

What are the various interfaces between mind, wo/man, and machine and how can these interfaces be further explored within and across different disciplines? In this conference, we will investigate the complex interaction between humans and machines as well as various ways of reverse-engineering the brain. We will discuss current approaches, theories, and methodologies in this field, and also identify shared research interests, which might lead to future collaborations between the humanities and the sciences, between members of both academies, and beyond.

While the conference will be open to the public, the workshop on Tuesday evening is restricted to members of the German and Israel Young Academies.

To attend the conference, please register via email ([manmindmachine@diejungeakademie.de](mailto:manmindmachine@diejungeakademie.de)) by 08 June.



#### Venue

Einsteinsaal  
Berlin-Brandenburg  
Academy of Sciences and Humanities  
Jägerstraße 22/23  
10117 Berlin

#### Contact & Registration

[manmindmachine@diejungeakademie.de](mailto:manmindmachine@diejungeakademie.de)

#### Programme & Further Information

[www.diejungeakademie.de/manmindmachine](http://www.diejungeakademie.de/manmindmachine)

#### Organising Committees

OC (Die Junge Akademie /  
German Young Academy):

Miriam Akkermann,  
Caspar Battegay,  
Sibylle Baumbach,  
Philipp Kanske

OC (The Israel Young Academy):

Sharon Aronson-Lehavi,  
Mona Khoury-Kassabri,  
Dan Peer,  
Nissim Otmazgin



Die Junge Akademie



האקדמיה  
הצעירה הישראלית

THE ISRAEL YOUNG  
ACADEMY

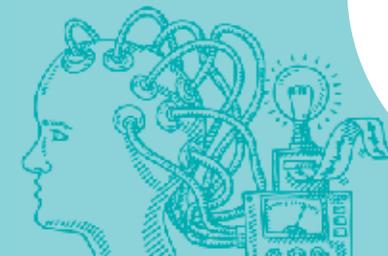
# Wo/Man Mind Machine

Interdisciplinary  
Conference

Die Junge  
Akademie &  
The Israel Young  
Academy

13–14 June 2016

Einsteinsaal  
Berlin-Brandenburg  
Academy of Sciences  
and Humanities  
Jägerstraße 22/23  
10117 Berlin



# MONDAY, 13 JUNE 2016

10:00 Welcome & Introduction

10:15 **Keynote:** Aldo Faisal (Neurotechnology, Imperial College London): Perception, Action, and the Grammar of Behaviour

11:15–11:45 **Coffee Break**

11:45–13:15 **Session 1: The Social Brain – How We (Fail to) Understand Others**

Philipp Kanske & Mona Khoury-Kassabri

(1) Henrike Moll (Psychology, University of Southern California): How Young Children Understand Others

(2) Ariel Knafo (Psychology, Hebrew University of Jerusalem): The Development of Empathy

(3) Philipp Kanske (Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig): Dissecting the Social Brain: Affective and Cognitive Routes to Understanding Others

13:15–15:00 **Lunch Break**

15:00–16:00 **Session 1 (continued):**

(4) Mona Khoury-Kassabri (Social Sciences, Hebrew University of Jerusalem): Cyberbullying Perpetration by Arab Youth: The Direct and Interactive Role of Individual, Family, and Neighborhood Characteristics

(5) Yael Hanein (Electrical Engineering, Tel Aviv University): E-motion: Novel Electrode Technology for Recording Emotions

16:00–16:30 **Coffee Break**

16:30–18:00 **Session 2: Artificial Minds in Film, Performance, and Fiction**

Caspar Battegay & Nissim Otmazgin

(1) Caspar Battegay (German Literature, University of Lausanne): Cyber-Golem. Sex, Science and Fiction

(2) Nissim Otmazgin (East Asian Studies, Hebrew University of Jerusalem): Technology, Robots and Imagination in Japanese Anime

(3) Sharon Aronson-Lehavi (Comparative Literature, Bar-Ilan University, Ramat Gan): *Deus ex machina*: The Theatricality of Playing God

(4) Simon Spiegel (Film Studies, University of Zurich): 'Foolproof and Incapable of Error': Why Do Filmic Robots and AIs Always Go Bad?

18:15 **Evening Lecture:** Jennifer Parker-Starbuck (Theatre & Performance Studies, University of Roehampton, London): Cyborg Encounters

19:15 Reception

20:30 Dinner

# TUESDAY, 14 JUNE 2016

09:30 **Keynote:** Alexis Kirke (ICCMR, University of Plymouth): For Entertainment Purposes Only? How Arts Can Contribute Directly to Research into the Science of Computing and HCI

10:30–11:00 **Coffee Break**

11:00 **Session 3: Mind, Man, Machine, and Music**

Miriam Akkermann & Sharon Aronson-Lehavi

(1) Gordon Kampe (Musicology & Composing, Folkwang University of the Arts, Essen): *wav. to mid. to wav. to orchid. to midi to sib. to violin* – Software Sound and String Music

(2) Miriam Akkermann (Musicology, Bayreuth University): Personalized Sound: Composer-Performer's Live Electronic Set-Up

(3) Alexander Refsum Jensenius (Musicology, University of Oslo): Why Does Technology Help Music Become More Human?

(4) Adam Parkinson (Computing, Goldsmiths, University of London): Creativity and Musical Dialogues with Actors

13:00–14:30 **Lunch Break**

14:30 **Session 4: Processing Information – Brains, Bodies, and Bacteria**

Sibylle Baumbach & Ron Milo

(1) Ron Milo (Plant & Environmental Sciences, Weizmann Institute of Science, Rehovot): A Machine that Changes a Bacterium Mind

(2) Jakob Macke (research center caesar, Bonn): Making Sense of Light: Processing Visual Information in Neural Systems

(3) Tal Dvir (Biotechnology, Tel Aviv University): Nanodevices for Actuating and Monitoring Engineered Cardiac Tissues

(4) Florian Röhrbein (Informatics, Technical University of Munich): Neurorobotics and The Human Brain Project

16:30–17:00 **Coffee Break**

17:00 **Roundtable & Final Discussion**

17:30 End of the Conference

18:00 **Workshop of the Israel Young Academy and the German Young Academy**

20:00 Working Dinner (for members of the two academies)