



DIPARTIMENTO DI
GIURISPRUDENZA
SCHOOL OF LAW

TecSEDU-Interdepartmental Laboratory on
Emerging Technologies, Society, Ethics, and Human Rights

INTERNATIONAL CONFERENCE ON NEUROTECHNOLOGY IN THE AGE OF HUMAN RIGHTS 2025

17 September, 2025

CONFERENCE PROGRAMME

ORGANIZERS

University of Milano-Bicocca, School of Law,
Professorship of Philosophy of Law and Bioethics
Prof. Silvia Salardi, TecSEDU
with the Editors of the book series
“BioLaw in the 21st Century,”
and in collaboration with Trivent Publishing

Conference live link: TBA





WEDNESDAY
17 September, 2025
09:15 to 19:00 CET

09:15-09:45 Institutional Greetings

Gabriella Pasi, Prorector for International Relations, University of Milano-Bicocca, Italy

Natascia Marchei, Director of the School of Law, University of Milano-Bicocca, Italy

Introduction by the members of the editorial board

Silvia Salardi, School of Law, University of Milano-Bicocca, Italy

Takis Vidalis, International Hellenic University, Greece

Tade M. Spranger, Centre for the Law of Life Sciences, University of Bonn, Germany

09:45-10:30 Keynote Speech

Neurotechnology and Ethics of Human Rights – Some Considerations

Peter G. Kirchschläger, Director of the Institute of Social Ethics, University of Lucern, Switzerland



10:45-12:15 Session I. The current debate on neurorights: perspectives and challenges

Moderator: Roberto Andorno, University of Zurich, Switzerland

Discussants:

Marta Sosa Navarro, TecSEDU, University of Milano-Bicocca, Italy

Gina Gotsi, University of Athens, Greece

Reconceptualizing 'Neurorights' as Fundamental Aspects of Human Nature in Order to Better Understand Eventual Rights

Helen Webster, Saint Louis University's Gnaegi Center for Health Care Ethics, USA

Interdependent rights for independent minds: Conceptual overlaps in neurorights

Miranda Wang, Durham University, Great Britain

Neurotechnologies and the Rise of Neurorights: Legal Challenges in the European Union

Lizaveta Muravieva, Lund University, Sweden

Do we need an EU Neurotechnology Act?

Laura Sloka, University of Wrocław, Poland



12:15-13:30 Session II. Ethical challenges of neurotechnology in vulnerable cases: autonomy, disability, and prediction

Moderator: Fernando Llano Alonso, University of Sevilla, Spain

Discussants

Philipp Kellmeyer, University of Mannheim, Germany

José Antonio Seoane, University of La Coruña, Spain

Self-determination and the Availability of the Neurocognitive Self: De Iure Condendo perspectives between body, brain, and neuro-rights

Beatrice Picollo, University of Bologna, Italy

Screening the Silent: Ethical Dilemmas of Predictive Amyloid PET in Japan

Tamami Fukushi, Tokyo Online University, Japan

Hitoshi Shimada, Niigata University Brain Research Institute

Nobuyuki Shirakawa, Niigata University

Neurotechnology and Disability: Mapping Concepts, Ethical Dilemmas, and Legal frameworks"

Carlos Daniel Granados Dominiguez, University of Sevilla, Spain

"(Non-)Replicable Consciousness: An Ethical and Scientific Problem in the Age of AI

Giordana Truscelli, Università degli Studi di Teramo

13:30-14:00 Lunch break



14:00-14:30 Presentation of the UNESCO Draft Recommendation on Neurosciences

Kriari Ismini, Panteion University, Greece

14:30-15:50 Session III. Human rights, cognitive liberty, freedom of the mind, and enhancement

Moderator: Margareth Vetis Zaganelli, University of Espírito Santo, Brazil

Discussants

Migle Laukyte, University of Pompeu Fabra, Spain

Alessia Farano, University of LUISS Guido Carli, Italy

Neurotechnological cognitive enhancement and human rights: A complex dynamic between empowerment and constraint

Timo Istace, University of Antwerp, Belgium

Reconsidering the absolute nature of the right to freedom of thought

Sjors Ligthart, Tiburg University, The Netherlands

Sovereignty begins in the mind: ethical governance for protecting cognitive liberty

Rachael L. McIntosh, Founder & Executive Director of The Foundation for Bioethics in Technology, USA

Upcycling rights and tailoring laws to neurotechnologies

Giulia Maria Servida, University of Milan



15:50-16:50 Session IV. Neurotechnology, privacy, and criminal law
Moderator: Tade Spranger, University of Bonn, Germany

Discussants

Cristina Zogmaister, President of the Ethics Committee of the
University of Milano-Bicocca, Italy
Robert Field, University of Drexel, USA

Neuro-privacy: from positive law to challenges in criminal proceedings

Fenice Valentina Valenti, Alessandro Manfredi, PhD, University Magna Graecia of
Catanzaro, Italy

The neuroscientific roots of criminal sanction in restorative justice system

Greppi Martina, University of Parma, Italy

*Exposing, Reversing, and Inheriting Crimes as Traumas from the Neurosciences to
Epigenetics: Why Criminal Law Cannot Yet Afford A(nother) Biology-induced Overhaul*

Riccardo Vecellio Segate, University of Groningen, The Netherlands

16:50-17:00 Short break



17:00-18:00 Session V. Neurotechnology and neurorights in a comparative perspective
Moderator: Takis Vidalis, International Hellenic University, Greece

Discussants:

Federico Gustavo Pizzetti, University of Milan, Italy, President of the Italian Society of Neuroethics (SINe)

Anita Mollo, University of Suor Orsola Benincasa, Italy

De iure condendo perspectives on Neurorights: Regulation vs. Deregulation in the Age of Human Rights

Francesco Stocchi, University of Milano-Bicocca, Italy

The Possibilities and Challenges of Neurorights from the Perspective of Japanese Constitutional Law

Masatoshi Kokubo, University of Tokyo

Neurorights: A misstep in legal evolution?

Diego Borbón, Universidad Externado de Colombia, Colombia

Between Ethics and Law: Cognitive and Moral Enhancement in the Neurotechnological Era

Claudia Aniballi, Universidad Carlos III de Madrid



18:00-19:00 Session VI. BCI Immersive Systems, neurotechnology in the workplace and in games: ethical-legal questions

Moderator: Prof. Francesca Poggi, University of Milan, Italy

Discussants

Francesca Gasparini, TecSEDU, University of Milano-Bicocca, Italy

Aurora Saibene, TecSEDU, University of Milano-Bicocca, Italy

Novel Privacy Risks in BCI Immersive System

Julia Scott, Santa Clara University

Do we need new neurorights in the workplace? Analysis from a European perspective

José Miguel Diéguez Rodríguez, University of Vigo

Neurorights applied in neurogames

Diego Saldivar, Neurogame Designer and Developer

The right to remain opaque: neuroscience, intentionality, and the concept of the legal mind

Alessia Del Pizzo

19:00-19:15 Final debate and closing remarks