Welcome to AI Matters 6(3)

Iolanda Leite, co-editor (Royal Institute of Technology (KTH); aimatters@sigai.acm.org)
Anuj Karpatne, co-editor (Virginia Tech; aimatters@sigai.acm.org)

Issue overview

Welcome to the last issue of this year's AI Matters Newsletter!

We start with a report on upcoming SIGAI Events and Conference reports by Louise Dennis, our conference coordination officer. In our regular Education column, Todd Neller introduces the next AAAI/EAAI-2022 mentored undergraduate research challenge: AI-Assisted Game Design (AIAGD). We then bring you our regular Policy column, where Larry Medsker covers ongoing discussions on AI policy, this time with a special focus on Europe and the US.

Finally, we close with two article contributions. The first article is by our former co-editor in chief Amy McGovern, about a newly established NSF-funded AI Institute for Research on Trustworthy AI in Weather, Climate, and Coastal Oceanography that she now directs. The second paper discusses the very timely topic of ways that AI can aid students in post-secondary education.

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.

Iolanda Leite is co-editor of AI Matters. She is an Associate 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.