

**10<sup>th</sup> International Scientific Conference on Neuroethics and 5<sup>th</sup> Conference of the Italian Society for Neuroethics (SINe)**

**NEUROETHICS: RE-MAPPING THE FIELD  
Meetings on Neuroscience and Society, X Edition**

**May 16<sup>th</sup> – 18<sup>th</sup>, 2018**  
**Vita-Salute San Raffaele University, Milan**  
**DIBIT 1, Via Olgettina 58**

**Scientific and Organizing Committee**

Michele Di Francesco, IUSS, Pavia (SINe President)  
Massimo Reichlin, Vita-Salute San Raffaele University  
Andrea Lavazza, Centro Universitario Internazionale, Arezzo  
Michela Balconi, Catholic University of the Sacred Heart, Milan  
Giulia Piredda, IUSS, Pavia  
Corrado Sinigaglia, University of Milan  
Sarah Songhorian, Vita-Salute San Raffaele University

**Wednesday – May 16<sup>th</sup>**

10:00 **Registration**

10:30 **Opening Remarks**

11:00 – 13:00 **Plenary session – Neurolaw**

Hank Greely (Stanford University) - *15 Years of Law and Neuroscience: An American View*

Giuseppe Sartori (University of Padua) - *Neuroscience in Court: Scientific Assessment of Free Will and Related Issues*

*Chair:* Pietro Pietrini (Lucca)

13:00 – 14:15 Lunch

14:15 – 15:45 **Parallel sessions – Contributed papers**

Room 1

Margot Zanetti (Rome), *Le neuroscienze nella fase di esecuzione della pena: introduzione auspicabile?*

Cristina Scarpazza (Padua), Stefano Ferracuti (Rome), Alessio Miolla (Padua) and Giuseppe Sartori (Padua), *Il fascino delle neuroimmagini nella valutazione dell'imputabilità: linee guida per evitare la malinterpretazione dei risultati*

Maria Felice Pacitto (Cassino), *Neuroetica e Mindfulness: la Mindfulness apre nuove prospettive di ricerca nell'ambito dei comportamenti prosociali e della moralità*

*Chair:* Alberto Carrara (Roma)

Room 2

Anna Sierawska (Kiel), *Unmet Needs in Children with ADHD - Can Transcranial Direct Current Stimulation (tDCS) Fill the Gap?*

Frederic Gilbert (Washington), *Artificial Intelligence & Brain Implants: What Could Phenomenologically Go Wrong?*

Koji Tachibana (Kumamoto), *A Neuroethical Concern about the Clinical Application of Recent Neurofeedback Techniques*

Chair: Daniela Perani (Milan)

Room 3

Lisa Forsberg (Oxford), *Neurointerventions - A Challenge for English Civil Law on Consent?*

Frej Klem Thomsen (Roskilde), *The Trials and Travails of Cognitive Science Compatible, Retributive Desert-Generating Moral Responsibility*

Cara Warmuth (Hannover), *Neurodegeneration in the Elderly and the Loss of Rights*

Chair: Federico Gustavo Pizzetti (Milan)

15:45 – 16:15 Coffee Break

16:15 – 18:15 **Plenary session – *Free Will, Consciousness, and Philosophy of Cognitive Science***

Valeria Gazzola (Netherlands Institute of Neuroscience) - *tha*

Patrick Haggard (University College London) - *Volition, Agency and Values: Can Cognitive Neuroscience Tell Us Anything Relevant for Ethics?*

Chair: Roberto Mordacci (Milan)

**Thursday – May 17<sup>th</sup>**

9:30 – 11:30 **Plenary session – *Cognitive Enhancement***

Lorenza S. Colzato (Leiden University) - *“Responsible” Cognitive Enhancement: Neuroethical Considerations*

Thomas Douglas (University of Oxford) - *What’s Wrong with Mandatory Neuroenhancement?*

Chair: Andrea Lavazza (Arezzo)

11:30 -12:00 Coffee Break

12:00 –13:00 **Parallel sessions – *Contributed papers***

Room 1

Alfredo Tomasetta (Pavia), *Are there Unconscious Minds?*

Alberto Barbieri (Pavia), *What Is It Like to Be a Mental State? Some Considerations on The Creature/ State Consciousness Distinction*

Chair: Elisabetta Sacchi (Milan)

Room 2

Marco Viola (Pavia) and Gabriele Ferretti (Firenze), *Philosophy and Neuroscience: A Roundtrip*

Eugenia Kulakova (London), Sofia Bonicalzi (Munich) and Patrick Haggard (London), *Two Modes of Third-Party Judgment: Neural Correlates of Evaluating Responsibility and Intention in Action and Omission Scenarios*

Chair: Giulia Piredda (Pavia)

Room 3

Alejandro Rosas (Bogotá), *Hot Utilitarianism and Cold Deontology: Response Patterns to a Set of Moral Dilemmas Containing Sacrificial and “Real-World” Utilitarian Items*

Cinzia Di Dio (Milan), Federico Manzi (Milan – Neuchâtel), Shoji Itakura (Kyoto), Takayuki Kanda (Kyoto), Hiroshi Ishiguro (Kyoto – Osaka), Davide Massaro (Milan) and Antonella Marchetti (Milan), *Being Fair to a Robot: “Shall I Treat It Like Him?”, a Five Years Old Wonders*

Chair: Matteo Cerri (Bologna)

13:00 – 14:15 Lunch

14:15 – 15:45 **Parallel sessions – *Contributed papers***

Room 1

*Symposium - New Paradigms and Multimethodology for Social Inter-Actions in Normal and Clinical Domain*

Michela Balconi (Milan), Giulia Fronda (Milan), **Daniela De Filippis** (Milan) and Davide Crivelli (Milan), *New Paradigms for Analysis of Emotional Behavior. Co-Registration of Hemodynamic (fNIRS), EEG and Autonomic Emotional Correlates*

**Laura Angioletti** (Milan), Chiara Siri (Milan), Nicoletta Meucci (Milan) and Michela Balconi (Milan), *Personality Traits and Cortical Activity Explored by Optical Imaging Affect Gambling Behavior in Parkinson's Disease*

**Daniela De Filippis** (Milan), Maurizio Bossola (Milan), Laura Angioletti (Milan) and Michela Balconi (Milan), *Fatigue and Reward System in Hemodialysis Patients: Integrating New Methods and Perspectives to Assess Chronic Patients*

**Davide Crivelli** (Milan), Giulia Fronda (Milan), Irene Venturella (Milan) and Michela Balconi (Milan), *Perspectives in Neuro-Enhancement: Supporting Mindfulness Mental Training with Wearable Devices*

Irene Venturella (Milan), Davide Crivelli (Milan), **Giulia Fronda** (Milan) and Michela Balconi (Milan), *Neurocognitive Enhancement: Mindfulness Practices Applied to Management*

*Chair:* Michela Balconi (Milan)

Room 2

Mirko Garasic (Rome – Lucca), *In War as in Work, Sky is the Limit...but What are we Enhancing with our Performance Exactly?*

Thomas Soebirk Petersen (Roskilde), *Should the State Prohibit Healthy People's Use of Medical Cognitive Enhancers? A Critical Discussion of the Argument from Coercion and the Argument from Individualization*

Gardar Arnason (Tübingen), *Cognitive Enhancement in Primate Models in the Neurosciences*

*Chair:* Vittorio A. Sironi (Milano)

Room 3

Nada Gligorov (New York), *One-Track Enhancement*

Marcello Ienca (Zurich), *Using Big-Data and Artificial Intelligence in Brain and Mental Health: Promises and Challenges*

Cecily Whiteley (London), *Free Will, Neuroscience and Mechanistic Explanation: Reassessing the Threat from Unconscious Initiation of Action*

*Chair:* Sarah Songhorian (Milan)

15:45 – 16:15 Coffee Break

16:15 – 17:45 **Lectio Magistralis**

**Direct Brain Stimulation and Agency**

Adina Roskies (Dartmouth College)

*awarded with the SINE Medal* by Mario De Caro (University of Roma Tre – Tufts University)

*Chair:* Michele Di Francesco (Pavia)

18:00 SINE Meeting

20:30 Social Dinner

**Friday – May 18<sup>th</sup>**

9:00 – 11:00 **Plenary session – Clinical Applications of Technological Innovations**

Ralf J. Jox (University of Munich) - *Advances in Brain-Computer Interface Technology and Insights from an Ethical Assessment Study*

Alberto Priori (University of Milan) – *Adaptive Deep Brain Stimulation*

*Chair:* Gianvito Martino (Milan)

11:00 – 11:30 Coffee Break

11:30 – 13:00 **Parallel sessions – Contributed papers**

Room 1

Sara Palumbo (Pisa), Veronica Mariotti (Pisa), Giuseppina Rota (Pisa), Laura Lucchi (Lucca) and Silvia Pellegrini (Pisa), *Genetic Profiles of the OXTR Gene Modulate Moral Acceptability in Insurance Brokers*

Luca Casartelli (Milan), *High Stages of The Motor Hierarchy: Distinct (Motor) Computations and Their Putative Role in Autism*

Maria Arioli (Pavia) and Nicola Canessa (Pavia), *Understanding Social Interactions: A Neuroimaging Coordinate-Based Meta-Analysis*

*Chair:* Anna Ogliari (Milan)

Room 2

Daniel Pallarés Domínguez (Castellón), *Neuroethics: Which Neurorationality?*

Gustavo Cevolani (Lucca) and Luca Cecchetti (Lucca), *Abduction, Reverse Inference, and the Neuroscience of Moral Reasoning*

Roberto Fumagalli (London – Philadelphia), *(F)utility Exposed*

*Chair:* Carlo Martini (Milan)

Room 3

Mara Rocca (Milan), Ermelinda De Meo (Milan) and Massimo Filippi (Milan), *Neuroimaging Correlates of Empathy behind Different Dietary Habits*

Ermelinda De Meo (Milan), Mara Rocca (Milan), Gianna Riccitelli (Milan), Alessandro Meani (Milan) and Massimo Filippi (Milan), *Influence of Dietary Habits and Empathy on Visual Processing of Pictures with Different Emotive-Affective Values*

*Chair:* Marcello Massimini (Milan)

13:00 – 14:00 Lunch

14:00 – 16:00 **Plenary session – Moral Cognition**

Elisabetta Sirgiiovanni (Sapienza University of Rome, Museum of the History of Medicine) - *Self-Control, Emotions, and Responsibility*

Luca Surian (University of Trento) - *Looking for the Origins of Inequality Aversion and Moral Judgment*

*Chair:* Massimo Reichlin (Milan)

16:00 – 16:30 Coffee Break

16:30 – 18:00 **Lectio Magistralis**

**Human Morality: Features and Bugs**

Joshua D. Greene (Harvard University)

*awarded with the SINE Medal by Laura Boella (University of Milan)*

*Chair:* Michele Di Francesco (Pavia)

**Organizing Secretary**

Sarah Songhorian, Vita-Salute San Raffaele University

Giulia Piredda, IUSS, Pavia

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

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