



# FUTURE EMERGING TECHNOLOGY IN NEUROSCIENCE ETHICS AND SOCIAL IMPLICATION RELATED TO SYNCH PROJECT

THURSDAY, 20TH APRIL

BARCO TEATRO, VIA ORTO BOTANICO, 12, 35123 PADOVA PD

9.30 Institution greetings

Stefano Vassanelli, University of Padova, Introduction

Federico Neresini & Barbara Morsello, University of Padova, Connecting Brain and spiking artificial neuronal networks with memristive synapses: social and ethical implication

Alexei Grinbaum, Université Paris-Saclay, Core ethical dilemmas in neurotechnologies

11.30-12.00 Coffee break

Antonio Maturo, University of Bologna, Fairness in AI: A sociological perspective

13.00-14.00 Lunch

Nello Cristianini, University of Bath, Interfacing Brains and Machines, the perspective of AI

Alessandro Sperduti, University of Padova, The impact of Large Deep Models

15.30 - 16.00 Coffee break

Round Table - Interventions, clinical practices, and patient's perspectives

Chair: Stefano Vassanelli, University of Padova

Discussant:

Maurizio Corbetta, University of Padova

Angelo Antonini, University of Padova

Andrea Landi, University of Padova

Francesco Miele, University of Trieste

17.15-18.00 Final discussion



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