

Liebe Mitglieder, Freunde und Förderer des Universitätsclubs,

zu dem folgenden Vortrag lade ich Sie in Kooperation mit der Deutschen Gesellschaft der Humboldtianer (DGH) herzlich in den Uniclub ein:

Dienstag, 24. Januar 2023, 19.00 Uhr - Vortrag (in englischer Sprache) und Diskussion

Prof. Dr. Aimee van Wynsberghe (Institut für Wissenschaft und Ethik, Universität Bonn)

Repairing Artificial Intelligence for Environmental Justice

Nach pandemiebedingter Pause führen wir hier die neue Reihe weiter, in der wir mit der Deutschen Gesellschaft der Humboldtianer (DGH) zusammenarbeiten und Wissenschaftler/innen aus der Region Köln/Bonn, die von der Humboldt Stiftung gefördert werden, zu Vorträgen aus unterschiedlichen Fachgebieten in den Uniclub einladen. Der interdisziplinäre wissenschaftliche Dialog sowie die Verbreitung und Diskussion der Forschungsergebnisse über den engeren Rahmen des jeweiligen Faches hinaus sind die Ziele dieser Reihe, denen der Universitätsclub ebenso wie die Deutsche Gesellschaft der Humboldtianer (DGH) verpflichtet sind.

Hier die Ankündigung von Prof. van Wynsberghe:

Let us imagine that Artificial Intelligence (AI) is broken. Not in the physical sense in which pieces are falling apart and need to be put together; rather, in the metaphorical sense in which there are serious ethical concerns related to the design and development of AI that demand repair. In this talk she will outline a definition of Sustainable AI as an umbrella term to cover two branches with different aims and methods: AI for sustainability vs the sustainability of AI. I will show that AI for sustainability holds great promise but is lacking in one crucial aspect; it fails to account for the environmental impact from the development of AI. Alternatively, the environmental impact of AI training (and tuning) sits at the core of the sustainability of AI, for example measuring carbon emissions and electricity consumption, water and land usage, and regulating the mining of precious minerals. All of these environmental consequences fall on the shoulders of the most marginalized and vulnerable demographics across the globe (e.g. the slave like working conditions in the mining of minerals, the coastal communities susceptible to unpredictable weather conditions). By placing environmental consequences in the centre one is forced to recognize the environmental justice concerns underpinning all AI models. The question then becomes, how can the AI space be repaired to transform current structures and practices that systemically exacerbate environmental justice issues with the consequence of further marginalizing vulnerable groups.



Universitätsclub Bonn



Aimee van Wynsberghe is the Alexander von Humboldt Professor for Applied Ethics of Artificial Intelligence at the University of Bonn in Germany. Aimee is director of the Institute for Science and Ethics and the Bonn Sustainable AI lab. She is co-director of the Foundation for Responsible Robotics and a member of the European Commission's High-Level Expert Group on AI. She is a founding editor for the international peer-reviewed journal AI & Ethics and member of the World Economic Forum's Global Futures Council on Artificial Intelligence and Humanity. She is author of the book Healthcare Robots: Ethics, Design, and Implementation and is regularly interviewed by media outlets. In each of her roles, Aimee works to uncover the ethical risks associated with emerging robotics and AI. Aimee's current research, funded by the Alexander von Humboldt Foundation, brings attention to the sustainability of AI by studying the hidden environmental costs of developing and using AI.

Mit herzlichen Grüßen

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