



Tuesday, 21 August

19.00– 21.00 Welcome reception, AIAS Hall
Networking, Refreshments & Finger food

Wednesday, 22 August

08.30 – 09.00 Registration and coffee

09.00 – 09.15 Welcome by Morten Kyndrup, AIAS and Organizers

Chair: Dorothee Birke

09.15 – 10.15 **Opening keynote:**

Patrick Jagoda, Dept. of English & Dept. of Cinema & Media Studies, University of Chicago, USA:
“How Video Games Can Help Us Think Through Networks”

10.15 – 10.30 Coffee break

Chair: Christian Ulrik Andersen

10.30 – 11.00 **Mads Sloth Vinding** (Department of Clinical Medicine, Aarhus University, Denmark):
“Deep learning MRI pulse sequences”

11.00 – 11.30 **Simon Enni** (Department of Computer Science, Aarhus University, Denmark):
“The Case for Contestability in Intelligent Computer Systems”

11.30 – 12.00 **Michael Castelle** (Centre for Interdisciplinary Methodologies, Warwick University, UK):
“Deep Learning and the Coming Crisis for Social Theory”

12.00 – 13.00 Lunch break

Chair: Christine Parsons

13.00 – 13.30 **Ansgar Koene** (Horizon Digital Economy Research Institute, University of Nottingham, UK):
“Policy and regulatory approaches to AI systems – what role can ethical standards play?”

13.30 – 14.00 **Emanuele Nicolo Andreoli** (School of Communication and Culture, Aarhus University, Denmark):
“POV and machine vision”

14.00 – 14.30 **Sune Lehmann Jørgensen** (Department of Applied Mathematics and Computer Science, Technical University of Denmark, Denmark):
“The role of data in making predictions”

14.30 – 15.00 Coffee break

Chair: Nikolaj T. Zinner

15.00 – 16.00 **Keynote:**

Maria Schuld (Quantum Research Group, University of KwaZulu-Natal, Durban, South Africa & Xanadu Quantum Computing Inc, Toronto, Canada):
“Quantum Neural Networks”

16.00 – 16.30 **Christian Grund Sørensen** (Department of Communication and Psychology, Aalborg University, Denmark):
“The Cartesian fallacy and the digital will”

16.30 – 17.00 **Janet Rafner** (Science at Home, Dept. of Physics and Astronomy, Aarhus University, Denmark)
“The Intuition Game: Hybrid Intelligence in fluid dynamics, quantum physics and other complex research problems.”

17.00 – 17.45 Break - Walking to ARoS

18.00 – 19.00 Guided tour of the ARoS Art Museum

19.00 – 22.00 Conference dinner at ARoS



Thursday, 23 August

- 09.00 – 10.00 **Chair: Asad Jan**
Keynote:
José del R. Millán (Swiss Federal Institute of Technology in Lausanne (EPFL), Switzerland):
“Brain-Machine Interfaces: A Tale of Two Learners”
- 10.00 – 10.30 **Kristoffer L. Nielbo** (Datakube, Department of History, University of Southern Denmark, Denmark):
“It is just a machine that learns - on the role of computing and task automation in historical research”
- 10.30 – 10.50 Coffee break
- 10.50 – 11.20 **Chair: Michael Voldsgaard Clausen**
Anne Nielsen (Department of Clinical Medicine, Aarhus University, Denmark):
“Are convolutional neural networks able to predict tissue outcome in acute ischemic stroke?”
- 11.20 – 11.50 **Jonathan Roberge** and **Thomas Crosbie** (Institut National de Recherche Scientifique, Canada):
“From Algorithmic Cultures to Machine Learning and Back”
- 11.50 – 12.20 **Anders Munk** (TANT lab) and **Anders Koed Madsen** (Aalborg University Copenhagen, Denmark):
“Reasoning with algorithms: data sprints as experimental situations”
- 12.20 – 13.30 Lunch break
- 13.30 – 14.00 **Chair: Anja Bechmann**
Duda Kvitsiani (DANDRITE - Kvitsiani Group, Aarhus University, Denmark):
“Distributed representations in cortical neural networks”
- 14.00 – 14.30 **Bendert Zevenbergen** (Center for Information Technology Policy, Princeton University, USA):
“AI and Ethics Case Studies for Education”
- 14.30 – 15.00 **Closing discussion**