



Welcome to AI Matters 5(4)

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Issue overview

Welcome to the fourth issue of the fifth volume of the AI Matters Newsletter.

This issue is full of great new articles and stories! In our regular articles, we open with an event report by Louise Dennis on recent conferences relevant to SIGAI organized around the world. Louise Dennis then provides a summary of upcoming AI events. In the policy column, Larry Medsker covers recent policies on national strategy for AI laid down by the U.S. government, implications of AI on workplace transitions, President Trump's executive order on re-establishing the President's Council of Advisors on Science and Technology (PCAST), and more. Our final regular column is our AI crosswords from Adi Botea. Enjoy!

We have three contributed articles in our current issue. In the first article, Sharad Sinha and Clint George provide a summary of the events and activities of a recent workshop conducted in India on AI for high school students. In the second article, Trevor Watkins describes the Cosmology of Artificial Intelligence Project (CAIP) that uses innovative visualization techniques to present the evolution of the field of AI. In the third article, Virginia Dignum discusses how AI is progressively trending to become a multi-disciplinary field of research and the implications of this trend on the future of AI.

Special Issue: AI For Social Good

Recognizing the potential of AI in solving some of the most pressing challenges facing our society, we are excited to announce that the next Newsletter of AI Matters will be a special issue on the theme of "AI for Social Good." We solicit articles that discuss how AI applications and/or innovations have resulted in a meaningful impact on a societally relevant problem, including problems in the domains of health, agriculture, environmental sustainability, ecological forecasting, urban planning, climate science, education, social welfare and justice, ethics and privacy, and assistive technology for people with disabilities. We also encourage submissions on emerging problems where AI advances have the potential to influence a transformative change, and perspective articles that highlight the challenges faced by current standards of AI to have a societal impact and opportunities for future research in this area. More details to be coming soon on <http://sigai.acm.org/aimatters>. Please get in touch with us if you have any questions!

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.



Anuj Karpatne is co-editor of AI Matters. He is an Assistant Professor in the Department of Computer Science at Virginia Polytechnic Institute and State University (Virginia Tech). He leads the Physics-Guided Machine

Learning (PGML) Lab at Virginia Tech, where he develops novel ways of integrating scientific knowledge (or physics) with machine learning methods to accelerate scientific discovery from data.