

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.

Marialuísa 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)

Short talks and discussion by panel of experts

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

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

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

