

## SCIENTIFIC AND ORGANIZING COMMITTEE

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Marcello Lenca (EPFL, Lausanne)  
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Sara Palumbo (University of Pisa)  
Silvia Pellegrini (University of Pisa)  
Pietro Pietrini (Scuola IMT Alti Studi Lucca)  
Massimo Reichlin (Vita-Salute San Raffaele University, Milan)  
Sarah Songhorian (Vita-Salute San Raffaele University, Milan)

## ORGANIZING SECRETARY

Sarah Songhorian  
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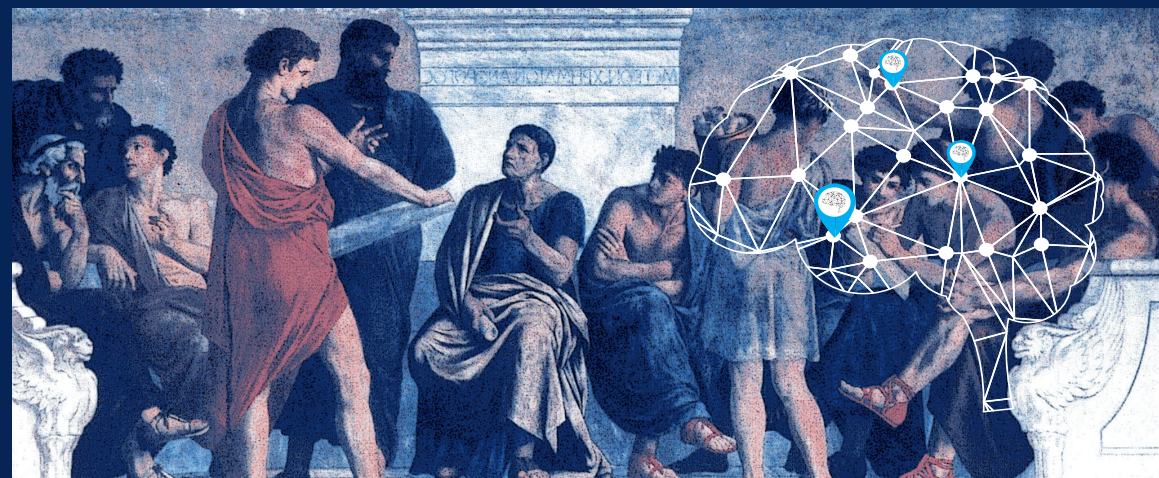
News and information about the Conference are available  
on the SIne website: <https://societadineuroetica.wordpress.com/>

**MAY 10<sup>th</sup> - 12<sup>th</sup>**  
**2023**  
MAY 10<sup>th</sup> PISA  
MAY 11<sup>th</sup> LUCCA  
MAY 12<sup>th</sup> PISA



## MAPPING NEW CHALLENGES IN THE NEUROETHICAL LANDSCAPE

9<sup>th</sup> Conference of the Italian Society for Neuroethics (SIne)  
and 14<sup>th</sup> International Scientific Conference on Neuroethics



The School of Aristotle by Gustav Adolph Spangenberg - Brain: designed by Harryarts / Freepik - Graphic composition: CIDIC Centro per l'Innovazione e la Diffusione della Cultura - Unipi



In collaborazione con



# Mapping New Challenges in the Neuroethical Landscape

9<sup>th</sup> Conference of the Italian Society for Neuroethics (SINe)

and 14<sup>th</sup> International Scientific Conference on Neuroethics

May 10<sup>th</sup> - 12<sup>th</sup>, 2023 Pisa-Lucca

**Wednesday - May 10<sup>th</sup>**

**PISA Polo Congressuale Le Benedettine**

13:30 Registration

Aula A

14:00 Opening Remarks

14:30 - 16:30 PLENARY SESSION

Chair: **Federico Gustavo Pizzetti**

**Jonathan Pugh** (University of Oxford)

*The ethics of neuro-doping*

**Joseph J. Fins** - INS President (Weill Cornell Medical College, New York).

*Cognitive restoration, neuroethics and disability rights: narratives from the central thalamic stimulation for TBI study*

16:30 - 17:00 Coffee Break

Aula A

17:00 - 18:30 SINe Medal for Philosophy

Chair: **Adriano Fabris**

Laudator: **Andrea Lavazza**

**Patricia Churchland** (University of California, San Diego)

*The brain basis for morality*

**Thursday - May 11<sup>th</sup>**

**LUCCA Scuola IMT Alti Studi Lucca**

Cappella Guinigi (San Francesco Complex)

9:00 - 11:00 PLENARY SESSION

Chair: **Emiliano Ricciardi**

**Serena Bovetti** (University of Turin)

*Whole-brain representation of imprinted scents*

**Luciano Fadiga** (University of Ferrara)

*Brain representations from a neurophysiological perspective*

Sala Canova (San Francesco Complex)

11:00 - 11:30 *Coffee Break* - POSTER SESSION

11:30 - 13:00 PARALLEL SESSIONS - Contributed papers

Cappella Guinigi (San Francesco Complex)

Chair: **Mirko D. Garasic**

**Luca Malatesti, Iris Vidmar Jovanović.** *The narrative approach to the moral landscape of individuals with antisocial personalities: some conceptual issues*

**Emiliano Loria, Elisabetta Lalumera.** *Moralising psychiatric care. The case of psilocybin for the treatment of drug-resistant depression and the psychedelic paradox*

**Federico Zilio.** *Does consciousness fluctuate in complete locked-in syndrome? A neuroethical analysis through an empirical and conceptual approach*

Conference Room (San Ponziano Complex)

Chair: **Sofia Bonicalzi**

**Dario Cecchini.** *Moral intuitions and the reliability challenge*

**Federico Bina.** *Computational Neuroethics*

**Alejandro Rosas.** *Moral science: cognitive architecture and moral disagreement*

Sala Convegni (San Micheletto Complex)

Chair: **Gustavo Cevolani**

**Giulia Ghidini, Giuseppe Sartori, Cristina Scarpazza.** *I bias cognitivi e la loro influenza sull'esito processuale*

**Fiorella Battaglia, Giuseppe Di Vetta.** *The privacy of the mental and the latest surveillance*

**Corrado Claverini, Chiara Montalti.** *Children and the ethical use of artificial intelligence*

Sala Canova (San Francesco Complex)

13:00 - 14:30 *Lunch*

14:30 - 16:30 PARALLEL SESSIONS - Contributed papers

Cappella Guinigi (San Francesco Complex)

Chair: **Camilla Colombo**

**Mirko Daniel Garasic.** *Avatars, extended reality and virtual rights*

**Ozan Erözden.** *Dominium in the age of neurotechnologies: who is the subject of neurorights?*

**Vera Tesink.** *The right to mental integrity and the extended mind*

**Alberto Carrio.** *Safeguarding athlete's neuro-rights in sport. The failure of AI's regulation in sport*

Conference Room (San Ponziano Complex)

Chair: **Luca Cecchetti**

**Guido Cassinadri, Marco Fasoli.** *The assessment of capacities of cognitive tool-users: from extended to integrated cognitive systems*

**Tom Buller.** *Cognitive agency and neurotechnology*

**Giulia Leonetti, Marco Facchin.** *Extended animal cognition*

**Giacomo Zanotti.** *The meta-problem of artificial consciousness and moral status*

Sala Convegni (San Micheletto Complex)

Chair: **Sara Palumbo, Giulio Bernardi**

**Luca Grion.** *Neuro-doping: equità, autonomia e autenticità alla prova tecniche di stimolazione transcranica*

**Ivan Mladenovic.** *How neuroscience can help us for understanding and reducing political polarization*

**Noa Cohen.** *A call for the demystification of neuroscience as a neuroethical imperative*

**Katharina Trettenbach.** *Of potential and potential pitfalls: polygenic scores, psychiatry, and the clinical encounter*

Sala Canova (San Francesco Complex)

16:30 - 17:00 *Coffee Break* - POSTER SESSION

Cappella Guinigi (San Francesco Complex)  
17:00 - 18:00 PLENARY SESSION

Chair: **Marcello Ienca**

**Silvestro Micera** (Sant'Anna School of Advanced Studies, Pisa)  
*Implantable and wearable systems to restore and augment sensory-motor functions: opportunities and (ethical) challenges*

Cappella Guinigi (San Francesco Complex)  
18:00 SINE Meeting

Ristorante Mecenate, Via del Fosso 94, Lucca  
20:30 Social Dinner

## Friday - May 12<sup>th</sup> PISA Polo Congressuale Le Benedettine

Aula A  
9:00 - 10:00 PLENARY SESSION

Chair: **Sofia Bonicalzi**

Edouard Machery (University of Pittsburgh)  
*No luck for moral luck*

10:00 - 11:00 PARALLEL SESSIONS - Contributed papers

Aula A

Chair: **Andrea Lavazza**

**Davide Crivelli, Michela Balconi**. *Effects of a wearable-enhanced neuroempowerment protocol on higher cognitive functions in managers*  
**Laura Angioletti, Carlotta Acconito, Katia Rovelli, Davide Crivelli, Michela Balconi**. *Neuroempowerment for age management in high-level professional contexts: a comparison of junior and senior managers*

Aula B

Chair: **Marcello Ienca**

**Marianna Capasso, Alberto Pirni, Paolo Dario**. *Robot Nudging. An ethical exploration of an emerging practice in human-robot interaction*  
**Guido Cassinadri, Alberto Pirni**. *From an extended to a relational interpretation of the right to mental integrity*

Aula E

Chair: **Silvia Pellegrini**

**Andrew Barnhart, Kris Dierickx**. *A tale of two chimeras: applying the six principles to human brain organoid xenotransplantation*

**Alice Andrea Chinaia**. *Brain organoids as models: neuroethics and epistemology*

11:00 - 11:30 Coffee Break

Aula A

11:30 - 13:00 SINE Medal for Neuroscience

Chair: **Federico Gustavo Pizzetti**

Laudator: **Pietro Pietrini**

**Helen Mayberg** (Mount Sinai Health System, New York)  
*What is well? Reconciling first- and third-person perspectives on depression recovery with deep brain stimulation*

13:00 Closing remarks

Aula A

14:30 - 17:30 Satellite (hybrid) Event

Neurotechnologies and neurorights: the international debate

FIRST SESSION: Ethical issues

Chair: **Marcello Ienca**

**Joe Fins** (Cornell University, New York)

**Philipp Kellmeyer** (Freiburg University)

**Gerben Meynen** (Vrije Universiteit)

**Sarah Songhorian** (Vita-Salute San Raffaele University, Milan)

SECOND SESSION: Legal issues

Chair: **Andrea Lavazza**

**Susie Alegre** (International Human Rights Lawyer, London)

**Sjors Ligthart** (Tilburg University)

**Federico Gustavo Pizzetti** (University of Milan)

**Marta Maria Sosa Navarro** (Bicocca University, Milan)