



MLJC - Presentazione progetti ed attività a.a. 22/23

GIOVEDÌ 10 NOVEMBRE 2022 dalle 16:00 alle 19:00

Via Pietro Giuria 1, Dipartimento di Fisica, AULA MAGNA

Presentazione dell'associazione 16:00

Letizia Pizzini (UniTO PhD student)

Medical AI and BCI projects 16:20

Brief overview of Brain Computer Interfaces
Working with EEG helmets: signal acquisition and processing
Neuromuscular signal for real-time control of prosthetic hand
Early diagnosis of gynecological cancers with machine learning

Gabriele Penna (PoliTo student) Arianna Di Bernardo (Ecole Normale Supérieure PhD student)
Vincenzo Triglione (UniTo student) Elios Ghinato (PoliTO student) Pio Raffaele Fina (SynDiag)

Symmetries projects 17:10

Geometric principles for neural representation

Simone Azeglio (Institut de la Vision & Ecole Normale Supérieure PhD student)

Machine Learning meets physics 17:25

Physics Informed ML and applications to theoretical physics
Machine Learning and its current applications in High Energy Physics
Machine Learning in physics beyond data analysis and real-time Machine Learning

Francesco Calisto (Ludwig Maximilians Universitat and TUM student) Valerio Pagliarino (UniTO student)
Beatrice Villata (Ludwig Maximilians Universitat student) Micol Olocco (Technische Universität Dortmund PhD Student)

**Challenges in natural language processing 17:55
and other fields**

Luca Bottero (UniTO student)

Confronto con tutti i presenti 18:10

