

*International Scientific Conference on Neuroethics and Fourth Conference of the Italian Society
for Neuroethics (SINe)*

MIND, BRAIN, AND BODY. A NEUROETHICAL PERSPECTIVE
Meetings on Neuroscience and Society, IX Edition

Padua, May 17th – 19th, 2017

University of Padua

School of Psychology, Cesare Musatti Room, via Venezia, 8

Scientific and Organizing Committee:

Michele Di Francesco, IUSS, Pavia (SINe president)

Andrea Lavazza, Centro Universitario Internazionale, Arezzo

Giulia Piredda, IUSS, Pavia

Giuseppe Sartori, University of Padua

Sarah Songhorian, Vita-Salute San Raffaele University, Milan



Wednesday – May 17th

10:00 **Registration**

10:30 **Opening Remarks**

11:00 – 12:00 **Ethical Challenges for Self-Driving Cars**

Jean-François Bonnefon (Toulouse School of Economics)

Chair: Andrea Lavazza (Centro Universitario Internazionale, Arezzo)

12:00 – 13:15 **Parallel session – Contributed papers**

Musatti Room and DPSS Meeting Room

Musatti Room – parallel session 1

1. *Hacking Minds, Hacking Brains, Hacking Augmented Bodies: Ethical Aspects of Neurohacking*
Marcello Ienca (University of Basel)

2. *The Reassembly of a Withering Mind: Values at Stake in Treating Neurodegenerative Disease*

David Lyreskog (University of Twente, and the 4TU Centre for Ethics and Technology,
Netherlands)

Chair: Massimo Reichlin (Vita-Salute San Raffaele University, Milan)

DPSS Meeting Room – parallel session 2

1. *A “Ghost in the Shell”? Locked-In Syndrome and the Hypothesis of Disembodied Mind*

Federico Zilio (University of Padua)

2. *Analyzing B-Formats: Some Conceptual Clarifications of Embodied Cognition*

Agostino Pinna Pintor (FINO Consortium)

Chair: Giulia Piredda (IUSS, Pavia)

13:15 – 14:30 Lunch

14:30 – 15:30 Why We Act When We Act: How Brain, Body, and Environment Interact in the Generation of Voluntary Action

Aaron Schurger (French National Institute for Health & Medical Research –INSERM)

Chair: Giuseppe Sartori (University of Padua)

15:30 – 16:45 *Parallel session – Contributed papers*

Musatti Room and DPSS Meeting Room

Musatti Room – parallel session 1

1. *The Mechanization of Love*

Mirko Garasic (IMT School for Advanced Studies, Lucca)

2. *Emotion as Functional states: A Reductio ad Absurdum*

Marco Viola (IUSS Pavia – Vita-Salute San Raffaele University)

Chair: Marco Fasoli (University of Milano-Bicocca)

DPSS Meeting Room – parallel session 2

1. *The Cognitive Control Process and the Emotion Regulation Strategies: Alternative Way for Testing the Double-Process Theory (HRV-RMSSD)*

Andrea Terenzi (Vita-Salute San Raffaele University), Regina Gregori Grgic (Vita-Salute San Raffaele University), Anna Ogliari (Vita-Salute San Raffaele University), Roberto Mordacci (Vita-Salute San Raffaele University) and Alessandro Scano (CNR)

2. Assessing the Impact of Imaging Studies in Psychotic Disorders and Schizophrenia: Clinical Research, Translational Efforts and Ethical Issues Involved

Paolo Corsico (Centre for Social Ethics and Policy, The University of Manchester)

Chair: Pierdaniele Giaretta (University of Padua)

16:45 – 17:15 Coffee Break and Poster Session

17:15 – 18:15 Intentions and Motor Representations: The Interface Challenge

Elisabeth Pacherie (Institut Jean Nicod, CNRS UMR 8129, Institut d'Étude de la Cognition, École Normale Supérieure & PSL Research University, Paris)

Chair: Fabio Paglieri (ISTC – CNR)



Thursday – May 18th

9:30 – 10:30 Neuroethics and Brain Function

Edmund T. Rolls (Oxford Centre for Computational Neuroscience)

Chair: Vittorio A. Sironi (University of Milano-Bicocca)

10:30 -11:00 Coffee Break and Poster Session

11:00 – 12:15 *Parallel session – Contributed papers*

Musatti Room, DPSS Meeting Room and DPG 1

Musatti Room – parallel session 1

1. *Ethical Implications of Indeterminate Cases of Consciousness*

David Mathers (Independent Researcher – DPhil Philosophy Oxford)

2. *Consciousness in Comatose Clowns: No Funny Business*

Mary Gregg (University of Mississippi)

Chair: Luigi Pastore (University of Bari)

DPSS Meeting Room – parallel session 2

1. *Affective and Cooperative Interactions Modulate Brain Connectivity within the Action Observation Network*

Maria Arioli (NEtS Center, School for Advanced Studies (IUSS); Division of Neuroscience, IRCCS San Raffaele, Milan), Nicola Canessa (NEtS Center, School for Advanced Studies (IUSS); Division of Neuroscience, IRCCS San Raffaele, Milan), Daniela Perani (Division of Neuroscience, IRCCS San Raffaele, Milan; Nuclear Medicine Unit, Ospedale San Raffaele, Milan; Vita-Salute San Raffaele University, Milan), Alice Mado Proverbio (NeuroMi - Milan Center for Neuroscience, Dept. of Psychology, University of Milano-Bicocca, Milan), Alberto Zani (Institute of Bioimaging and Molecular Physiology, IBFM-CNR, Milan), Andrea Falini (Neuroradiology Unit, IRCCS Ospedale San Raffaele, Milan) and Stefano Cappa (NEtS Center, School for Advanced Studies (IUSS); Division of Neuroscience, IRCCS San Raffaele, Milan)

2. The Body of Sociability. A Neuroethical Reflection on Autism Spectrum Disorders, Robotics-based and Animal Assisted Intervention

Mattia Della Rocca (University of Pisa)

Chair: Michela Balconi (Università Cattolica del Sacro Cuore, Milan)

Room DPG 1 – parallel session 3

1. Human Morality as an Evolutionary Byproduct: a Phylogenetic, Ontogenetic and Neuroscientific Perspective

Andrés Richart (University of Valencia)

2. Between Reasonability and Confabulation: The Counterintuitive Ground of Action. A Bourdieusian Approach to Neuroethics

Miriam Aiello (Roma Tre University)

Chair: Alberto Carrara (Regina Apostolorum)

12:15 – 14:30 Lunch

14:30 – 15:45 **Parallel session – Contributed papers**

Musatti Room, DPSS Meeting Room and DPG 1

Musatti Room – parallel session 1

1. Phenomenal Intentionality and the Unconscious Mind

Alfredo Tomasetta (IUSS Pavia)

2. Free Will beyond the (Conscious) Brain? Natural Autonomy Perspective

Mateusz Jarmuzewski (KU Leuven)

Chair: Mario De Caro (Roma Tre University)

DPSS Meeting Room – parallel session 2

1. rTMS on DLPFC and Autonomic Facial Feedback Increase Prosocial Behaviour

Lorenzo Nari (Università Cattolica del Sacro Cuore, Milan), Davide Crivelli (Università Cattolica del Sacro Cuore, Milan) and Michela Balconi (Università Cattolica del Sacro Cuore, Milan)

2. “Is it Moral or Strategic?”: Prospective and Strategic Thinking in School-Age Children

Cinzia Di Dio (Università Cattolica del Sacro Cuore, Milan), Elisabetta Lombardi (Università Cattolica del Sacro Cuore, Milan), Ilaria Castelli (University of Bergamo), Davide Massaro (Università Cattolica del Sacro Cuore, Milan) and Antonella Marchetti (Università Cattolica del Sacro Cuore, Milan)

Chair: Sara Dellantonio (University of Trento)

Room DPG 1 – parallel session 3

1. Habermas’s Discourse Principle between Political Theory and Experimental Studies about Collective Reasoning

Gabriele Giacomini (Independent Researcher – Vita-Salute San Raffaele University)

2. What Should We Expect from a Solution to the “Hard Problem of Consciousness”? A Historical Perspective

Paolo Pecere (University of Cassino)

Chair: Federico Gustavo Pizzetti (University of Milan)

15:45 – 16:00 Coffee Break and Poster Session

16:00 – 17:30 *Lectio Magistralis*

A Joint in Nature between Cognition and Perception without Modularity of Perception

Ned Block (New York University)

awarded with the SINE Medal by Alfredo Paternoster (University of Bergamo) and by Michele Di Francesco (IUSS, Pavia – SINE president)

18:00 SINE Meeting

20:30 Social Dinner



Friday – May 19th

9:30 – 10:30 **Acting with the Hands and with the Mouth: From Affordances to Abstract Concepts**

Anna M. Borghi (Sapienza University of Rome – ISTC-CNR, Rome)

Chair: Patrizia Bisiacchi (University of Padua)

10:35 – 11:50 *Parallel session – Contributed papers*

Parallel Sessions – Musatti Room and DPSS Meeting Room

Musatti Room – parallel session 1

1. *Breaking down Consciousness: Hints for a Conceptual Clarification of the Notion of “Altered States” from Psychedelics Studies*

Alessio Bucci (University of Torino)

2. *Ethical Issues in Alzheimer's Researchers with Human Subjects*

Dena Davis (Lehigh University)

Chair: Matteo Cerri (University of Bologna)

DPSS Meeting Room – parallel session 2

1. *Do Pictures Afford Action?*

Gabriele Ferretti (University of Urbino Carlo Bo)

2. *From Ecological Perception to Mirror Self-Recognition: Why First-Person Perspective does not Entail Self-Representation*

Mariaflavia Cascelli (Roma Tre University)

Chair: Raffaella Rumiati (SISSA)

11:50 – 12:10 Coffee Break

12:10 – 13:40 *Lectio Magistralis*

Consciousness: From Phenomenology to Physics

Giulio Tononi (University of Wisconsin, Madison)

awarded with the SINE Medal by Pietro Pietrini (IMT School for Advances Studies, Lucca) and by Michele Di Francesco (IUSS, Pavia – SINE president)

13:40 Closing Remarks



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News and information about the Conference are available on the SINE website:

<https://societadineuroetica.wordpress.com/>