

GenDADA – Detecting, Anomaly, Dynamics, Applied



Conference: *Crossing perspectives on gender and physics*
September 17-19 2008, Uppsala University

Physics is done in a cultural and social context, structured by gender, which can be experienced by the active physicist. However, the scholarly exploration of this experience is most often done within the discipline of gender research. Until now little dialogue has taken place between active physicists and gender researchers. The aim of this joint NorWiP and GenNa conference, is to bring representatives from both fields together and facilitate exchange of knowledge and perspectives.

We encourage contributions exploring topics such as:

- **Detecting Gender: Knowledge-Making in Physics**

What role does gender play in the experimental and theoretical practice of physics? What research has been done, what is missing? What possibilities are opened up by crossing the borders between gender and physics research?

- **The Anomaly of a Woman in Physics¹**

From historical and sociological viewpoints, how are male and female physicists perceived and how do they perceive themselves in the scientific and academic environments? What structures affect the careers of physicists? How and why are their identities as insiders and outsiders created in and by the scientific networks?

- **Dynamics of a Masculine Field: Learning & Teaching**

Where does gender influence the teaching and learning of physics? How can a gender perspective help us understand the experience of learning physics? When teaching physics, how can we take gender issues into account? What would a liberating physics education look like?

- **Applying Physics at our Service**

What gender questions can be answered by applied physics methods? For example, can we utilize the techniques of engineering physics, medical physics, communication physics or material science to support women's environmental concerns or to enhance the visibility of women's cultural creativeness? What problems do we want to be discussed and treated by applied physics?

Furthermore, are there any theories that are gendered in their applications?

Picture: the artist Sophie Taeuber-Arp

¹ Title of Evelyn Fox Keller's contribution to *Working It Out*, Sara Ruddick & Pamela Daniels Eds., New York : Pantheon Books, 1977, pp. 78-91.