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# MIND MATTERS: NAVIGATING NEUROETHICS IN THE 21ST CENTURY

## JUNE 5th - 7th 2024

Roma Tre University,  
Department of  
Education Science  
(Via del Castro  
Pretorio 20, Rome)



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# MIND MATTERS: NAVIGATING NEUROETHICS IN THE 21ST CENTURY

## • WEDNESDAY – JUNE 5

### 13:00 Registration

**13:30 Opening Remarks** – Aula Volpi  
Federico Gustavo Pizzetti (University of Milan, SIne President)  
Debra Mathews (Johns Hopkins University, INS President)  
Mario De Caro (Roma Tre University – Tufts University)

### 14:00 Plenary session

– Aula Volpi  
**Chair:** Simone Pollo  
Francesco Ferretti (Roma Tre University)  
*Why stories enchant the brain. The splendors and miseries of an extraordinary human ability*

### 15:00 Parallel session

#### Room 1 – Aula Volpi

**Chair:** Ines Adornetti

Jesper Ryberg – *Criminal Justice and Artificial Intelligence: What is the input problem?*

Francesco Stocchi – *Neurotechnology, Neuropower, and Neurorights*

Frederic Gilbert – *Mind Reading Neurotechnology: A Critical Examination of Neurorights Claims*

Alexander Sobieska and Marcello Ienca – *Neurorights on Youtube: Investigating Ethical Considerations of Neurotechnology in Public Discourse*

#### Room 2 – Aula P1

**Chair:** Mirko Daniel Garasic

Maurizio Balistreri – *Ethics of the Hivemind Society*

Nin Kirkkham and Chris Letheby – *Psychedelics and environmental virtues*

Stefano Pinzan – *Is Kant Afraid of Emotions? An Empirically Informed Analysis*

Elisabetta Sirgiovanni – *Should Dr Robot possess moral empathy?*

#### Room 3 – Aula C05

**Chair:** Michela Balconi

Katia Rovelli, Laura Angioletti and Michela Balconi – *Navigating the Ethical Landscape: unveiling the transformative impact of Digital Technologies on Occupational Stress Assessment*

Carlotta Acconito, Roberta A. Allegretta, Davide Crivelli and Michela Balconi – *How one's emotional and cognitive disposition influence moral decision making: the neuroscientific perspective*

Davide Crivelli, Andrea Bosco, Ambra Bisio, Gabriella Gilli, Antonella Lopez, Giuseppina Spano and Michela Balconi – *Introducing the triadic PNP model of individual wellbeing: psychological balance, neurocognitive efficiency, and physical fitness as core constituents and targets for remote empowerment interventions*

Michela Balconi, Carlotta Acconito, Laura Angioletti, Enrico Bresciani, Federico Bionda and Ruggero Eugeni – *Decision-making processes and ethical choices under the neurofilmological lenses*

### 17:00 Coffee Break

### 17:15 SIne Medal and Biogem Lecture

– Aula Volpi  
**Chair:** Federico Gustavo Pizzetti  
**Laudator:** Mario De Caro  
Michael Tomasello (Duke University) – *Origins of Human Morality*

## • THURSDAY – JUNE 6

### 10:00 Plenary session

– Aula Volpi  
**Chair:** Pietro Pietrini  
Alice Mado Proverbio (University of Milano-Bicocca) – *The Neuroaesthetics of Music: A Neurobiological Perspective*

### 11:00 Coffee Break

### 11:15 Parallel session

#### Room 1 – Aula Volpi

**Chair:** Andrea Lavazza

Alberto Zani, Mauro Marzorati and Alice Mado Proverbio – *Decoding the Impact of Hypoxia on Decision Making Via Behavioral Responses, ERPs, and Intracranial Dipoles*

Corrado Claverini – *The Artificial Sentience Debate: ELIZA Effect and the AI Manipulation Problem*

Thomas Tannou – *Taking risks without knowing it – Ethical and legal impact of self-perception disorders in Alzheimer's disease*

Noa Cohen – *An infodemiology of neurotechnology? How (mis)information affects end-user risk*

#### Room 2 – Aula P1

**Chair:** Sofia Bonicalzi

Dario Cecchini – *Bivalent triadic morality: Integrating the ADC model with the theory of dyadic morality*

Roberta Gambardella – *Response, Responsiveness, Responsibility. A paradigm shift from Brainhood to Personhood*

Fiorella Battaglia, Giuseppe Di Vetta and Gaia Fiorinelli – *Rethinking mental privacy: a philosophical and legal account*

Gianluigi Riva – *Scripta non manent. Erasing the past, rewriting the future: ethical and legal implications of selective memory deletion*

#### Room 3 – Aula C05

**Chair:** Federico Gustavo Pizzetti

Marco Viola – *(Mis)decoding affect from faces and brains. Some cautionary notes*

Marco Fasoli and Guido Cassinadri – *The technological cognitive diminishment hypothesis (TCDH)*

Orestis Palermos – *Extended Mental Integrity*

Guido Cassinadri and Marcello Ienca – *Non-voluntary BCI Explanation: Assessing Possible Neurorights Violations in Light of Embedded and Extended Cognition*

### 13:15 Lunch

### 14:30 Plenary session

– Aula Volpi  
**Chair:** Simone Gozzano  
Martin Monti (University of California Los Angeles) – *Translating the science of disorders of consciousness into ethical clinical practice* (online)

### 15:15 Parallel session

#### Room 1 – Aula Volpi

**Chair:** Federico Gustavo Pizzetti

Laura Angioletti and Michela Balconi – *Treating behavioral addictions with neurotechnological interventions? A critical discussion of potential risks and benefits*

Ambra D'Imperio, Jantzi Camille, Maurice W.D Stauffacher, Raffaele Larussa, Georg Starke and Marcello Ienca – *Death beyond the Alps: a comparative qualitative analysis of end of life care and assisted suicide in two neighboring countries, Italy and Switzerland*

#### Room 2 – Aula P1

**Chair:** Andrea Lavazza

Thomas Sørbæk Petersen – *On the benefits and challenges of using ethical guidelines to regulate the use of AI in sport*

Mirko Daniel Garasic – *Extending minds in sports: if I am my brainchip, where does doping begin?*

#### Room 3 – Aula C05

**Chair:** Pietro Pietrini

Matteo Cerri – *The Ethical-Industrial-Academic Nexus: How Our Understanding of Brain Physiology May Be Hindered by the Dominance of a Single Animal Model: The Mouse*

Sara Palumbo, Pietro Muratori, Veronica Mariotti, Lucia Billeci, Valentina Levantini, Emanuela Inguaggiato, Gabriele Masi, Annarita Milone and Silvia Pellegrini – *Novel evidence about the role of the MAOA-Low-activity alleles in increasing the individual susceptibility to the environment*

### 16:15 Coffee Break

### 16:30 Plenary session

– Aula Volpi  
**Chair:** Massimo Reichlin  
Petter Johansson (Lund University) – *Choice blindness, self-knowledge and the future of moral decision making*

### 17:30 SIne Meeting

### 20:00 Social Dinner

## • FRIDAY – JUNE 7

### 9:30 Plenary session

– Aula Volpi  
**Chair:** Matteo Cerri  
Michele Farisco (Biogem, Molecular Biology and Genetics Research Centre – Centre for Research Ethics and Bioethics, Uppsala University) – *Neuroethics and cultural diversity*

### 10:30 Coffee Break

### 10:45 Plenary session

– Aula Volpi  
**Chair:** Andrea Lavazza  
Silvia Pellegrini (University of Pisa) – *From Genes to Mind and Back*

### 11:45 SIne Medal

– Aula Volpi  
**Chair:** Massimo Dell'Utri  
**Laudator:** Sofia Bonicalzi  
Neil Levy (Macquarie University – University of Oxford) – *The Rationality of Political Beliefs*

### 13:15 Closing remarks

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### 15:00 Satellite event –Workshop with Neil Levy on Bad Beliefs: Why They Happen to Good People (OUP, 2021) – Aula Volpi

**Discussants:** Guido Baggio, Andrei Bespalov, Sofia Bonicalzi, Alessandra Chiera, Michel Croce, Mario De Caro, Silvia De Toffoli, Mauro Dorato, Luca Fomesu, Mirko Daniel Garasic, Lorenzo Greco, Anna Ichino, Emiliano Loria, Matteo Morganti, Teodosio Orlando, Chiara Palazzolo, Tommaso Piazza, Simone Pollo, Gino Roncaglia, Eleonora Severini, Fabio Sterpetti, Marco Viola