

Cybersecurity Justice: the Politics and Ethics of Exclusion

Draft Programme

The workshop will be one week (5 days).

The first day aims to bring an introduction of the different fields and their engagement with the topic of cybersecurity and ethics. Days 2, 3 and 4 will be dedicated to different disciplinary approaches to the subject (computer science, philosophy, political theory, law and criminology, policy and governance) to come to a general better understanding. On Day 5, we will draw together the findings from the week to plan how to take the work forward in the form of collaborations and specific outputs.

For each day we aim to have a precise question on what is a current pressing issue. A question that all participants can support and should allow for interdisciplinary approaches. This is then supported with a rough draft approach towards a solution. Each of these will contribute to the final goal of the workshop where we bring all these questions and drafts together into a white paper.

As a preparation we suggest you listen to the podcasts of the interview with Frances Haugen by the podcast Your Undivided Attention on the Facebook papers: <https://www.humanetech.com/podcast/42-a-conversation-with-facebook-whistleblower-frances-haugen> and the interview with Kevin Macnish and Jeroen van der Ham on ethical issues in cybersecurity research and practice: <https://itspmagazinepodcast.com/episodes/ethical-issues-in-cybersecurity-research-and-practice-redefining-security-with-kevin-macnish-and-jeroen-van-der-ham-M8NKmX6G>

The program below is a suggested outline. We will be looking for formats that give room to respond to what is presented from all different perspectives present in the room. Also, we would very much like to keep the program open for initiatives to change based on the dynamics of the discussion over the week.

DAY 1: Introduction

09:30-10:00 Arrival and registration

10:00-10:15 Welcome by Lorentz Center

10:15-10:30 Short introduction workshop theme, program and aims by organizers

10:30-11:15 Introduction round by participants (we will ask the participants to prepare something that reflects which part of the discussion they and their discipline focus on, and which parts of the discussion they think other disciplines address.)

11:15 – 12:30 Plenary session 1: Expressing the goals of the workshop.

- journey of the workshop: why are we having this meeting? what has motivated this work?
- objective: not “just” advancing computer science but creating a conversation across disciplines, embarking on a new field of research. Collective white paper defining the most pressing questions to work on and interdisciplinary approaches to tackle them.

12:30-13:30 Lunch break

13:30-15:30 Plenary session 2 (chair: Adam Henschke):

- Brainstorming: Dominant ethics issues arising in cybersecurity

15:30-16:00 Coffee/tea break

16:00-17:00 Cybersecurity and Social Justice

- Keynote: (tbc)

17:00-17:30 Discussion: what are, at first glance, the main challenges in intersecting disciplinary perspectives, i.e. how to bring the different types of knowledge together? Establishing main questions for the week.

17:30-19:00 Wine & Cheese party

DAY 2: Technical Perspectives: Setting Parameters, Sharing Conceptions [case: AI and Cybersecurity]

9:30-9:45 Interactive recap of previous day

9:45-10:45 Keynote/tutorial relevant to the day's theme and case (*tbc*)

10:45-11:15 coffee break

11:15-12:30 Short presentations (e.g. junior researchers) or other interactions led by participants

12:30-14:00 lunch

14:00-15:30 Discussion groups/working sessions on case

15:30-16:00 Coffee break

16:00-16:30 Wrap up/recap working sessions

16:30-17:30 Interdisciplinary dialogue/panel discussion reflecting on the day

DAY 3: Philosophical and Political Perspectives [case: St Jude Medical]

9:30-9:45 Interactive recap of previous day

9:45-10:45 Keynote/tutorial relevant to the day's theme and case (*Ibo van der Poel*).

Professor van der Poel has worked on the Horizon 2020 CANVAS project concerning the ethics of cybersecurity. Most recently he has edited and contributed to a volume on the Ethics of Cybersecurity and participated in developing a curriculum for advanced study in ethics and cybersecurity. The St Jude Medical case involved a US company reverse-engineering a life-saving medical device to identify security flaws in the device which could put lives at risk. Rather than inform the developers of the device (St Jude Medical), the company shorted the stock of St Jude Medical and publicly announced the security flaw in a press release.

10:45-11:15 coffee break

11:15-12:30 Short presentations (e.g. junior researchers) or other interactions led by participants

12:30-14:00 lunch

14:00-15:30 Discussion groups/working sessions on case

15:30-16:00 Coffee break

16:00-16:30 Wrap up/recap working sessions

16:30-17:30 Interdisciplinary dialogue/panel discussion reflecting on the day

18:00-22:00 Workshop dinner/social event

DAY 4: Law, Criminology and Governance [case: Wannacry]

9:30-9:45 Interactive recap of previous day

9:45-10:45 Keynote/tutorial relevant to the day's theme and case (*Jeroen van der Ham*).

Dr van der Ham is an organiser of the workshop, associate professor in computer science at the University of Twente, and senior researcher at the Dutch National Cybersecurity Centre (NCSC) in the Hague. With Dr Kevin Macnish (fellow workshop organiser) Dr van der Ham has written the entry on Cybersecurity Ethics for the forthcoming OUP Handbook of Digital Ethics. He was also the duty officer at NCSC when the Nopt attack was launched in 2017, bringing down

swathes of networked systems relying on Windows XP, including large parts of the UK healthcare system. Ethical issues arising from Wannacry include questioning the extent to which a security operation can engage in limited technical operations which might be significantly intrusive on values such as privacy, including the notion of “hacking back” in self-defence.

10:45-11:15 coffee break

11:15-12:30 Short presentations (e.g. junior researchers) or other interactions led by participants

12:30-14:00 lunch

14:00-15:30 Discussion groups/working sessions on case

15:30-16:00 Coffee break

16:00-16:30 Wrap up/recap working sessions

16:30-17:30 Interdisciplinary dialogue/panel discussion reflecting on the day

DAY 5: Conclusions and Convergence: towards scientific progress and policy advice

9:30- 10:00 Wrap up and steps ahead.

10:00-12:30 Working session: Discuss research agenda for the next decade of cybersecurity justice research. This will include setting out key areas for development, a timeline for development, and proposed working groups to address each of these areas, including a point of contact for each working group drawn from the workshop participants.

12:30-13:30 lunch

13:30-15:00 Final session: keynote + closing panel

15:00- Room for individual initiatives and/or travelling home.