



Welcome to AI Matters, Volume 3, Issue 1

Eric Eaton, Co-Editor (University of Pennsylvania; aimatters@sigai.acm.org)

Amy McGovern, Co-Editor (University of Oklahoma; aimatters@sigai.acm.org)

DOI: [10.1145/3054837.3054838](https://doi.org/10.1145/3054837.3054838)

Wow! It's now the third year of *AI Matters*! Time sure flies! As we start the third volume of *AI Matters*, we are continuing the rollout of new features. Over the past few issues, you may recall that we introduced recurring columns on AI Education, AI Amusements, and Profiles of people in AI. These columns are joined by two new columns in this issue: AI Buzzwords Explained, and AI Policy.

The new column **AI Buzzwords Explained** will focus each issue on introducing readers to a current topic in AI, written by an expert in the field. In this issue, the column focuses on the topic of "scientific workflows."

If you visited the new AI Matters blog (<http://sigai.acm.org/ai-matters/>) recently, you may have noticed the posts on current policy issues relating to AI by Larry Medsker, our ACM SIGAI Public Policy Officer. Some recent posts include the Stanford *One Hundred Year Study on Artificial Intelligence*, *AI and Future Employment*, and the interview with Jack Clark of OpenAI on *The Public Policy Implications of AI*. We will be re-printing select posts in *AI Matters* in the new **AI Policy** column, but for the most current updates, be sure to see the AI Matters blog.

In the **AI Education** column this issue, Todd Neller describes open-access resources for AI Education. Although you may be familiar with many of these resources, hopefully it will introduce you to some new resources that you can use to further your own education or recommend to students studying AI.

For the second instance of **AI Spotlight**, we interview Jim Kurose, Assistant Director of the National Science Foundation (NSF) for the Directorate for Computer and Information Science and Engineering (CISE). We will continue to interview people involved in all aspects of AI, including academia, industry, and government, and we welcome suggestions for the next person you would like us to interview.

Copyright © 2017 by the author(s).

This issue includes the final set of **abstracts of recent AI doctoral theses**, continuing this feature from our previous issue. Although we've finished the special issues on doctoral abstracts, we invite students to continue to submit abstracts to appear in future issues.

We've made a few other minor changes to bring us into volume 3 of *AI Matters*, including new icons to help you identify the topic of each article. We have also synchronized the volume with the calendar year, and introduced many improvements behind the scenes to help us continue to scale.

Thanks for reading! Don't forget to send your ideas and future submissions to *AI Matters*!



Eric Eaton is a Co-Editor of AI Matters. He is a faculty member at the University of Pennsylvania in the Department of Computer and Information Science, and in the General Robotics, Automation, Sensing, and Perception (GRASP) lab. His research is in machine

learning and AI, with applications to robotics, sustainability, and medicine.



Amy McGovern is a Co-Editor of AI Matters. She is an Associate Professor of computer science at the University of Oklahoma and an adjunct associate professor of meteorology. She directs the Interaction, Discovery, Exploration and Adaptation (IDEA) lab. Her re-

search focuses on machine learning and data mining with applications to high-impact weather.