

Mechanized Brains, Embodied Technologies, Restored Movements Philosophical and Ethical Implications of Neurotechnological Interventions

Cluster of Excellence BrainLinks-BrainTools, University of Freiburg (Germany)

20/21 January 2017

Day 1

09:30-10:00 Welcome

Session I

Ethics of Neurotechnology: Current Debates and Basic Questions

10:00-10:45 Why Neuroethics? Its Relevance in Science and Society
Jan-Hendrik Heinrichs

10:45-11:30 Ethical Challenges of Brain-Computer Interfaces
Philipp Kellmeyer

Coffee break

11:45-12:30 Why Neurotechnologies? About the Purposes for Developing Clinical Applications of Neurotechnologies
Thomas Stieglitz

12:30-13:15 **Interlude: Personhood, Values and Normativity**
Values and Norms in the Neurotechnological Debate
Karsten Witt

Lunch

Session II

Embodiment and Technologies: Brain, Body, Self

15:00-15:45 Brain, Body and World – Embodiment Theories and What They Change in Our View about the Brain
Thiemo Breyer

15:45-16:30 The Self and the Other. What Effects Does a Change in Life Has On the Self-Perception and the Perception of Others?
Joel Krueger

Coffee break

16:45-17:30 **Interlude: Body, Values and Normativity**
Values and Norms in Theories about the Brain and Body
Gernot Böhme

Conference Dinner

Day 2

Session III

The Patient's Perspectives: Methodological and Normative Questions

- 09:00-09:45 Dialogue with Patients and the Relevance of Interviews to Living Body
Phenomenological Approaches
Sanneke de Haan
- 09:45-10:30 Neurosurgery for Untreatable Patients. Developments in Medicine and Their
Influence on Doctor-Patient Relationships
Volker Coenen
- 10:30-11:15 Patient Focus Groups: Results and Impact on Neuroethical Theory
Sara Goering
- Coffee Break*
- 11:30-12:15 **Interlude: Patients, Values and Normativity**
Values of Patients with Parkinson's Disease Undergoing Deep Brain Stimulation and
Norms in Terms of the Capability Approach
Julia Voigt
- 12:15-13:00 Focus Group with Patients with PD

Lunch

Session IV

How the Body Shapes the Norms: From Embodiment to New Normative Dimensions

- 14:00-14:45 Deep Brain Stimulation, Movement, Freedom
Julia Voigt
- 14:45-15:30 Can our Ability to Move Tell Us Something about the Free Will? An Embodiment
Approach
Shaun Gallagher
- 15:30-16:30 Plenary Discussion and Closing Remarks

Organizers: Julia S. Voigt, PD Dr. Oliver Müller, University of Freiburg