

# International Workshop

## The risks and challenges of neurotechnologies for human rights

**23-24 November**

16.00-20.00 (CET) / 10.00-14.00 (ET)

How valuable is your **mental privacy**, **identity** and **free will** to you?

How can we guarantee the right to fair and **equitable access** to neurotechnologies that enhance mental capacities?

Should the **international human rights** framework regulate devices that can influence your behavior, thoughts, emotions and memories?



**Register at:**

neurotechnologies-  
humanrights.eventbrite.com



**Join by Zoom:**

zoom.us/j/95074922727



This **Workshop** aims to reflect upon the ethical and regulatory challenges that emerge from the application of neurotechnologies to record, interpret or alter brain activity.

Join for free this **online 2-day multi-disciplinary debate on neurotechnologies** with international experts in neuroscience, engineering, ethics, philosophy and law.

### Session 1:

#### Identifying the present and future risks and challenges of neurotechnology.

23 November 2021, 16.00-20.00 (CET) / 10.00-14.00 (ET)

##### Introduction to Brain Computer Interfaces

**Nima Mesgarini**, Associate Professor of Electrical Engineering, Columbia's Zuckerman Institute; Top-10 Breakthroughs of the year award (2020).

**Nathan Copeland**, participant in pioneering research study on implanted bidirectional brain-computer interfaces.

##### Short talks and discussion by panel of experts

**Eduardo Fernández Jover**, Professor of Cellular Biology, Chair of Histology and Anatomy Dept., University Miguel Hernández, and Director of the Neuroengineering and Neuroprosthesis Unit, Bioengineering Institute.

**Jonathan R. Wolpaw**, Director, National Center for Adaptive Neurotechnologies, Albany Stratton VA Medical Center, NY.

**Francesca Gasparini**, Associate Professor of Computer Sciences, Head of the Multimedia Signal Processing Laboratory; and **Aurora Saibene**, PhD Student, University of Milano-Bicocca.

**Roberto Andorno**, Associate Professor of Bioethics and Biomedical Law at the Faculty of Law & Senior Research Fellow and Coordinator of the PhD Program in Biomedical Ethics and Law, University of Zurich, Switzerland.

**Maria Luisa Lavitrano**, Full Professor of Pathology, Director of Molecular Medicine Lab, and Director of the School of Oncology, University of Milano-Bicocca.

**Nita Farahany**, Professor of Law & Philosophy, Founding Director, Duke Initiative for Science & Society, Duke University.

**Moderator:** Salvador Dura Bernal, Assistant Professor of Neuroscience, State University of New York (SUNY) Downstate, and Research Scientist, Nathan Kline Institute for Psychiatric Research.

### Session 2:

#### A critical examination of current and future regulatory proposals.

24 November 2021, 16.00-20.00 (CET) / 10.00-14.00 (ET)

##### Opening Remarks

**Gabriela Ramos**, Assistant Director-General for Social and Human Sciences, UNESCO.

##### Short talks and discussion by panel of experts

**Pia Acconci**, Full Professor of International Law, University of Teramo.

**Guido Girardi**, Senator, Chile and promoter of the Chilean law on neuro-rights.

**Stefania Bandini**, Full Professor of Computer Science, Systems and Communication, University of Milano-Bicocca and RCAST - Research Center for Advanced Science & Technology, University of Tokyo.

**Arleen Salles**, Senior Researcher at the Centre for Research Ethics and Bioethics (CBR), Uppsala University.

**Philipp Kellmeyer**, Head of the Neuroethics and AI Ethics Lab, Department of Neurosurgery, University Medical Center Freiburg.

**Silvia Salardi**, Associate Professor of Law and Bioethics, School of Law, University of Milano-Bicocca

**Moderator:** Marta Sosa Navarro, Researcher in International Law, University of Milano-Bicocca.

**Closing remarks and moderator:** Carla Gulotta, Associate Professor of International Law, University of Milano-Bicocca

✳ The workshop will be interpreted simultaneously into Spanish

