



AI for the Research Ecosystem

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AI is rapidly evolving and significantly impacting the entire research ecosystem. The most recent technologies, such as deep learning and large language models, are poised to transform every aspect of the research process. These include study design, conducting literature reviews, code design, data collection and analysis, dissemination, peer review, and research assessment.

The “**AI for the Research Ecosystem**” workshop will provide insights from expert speakers at each stage of the research process and will include broad-ranging presentations from a comprehensive range of stakeholders including researchers, research institutions, policy makers and funders, and commercial entities.

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How can all the stakeholders organise to best take advantage of these AI technologies?

Ensuring the research community benefits from these advancements is key. It is essential to identify a strategy that supports researchers in sharing insights, successes, and challenges in implementing AI technologies that can foster a community that learns and grows together.

How do we make sure that these AI technologies are designed and employed in a responsible and ethical manner?

It is essential to establish clear guidelines and ethical standards with regard to responsible and ethical design. This will involve engaging ethicists, policy makers, and researchers in ongoing dialogues to address potential ethical dilemmas and societal impacts.

How do we democratise these AI technologies?

To benefit the entire research community, the opportunities that AI offers should be accessible to everyone, and not restricted to those who can pay for the best tools. Identifying stakeholders who stand to benefit from AI's advancements in research, such as governments, educational institutions, and also private sector entities, can help ensure that these tools remain available to everyone, not just a select few.