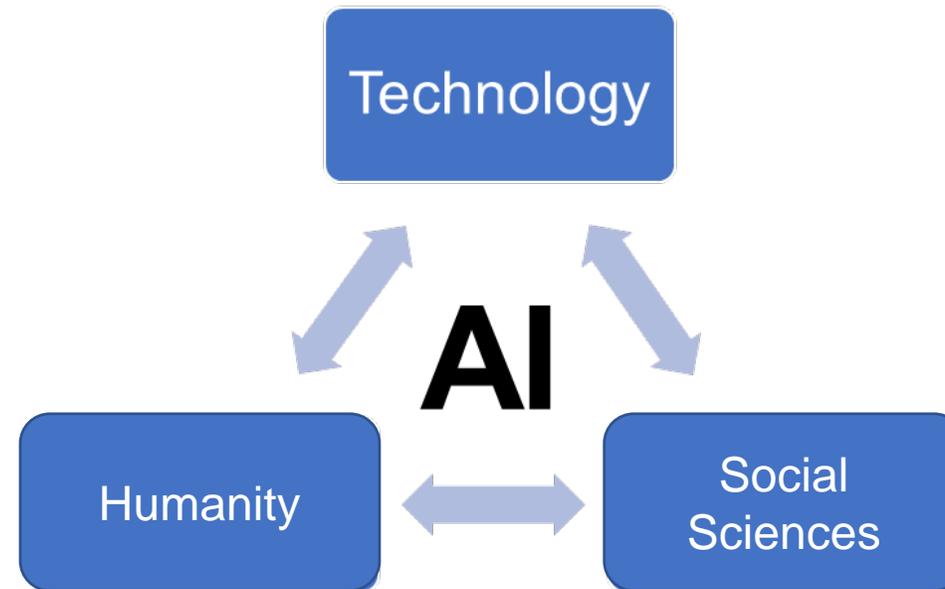


The Wallenberg AI, Autonomous Systems and Software Program – Humanities and Society

Virginia Dignum – Program Director

WASP—HS

The vision of WASP-HS is to realize excellent research and develop competence on the consequences and challenges of artificial intelligence and autonomous systems for humanities and society.



10-year program with a budget of over 660 MSEK (≈≈65 M€) to fund:

1. A research program aiming at forming an interdisciplinary community across the funded projects

First group of 16 projects started December 2019

2. A national graduate school with the aim to raise the knowledge level in Sweden

Over 70 PhD degrees by 2028 across Swedish universities

First cohort started in September 2020 with 35 students

3. Recruitments of junior and visiting faculty across disciplines to strengthen WASP-HS excellence

11 assistant professors to be recruited during 2021

8-10 guest professorships;

packages include 2 PhD positions

4. International partnerships and activities

5. Collaboration with industry and public agencies

PhD projects and collaboration projects starting in 2021



Current projects

- **started December 2019**
- <https://wasp-hs.org/projects/>

- “The rise of social drones: A constructive design research agenda” (Fjeld, Chalmers)
- “Professional trust and autonomous systems” (Ivarsson, University of Gothenburg)
- “Gothenburg research initiative for politically emergent systems (GRIPES)” (Sayeed, University of Gothenburg)
- “Predicting the diffusion of AI-applications” (Strimling, Institute for Future Studies)
- “Bias and methods of AI technology studying political behavior” (Fredén, Karlstad University)
- “Ethics as enacted through movement - shaping and being shaped by autonomous systems” (Höök, KTH)
- “The emergence of complex intelligent systems and the future of management”(Lakemond, Linköping University)
- “The ethics and social consequences of AI & caring robots. Learning trust, empathy and accountability” (Johnson, Linköping University)
- “The imperfect creator creating the perfect: Ethics for autonomous systems/AI” (Balkenius, Lund University)
- “Quantum law: The legal significance of quantum computing” (Jeutner, Lund University)
- “AI transparency and consumer trust” (Larsson, Lund University)
- “Digital companions as social actors: Employing socially intelligent systems for managing stress and improving emotional wellbeing” (Lindgren, Umeå University)
- “BioMe: Existential challenges and ethical imperatives of biometric AI in everyday lifeworlds” (Lagerkvist, Uppsala University)
- “Artificial Intelligence, democracy and human dignity” (Lind, Uppsala University)
- “The labor-market impact of firm-level adoption of AI and autonomous systems” (Nordström Skans, Uppsala University)
- “The new scientific revolution? AI and big data in biomedicine” (Lee, Uppsala University)

Selected topics

- **11 assistant professor positions**
- **At 9 universities**
- **Each with 2 PhD students**

Chalmers University of Technology	Interactive AI – Ethics and aesthetics of human-machine interaction in art, music, and games
Gothenburg University	AI, the Social Contract and Democracy
KTH	Media and Environment: AI and Autonomous Systems in Data-based Environmental Research
Lund University	Social interaction with autonomous artefacts
Malmö University	AI and the everyday political-economy of global health
Malmö University	Realizing the potential of agent-based social simulation
SLU	Challenges and social consequences of artificial intelligence in Swedish forests
Stockholm University	AI and Law
Umeå University	Human-Centered AI for Health, Autonomy and Wellbeing
Uppsala University	AI and Political Communication
Uppsala University	AI-based RegTech



11 new research groups within WASP-HS on the challenges and impact of AI

2 November 2020

Eleven new research groups gets support within The Wallenberg AI, Autonomous Systems and Software Program – Humanities and Society (WASP-HS). The program now expands its contribution to the...

Reference meetings

A continuous dialog on multidisciplinary research challenges in different sectors

- February/March 2021: Health care sector
- May 2021: Gaming industry
- September 2021: Fintech sector



Research Opportunities

Multidisciplinary, cross fertilization academia – society, addressing current challenges in Sweden and the world

- PhD in society
- Innovative Collaboration projects
- Calls open in December 2020



1. Ambition is to have educated over 70 PhD students by 2028
 - First cohort started September 2020 with 35 students (22 financed by WASP-HS and 13 affiliated students)
2. International orientation
 - Visits, semester abroad, co-supervision
3. Multi-disciplinary
 - Program extending faculty programs
 - Joint projects addressing real problems taking account of the individual, societal, and ethical implications.
4. Student-centered: A flexible study program adaptable to the needs of each student
5. Open to WASP-HS students, to WASP-HS faculty, and students affiliated to the program
6. Collaboration with WASP-AI graduate school
7. Academic PhDs and PhDs in Society
8. More info: <https://wasp-hs.org/graduate-school/>



**Kerstin Sahlin** (chair)

Professor Organization Studies, Uppsala Universitet

**Hans Adolfsson** (vice-chair)

Professor, Rector Umeå Universitet

**Kjell Asplund**

Professor, Chairman of the State Medical Council

**Göran Blomqvist**

Former CEO of the Riksbank's Jubilee Fund

**Carolina Brånby**

Director Digital Policy, Confederation of Swedish Enterprise

**Christofer Edling**

Professor, Dean of Social Sciences, Lund University

**Pernilla Jonsson**

PhD, Head of Consumer & IndustryLab Ericsson Research

**Lars Nielsen**

Professor, scientific leader WASP

**Elisabeth Wåghäll Nivre**

Professor, Vice-Rector Humanities, Stockholm University





Virginia Dignum (Scientific director)

Professor, Wallenberg chair in Responsible Artificial Intelligence, Umeå University



Christian Balkenius (Graduate School director)

Professor in Cognitive Science, Lund University



Ingar Brinck (member)

Professor in Theoretical Philosophy, Lund University



Anna-Sara Lind (member)

Professor in Law, Uppsala University



Helena Lindgren (member, link to WASP-AI)

Professor in Computer Science, Umeå University



Karin Danielsson (coordinator)

Associate Professor Information Sciences, Umeå University

- Contact

- Professor Virginia Dignum (program director): virginia.dignum@umu.se
- Professor Kerstin Sahlin (chair): kerstin.sahlin@fek.uu.se

- Webpage

- www.wasp-hs.org

- Twitter

- @wasp_hs

- LinkedIn

- <https://www.linkedin.com/company/wasp-hs/>





Thank you

WASP—HS

www.wasp-hs.org

Follow us at [@wasp_hs](https://twitter.com/wasp_hs)