

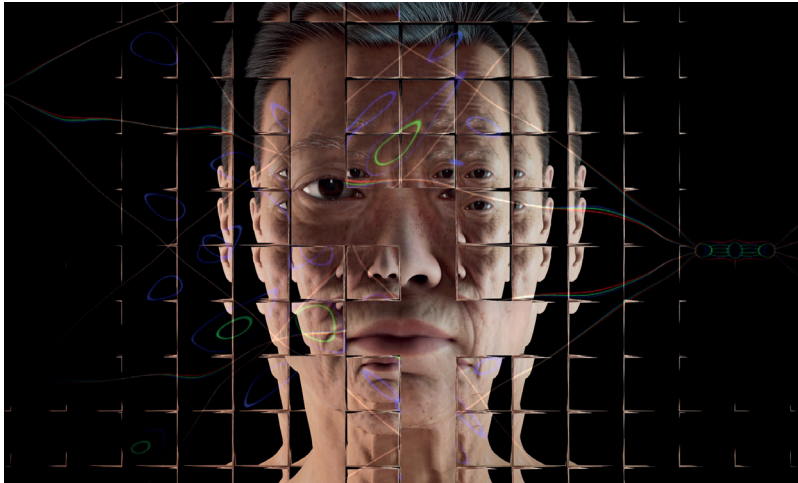
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COLLOQUIUM DIGITALE
“DIGITIZATION, HUMAN BEINGS, AND SOCIETY”

SYMPOSIUM & WORKSHOP

CONVERGENCE?

INTERFACES OF THE DIGITAL AND THE LIVING

OCTOBER 17–18, 2023
AUSTRIAN ACADEMY OF SCIENCES
DR. IGNAZ SEIPEL-PLATZ 2
1010 VIENNA

WEB: www.oeaw.ac.at/convergence2023
CONTACT: convergence@oeaw.ac.at

PROGRAM

OCTOBER 17, 2023 (FESTIVE HALL)

09:00

OPENING

Welcome to the Austrian Academy of Sciences

Christiane Wendehorst | President of the Humanities and Social Sciences Division of the Austrian Academy of Sciences, Vienna (OeAW)

Welcome to Vienna

Michael Stampfer | Director of the Vienna Science and Technology Fund, Vienna (WWTF)

Convergence? Interfaces of the digital and the living

Christoph Bock | CeMM – Research Center for Molecular Medicine of the OeAW & Medical University of Vienna

SESSION 1 “BODIES: CYBORGS ABOUND?”

09:10–09:30

Oskar Aszmann | Medical University of Vienna

Bionic extremity - reconstruction cyborgs ahead?

09:30–09:50

Tamar R. Makin | University of Cambridge

Brain plasticity and body augmentation

09:50–10:10

Dani Clode | University of Cambridge

Augmentation design exploring the future body

10:10–10:30

Amber Case | Research Director at Metagov, New York

Calm technology

10:30–10:40

Discussion

10:40–11:10

COFFEE BREAK

SESSION 2 “BRAINS: CONNECTED MIND?” (PART 1)

11:10–11:30

Surjo R. Soekadar | Charité, Berlin

Brain-computer interfaces

11:30–11:50

Rajesh P. N. Rao | University of Washington, Seattle

Brain co-processors: when AI meets the brain

11:50–12:00

Overview of the interactive formats

12:00–13:00

LUNCH BREAK

SESSION 3 “BRAINS: CONNECTED MIND?” (PART 2)

- 13:00–13:20 **Joanna Bryson** | Hertie School of Governance, Berlin
Artificial intelligence, ethics and collaborative cognition
- 13:20–13:40 **Johannes T.B. Overvelde** | AMOLF & Eindhoven University of Technology
Physical intelligence in soft robots

13:40–13:50 **Discussion**

SESSION 4 “PARTICIPANT-CONTRIBUTED PROGRAM”

- 13:50–14:00 **Outlines by the Discussion leaders in Session 4**
- 14:00–15:30 **Short talks (Festive Hall) and Discussions (breakout rooms)**
- 15:30–16:00 COFFEE BREAK

SESSION 5 “CELLS: HOMO SAPIENS 2.0?”

- 16:00–16:20 **Elly Tanaka** | Research Institute of Molecular Pathology (IMP), Vienna
Regrowing our bodies
- 16:20–16:40 **Thomas Hartung** | Johns Hopkins University, Baltimore
Organoid intelligence: New frontier in biocomputing and intelligence-in-a-dish
- 16:40–17:00 **Tarja Knuutila & Johannes Jäger** | University of Vienna
Disruption or convergence? Cognition redistributed between the biological and the artificial
- 17:00–17:20 **Thomas Feuerstein** | Independent artist, Vienna
Daemons of life. BioArt, technology & artificial intelligence
- 17:20–17:40 **Discussion & Closing of Day 1**

EVENING EVENT

- 18:00–19:30 **Panel discussion | “Living the future: How biomedical technology and AI may change society and humanity”**
- 19:30–21:30 LIGHT BUFFET DINNER

OCTOBER 18, 2023 (FESTIVE HALL)

SESSION 6 “INTERACTIONS: I – YOU – WE?”

- 09:00–09:10 **Brief summary of day 1 themes and day 2 outlook**
- 09:10–09:30 **Natalie Sebanz** | Central European University (CEU)
Joint action and the social mind

- 09:30–09:50 **Eva Jablonka** | Tel Aviv University
Evolution beyond the genes: Learning and experience, epigenetics and augmentation
- 09:50–10:10 **Kristina Kashtanova** | AI artist & educator, New York
Creating worlds with AI
- 10:10–10:30 **Manos Tsakiris** | Royal Holloway, University of London
Being a self in an artificially generated world

10:30–10:40 **Discussion**

10:40–11:10 COFFEE BREAK

SESSION 7 “PARTICIPANT-CONTRIBUTED PROGRAM”

- 11:10–11:20 **Outlines by the Discussion leaders in Session 7**
- 11:20–12:50 **Short talks (Festive Hall) and Discussions (breakout rooms)**
- 12:50–13:50 LUNCH BREAK

SESSION 8 “CULTURES: FOR PEACE AND PROSPERITY?”

- 13:50–14:10 **Sarah Spiekermann-Hoff** | Institute for Information Systems & Society at WU Vienna
Value perception, ethics and technology implications
- 14:10–14:30 **Mark Coeckelbergh** | University of Vienna
The problem of AI and climate change on the nexus of the technological and the living
- 14:30–14:50 **Bart de Witte** | HIPPO AI Foundation, Berlin
Sustainable Innovation: The Power of Regenerative AI and ESG to Drive Finance Toward the Common Good
- 14:50–15:10 **Helga Nowotny** | European Research Council (former president)
Prediction, uncertainty and the illusion of control – challenges for digitalized medicine
- 15:10–15:20 **Discussion**
- 15:20–15:45 COFFEE BREAK

SESSION 9 “WRAP-UP & CLOSING”

- 15:45–16:00 **Live Music in Virtual Space (Performance „ECHTZEITKUNSTWELT graz mp“ by Dominik Gruehnbuehel, Sebastian Pirch and Norbert Unfug)**
- 16:00–16:40 **Reports and outlooks from the discussion sessions**
- 16:40–17:00 **Summary of day 2 and future perspectives**