CALL FOR PAPERS
The Thinking Machine: Interdisciplinary Perspectives on Neural Networks
AIAS, 21-23 August 2018

Artificial intelligence has been a controversial topic for at least 50 years. The idea of the thinking machine intrigues researchers in many fields. It raises complex problems and urgent challenges, ranging from how to accelerate data processing to how to understand aspects of neural capabilities to the roles of human touch and social logics in human/machine decision-making. The application of neural networks in almost all areas of our everyday life make neural networks relevant for many fields.

This conference will take an interdisciplinary approach to such applications of neural networks and by doing so aims at cross-fertilizing otherwise separated debates on these controversial machines in the various fields. It is our hope that by bringing together research on brain, physics, AI, media and social structures, we can enhance the discussion and development of neural networks not only as a tool for pattern recognition, but also as an evolving technology with enormous social impact.

We invite talks and posters from all disciplines involved in this research. Possible topics include, but are not limited to

- The theory of neural networks
- Brain research and neural networks
- Neural networks for machine learning and AI
- Quantum assisted neural networks
- Neural networks based on quantum mechanics
- Pattern-recognizing applications in the humanities
- Problems of accountability, bias and ethics
- Aesthetics of the network
- Mediation of experiences of networks

Proposers of **presentations** (20mins, with 10 min discussion) or **posters** (594 x 841 [portrait]) should submit an **abstract of approximately 250 words** to research.activities@aias.au.dk. Please indicate whether you want to submit for a presentation or a poster and add a **short biographical abstract** (ca. 100 words) as well as your contact information.

Participants with an accepted abstract will not have to pay the conference fee and get the conference dinner free of charge. Early-career researchers have the option of applying for a stipend of up to 600 Euro (limited number available). If you want to apply for one of those, please indicate this in your application.

Deadline for all submissions is 1 May 2018.