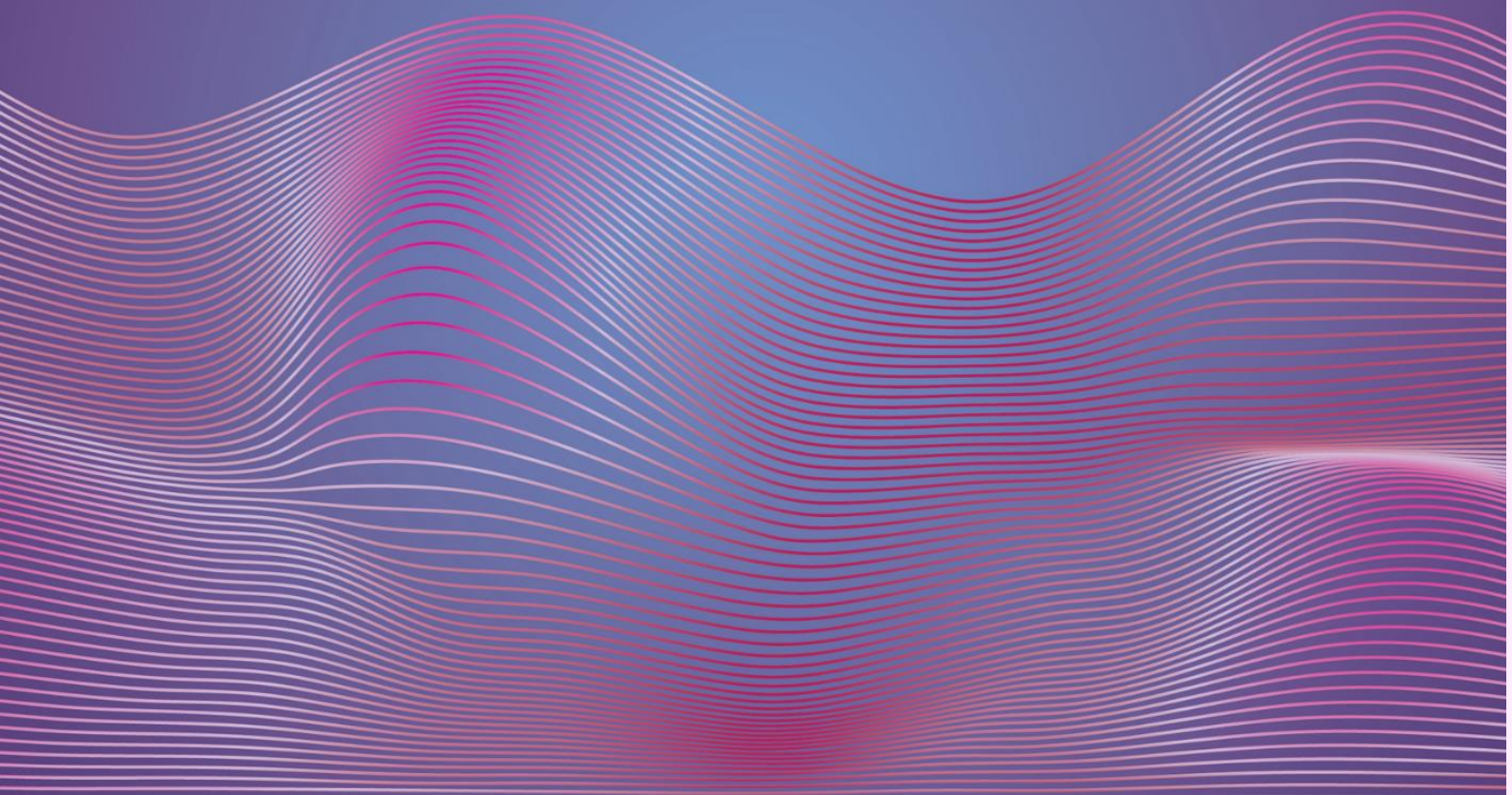# ETHOS LAB

Flipbook

Junior Researcher Program

Georgios Natsios
Where is Ethos in AI Ethics?
JR in 2021 • georgenatsios@hotmail.com

Globally, the problematization of the utilities and the unrestricted development of Artificial Intelligence is becoming more intense. Bias in algorithms, misuses of the technology, disinformation, exclusion of certain groups are a few of the examples that Artificial Intelligence has provoked the last few years. However, Artificial Intelligence is a technological development that may create various benefits for humanity and the environment, in various sectors such as medicine, the future of work, and sustainable development, among others. My project emphasizing the importance of precautions in the process and the essentiality of the ethical development of AI applications.

Rikke Haslund Jønsson
Learning Styles within Universities
JR in 2020-2021 • rihj@itu.dk

On a higher level of education we are told, that we are more responsible for our own learning than ever before, but few learn how to learn based on their own ideal learning method. "Classic blackboard teaching" works for certain people, but might not be ideal for everyone, and therefore not everyone reaches their full potential. My research project will look into how we can optimize this process, with a focus on individual learning. And finally creating a perspective for how one can improve the language learning process, which can be very individual and outdated. This is going to include several smaller and more limited research projects, starting with a look into some of the newer learning methods in use at ITU, such as Python Study group or the NavCom Radio.

Luis Landa
Sustainable computing environments and DIY solutions
JR in 2020-2021 • landa.luis@me.com

This project focused on the intersection of ecology and technology. Taking the internet and how it tends to be conceived in the general imaginary as the focus. The whole IT process behind setting up a server, assembling a power unit, developing a backend and front-end for a website is put through an ecological lens. The blogposts relate to the journey

of getting hands-on with the materiality of digital technology, renewable energy and sustainable design. This includes links to resources for creating your own DIY sustainable computing environment. Additionally, the actual server and power module are present in the lab which will hopefully serve as a space for those wanting to explore a more low-tech and environmentally friendly IT setting.

Casper Frohn
Power Through Hashtags
JR in 2020-2021 • casper.frohn@gmail.com

Being interested in how social media couples with democracy and agenda-setting, I explored the role of hashtags in activism. Based on a concept mapping workshop I conducted in ETHOS Lab, I developed an understanding of activism as encompassing causes, actions, and organization. I then outlined hashtags as mobilizing actor-networks, however also as entailing both enabling and constraining power dynamics. I discussed how some of these dynamics present themselves through potentia
ls of (mis)alignment across social actors, as well as through the programmed prioritization and curation of algorithms. My project led me to inquire into the clash of democratic agenda-setting practices with online platforms governed by private and profit-seeking corporations – ultimately making me ask the question: who are (dis)empowered through hashtags?

Benedict Lang
Perception of technologies within Hackathons
JR in 2020 • benedict.lang@posteo.de

Hackathons are getting a more and more popular event format to work on societal challenges and come up with solutions. This project aims to understand how people perceive technology as a means to solve societal challenges and to understand why technology is chosen over other possible measures.
The hackathon "#wirvsvirus" that was conducted by the German federal government to fight the COVID-19 pandemic will be used as an empirical subject. Therefore, several interviews with participants was conducted to make sense of the dataccollected along with the hackathon like descriptions of challenges and project descriptions. I focused on the "solution enabler" program, which was launched by the federal government after the event itself to support evolved projects on their way to become sustainable products and solutions.