Universität Hamburg
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Workshop Towards the Future

An interdisciplinary approach

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16 chapters – 16 perspectives:

1. Datafication, Disciplining, Demystification
2. Technical Foundations and Mathematical-Physical Limits
3. Path Dependency and Lock-in
4. Questions in the Philosophy of Technology
5. Digital Extensions, Transhumanism, and Posthumanism
6. Machine Rights
7. Liability Issues
8. Norms and Standards

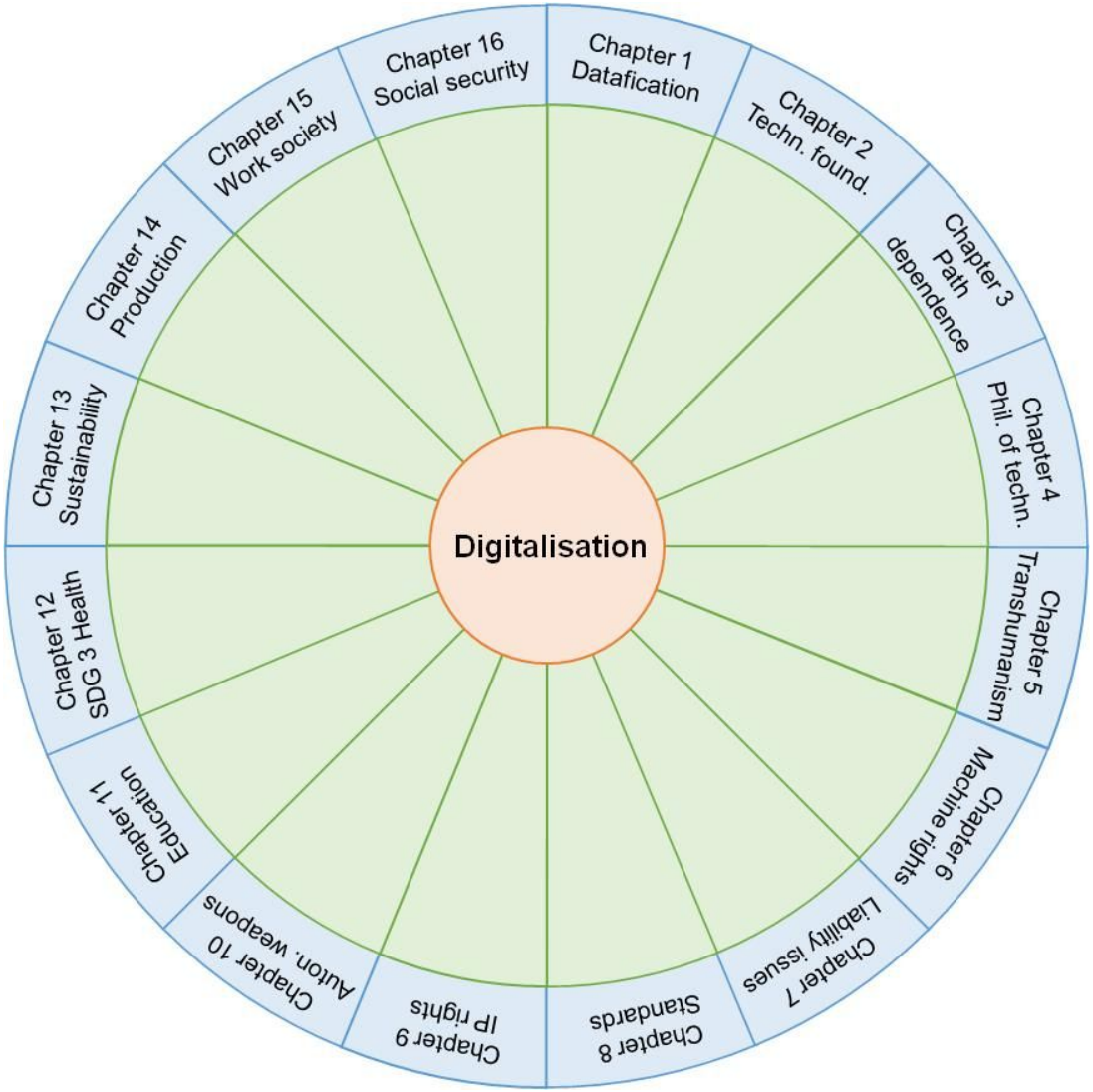
16 chapters – 16 perspectives:

9. Intellectual Property Rights
10. Lethal Autonomous Weapons Systems: New Threat and New Arms Race?
11. Education and Digitalisation – Technology Assessment and the Demystification of “Digital Education” in Theory and Practice
12. How can ‘Digitalisation’ Contribute to UN Sustainable Development Goal 3 ‘Health and Well-Being’?

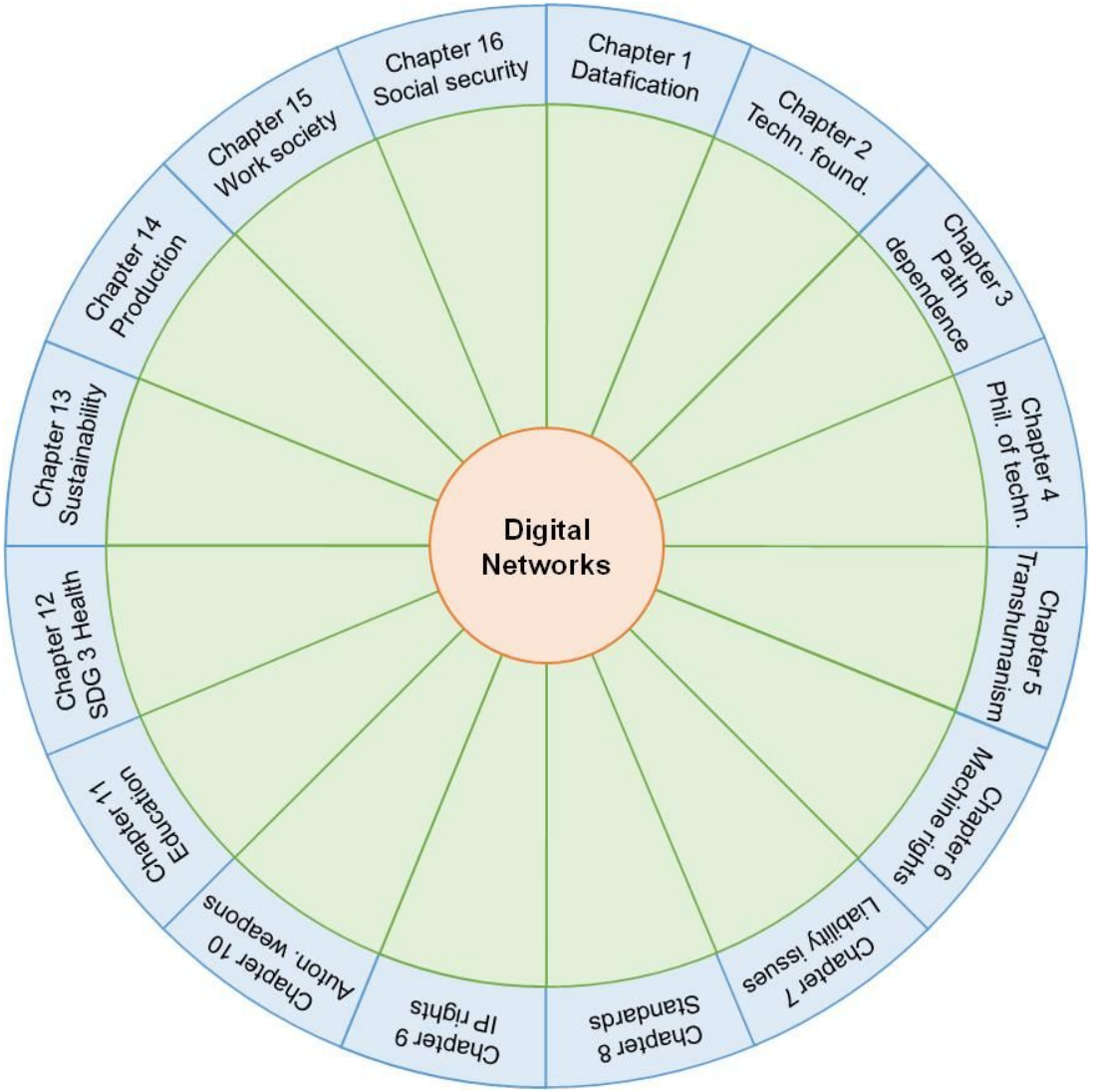
16 chapters – 16 perspectives:

13. Reductionist Temptations: Artificial Intelligence and Sustainability
14. Production and Trade in the Age of Digitalisation, Networking, and Artificial Intelligence
15. The Future of the Digital Work-Oriented Society
16. New Social Question and the Future of Social Security

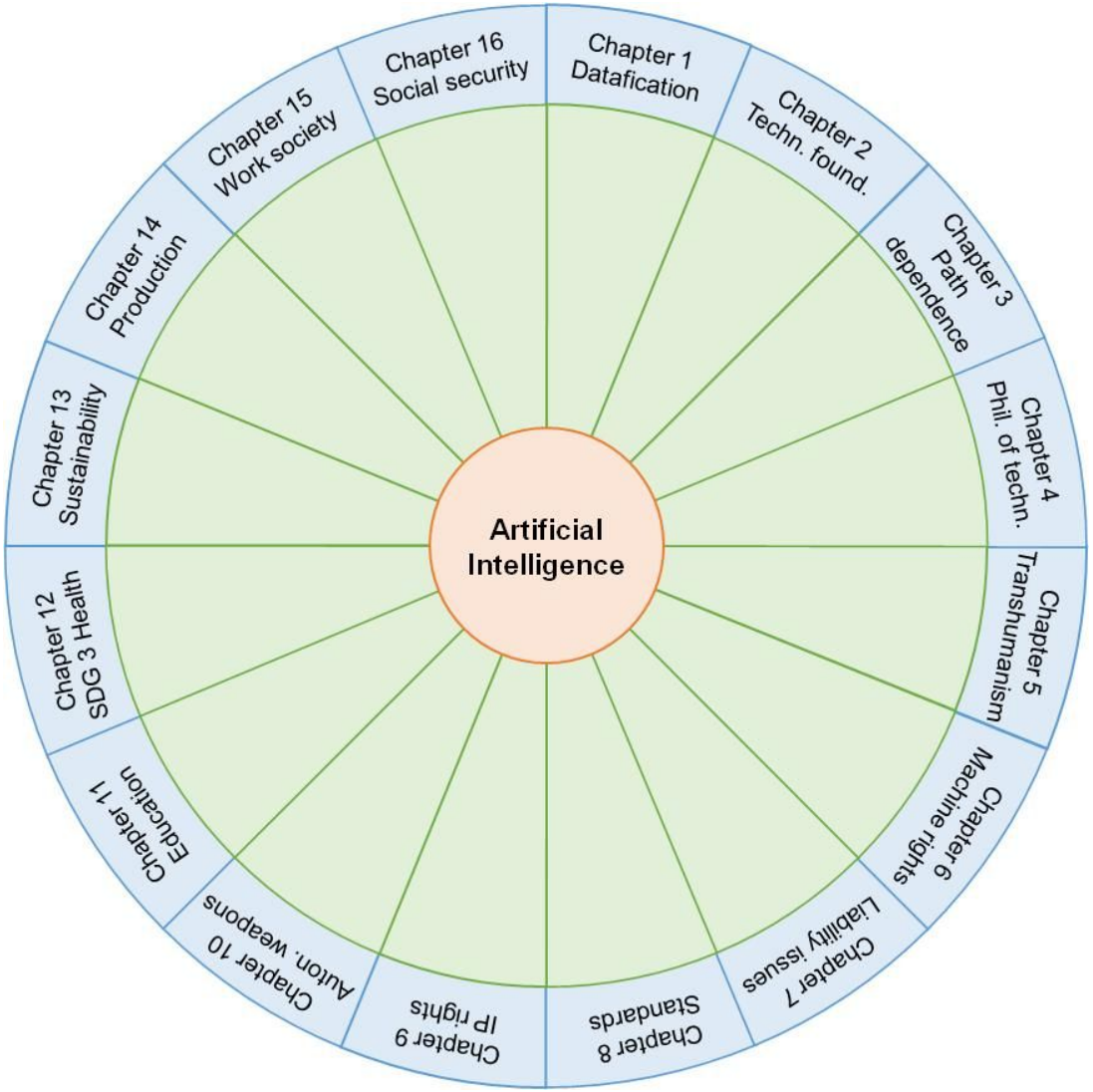
Task 1: Perspectives on digitalisation



Task 2: Perspectives on digital networks



Task 3: Perspectives on artificial intelligence



16 chapters – 16 perspectives:

1.	Datafication, Disciplining, Demystification	Historical informatics
2.	Technical Foundations and Mathematical-Physical Limits	Technical Informatics
3.	Path Dependency and Lock-in	Mathematical sociology
4.	Questions in the Philosophy of Technology	Philosophy of technology
5.	Digital Extensions, Transhumanism, and Posthumanism	Technical ethnology
6.	Machine Rights	Philosophy, ethics
7.	Liability Issues	Law
8.	Norms and Standards	economics

16 chapters – 16 perspectives:

9.	Intellectual Property Rights	Law
10.	Lethal Autonomous Weapons Systems: New Threat and New Arms Race?	Peace Research, Military research
11.	Education and Digitalisation – Technology Assessment and the Demystification of “Digital Education” in Theory and Practice	Education science
12.	How can ‘Digitalisation’ Contribute to UN Sustainable Development Goal 3 ‘Health and Well-Being’?	Medicine, humanities

16 chapters – 16 perspectives:

13.	Reductionist Temptations: Artificial Intelligence and Sustainability	Sustainability science, technical economics
14.	Production and Trade in the Age of Digitalisation, Networking, and Artificial Intelligence	Business economics, logistics
15.	The Future of the Digital Work-Oriented Society	Economics
16.	New Social Question and the Future of Social Security	Social sciences

Which perspective matters?

- **Who decides?**
- **What are the implications?**
- **What dynamics are triggered?**
- Who controls them and how?
  What are the related means and ends of policy, society, industry, economy, etc.? What are their goals?
- Which dynamics do emerge and which are designed and deliberately installed?

Which perspective matters? Path dependence

- **Who decides? The followed one.** History matters.
- **What are the implications? Cascades in social networks, a loss in democracy, strengthening of hierarchies, increasing extremism**
- **What dynamics are triggered? Swarming and herding, polarizations**
- Who controls them and how? Nobody, yet, with regional differences. What are the related means and ends of policy, society, industry, economy, etc.? What are their goals? Regarding path dependence, supporting their sectoral interests or none. Some means are using nudging or generating product dependencies.
- Which dynamics do emerge and which are designed and deliberately installed? Most path-dependent dynamics emerge. Some clusters are designed to support cooperation, shaped by legal frameworks or standards.

Examples:

- Education and sustainability -> path dependence matters
- Use of AI technologies in medicine -> lessons learned from navigation systems
- Impact of FOMO on the war and chip scarcity
- Online banking and sustainability

You matter!

You matter!

Thank you for your attention

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