

FRIDAY - MAY 18TH

9:00 - 11:00 Plenary session - CLINICAL APPLICATIONS OF TECHNOLOGICAL INNOVATIONS

Room Newton

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 - Newton

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 - Bacone

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

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 - Koch

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 Riccietelli** (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

Room Newton

Elisabetta Sirigiovanni (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

Room Newton

Joshua D. Greene (Harvard University)

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

Chair: **Michele Di Francesco** (Pavia)

SCIENTIFIC AND ORGANIZING COMMITTEE

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CeSEP
Centro Studi di Etica e Politica

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

10th International Scientific Conference on Neuroethics and
5th Conference of the Italian Society for Neuroethics (SINe)

May 16th - 18th, 2018

Vita-Salute San Raffaele University, Milan · DIBIT 1, Via Olgettina 58

WEDNESDAY - MAY 16TH

10:00 Registration

10:30 Opening Remarks

11:00 - 13:00 Plenary Session - NEUROLAW

Room Newton

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 - Newton

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 - Bacone

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 - Koch

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

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

Room Newton

Valeria Gazzola (Netherlands Institute of Neuroscience), *The Role of Vicarious Activity in Perception and (Pro)Social Behavior*

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

Chair: **Roberto Mordacci** (Milan)

THURSDAY - MAY 17TH

9:30 - 11:30 Plenary session - COGNITIVE ENHANCEMENT

Room Newton

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 - Newton

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

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

Chair: **Elisabetta Sacchi** (Milan)

Room 2 - Bacone

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 - Koch

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 - Newton

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** (Rome), **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 - Bacone

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 - Koch

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

Room Newton

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*