submit one 6-page summary for both the AAAI proceedings and the newsletter of ACM SIGAI. The award will be presented for the first time at the AAAI conference in 2020 for dissertations that have been successfully defended (but not necessarily finalized) between October 1, 2018

and September 30, 2019. Nominations are welcome from any country, but only English language versions will be accepted. Only one nomination may be submitted per Ph.D. granting institution, including large universities. Dissertations will be reviewed for relevance to artificial intelligence, technical depth and significance of the research contribution, potential impact on theory and practice, and quality of presentation. The details of the nomination process will be announced in early 2019.

ACM SIGAI Student Essay Contest

The ACM Special Interest Group on Artificial Intelligence (ACM SIGAI) supports the development and responsible application of Artificial Intelligence (AI) technologies. We therefore invite essay submissions to the 2018 ACM SIGAI Student Essay Contest, to be published in the ACM SIGAI newsletter *AI Matters*, addressing one or both of the following topic areas:

- What requirements, if any, should be imposed on AI systems and technology when interacting with humans who may or may not know that they are interacting with a machine?

- What requirements, if any, should be imposed on AI systems and technology when making decisions that directly affect humans?

Win one of several $500 monetary prizes or a Skype conversation with a leading AI researcher, including Joanna Bryson, Murray Campbell, Eric Horvitz, Peter Norvig, Iyad Rahwan, Francesca Rossi, or Toby Walsh.

The deadline for submissions is January 10th, 2019.

For details, please visit the blog announcement.

*New Conflict of Interest and Retractions Policies

The ACM Publications Board has approved new Conflict of Interest and Retractions policies. Both of these new policies are now posted on ACM's website at:

https://www.acm.org/publications/policies/conflict-of-interest

Issue overview

This issue opens with an interview from Marion Newmann of our new co-editor: Iolanda Leite. We also have a summary of recent AI conferences and events from Michael Rovatsos. Our educational column this issue provides a model AI assignment for teaching ethics in AI focused on autonomous vehicles.

Larry Medsker's policy column summarizes a variety of policy issues of interest to the SIGAI community including the creation of a new Roadmap for Artificial Intelligence, FTC hearings on AI, and recent discussions on how to design AI to be safe as well as issues surrounding legality of AI. He closes with a short discussion of privacy for AI Matters. ACM's agreement with EasyChair specifies that we collect age and gender data and we welcome any discussion on our proposed response to this data collection.

Finally, we close with two paper contributions. The first is a continuation of the discussion of an AI "cosmology" by our contributing editors Cameron Hughes and Tracey Hughes. They propose the idea of epochs of AI in their current article. The second paper discusses the future of AI and how it will affect jobs.

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 Computer Science and Electrical Engineering 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.