



Erasmus+



University
of Gdańsk



Le Mans
Université

BIP “NEUROLIMITS: BEYOND HUMAN PERFORMANCE”

STUDENTS

The BIP should award **3 ECTS** credits, or an equivalent workload.

Our BIP: 3 ECTS/CFU

Transcription of Records

Each participant should get from their sending institution mobility grant.

Talks will be recorded (online part).

PDF of the slides will be **available**.

Online Learning Agreement (OLA) for the BIP: Beyond Human Performance

Requirements and assessment

Presence (at least **80% of the lesson hours** – 7 hours absence)

Science slam

The Science Slam is a special form of oral presentation that reaches a broad audience.

It offers funny and creative, but still informative, scientific, and applied presentations of up-to-date and original research.

It should last approximately **5 min** and be **coherent with the BIP program (individual)**.

WELCOME

UdA Chieti - Pescara



On-site sessions – Day 1: June 3rd

Room 7: Polo Didattico di Lettere

h 11-12

Erasmus Student Network

Erasmus – Blended Intensive Program

Self presentation (Students)

h 12:30

Light lunch

On-site sessions – Day 1: June 3rd

Room 7: Polo Didattico di Lettere

- h 14:00-17:00
- **Decision-making**
 - Effort and fatigue: cognitive and neurobiological theories (Marika Berchicci, University of Chieti-Pescara “G. d’Annunzio”, Italy)
 - Embodied decision-making (Annalisa Tosoni, University of Chieti-Pescara “G. d’Annunzio”, Italy)
 - Effects of sensory and motor experience on anticipatory brain functions and cognitive control (Valentina Bianco, University of Pavia, Italy)

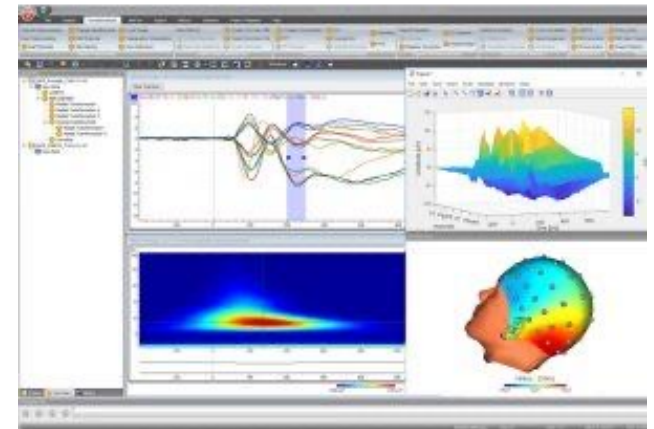
On-site sessions – Day 2: June 4th

Multimedia Room: Rectorate building

h 9-14 (coffee break included)

- **Hands-on Activity**

Hands on activity with wifi EEG from BrainProducts – EEG data recording and basic principles of data analysis (Gianluigi Rubino, BrainProducts GmbH, Italy; Marika Berchicci, UdA; Valentina Bianco, Pavia University)



On-site sessions – Day 3: June 5th

Multimedia Room: Rectorate building

h 14-18 (coffee break included)

- **Performance optimization and motor control**

- Neurophysiological bases of the placebo effect in the motor domain (Mirta Florio, University of Verona, Italy)
- The effects of neuromuscular fatigue on motor adaptation (Matteo Bertucco, University of Verona, Italy)
- Electrophysiological signature of body posture in resting state networks (Marco Marino, University of Padua, Italy)
- An active inference approach to modelling sensory processing and interoception (Pierpaolo Iodice, Le Mans Univerité, France)

On-site sessions – Day 4: June 6th

Room 11: Polo Didattico di Lettere

h 9-11

Mental and physical effort

- Linking mental and physical fatigue (Bart Roelands, University of Brussels - Vrije, Belgium)
- Perceived fatigability (Samuele Maria Marcora, University of Bologna, Italy)

h 11-11:30

Coffe Break

h 12-13

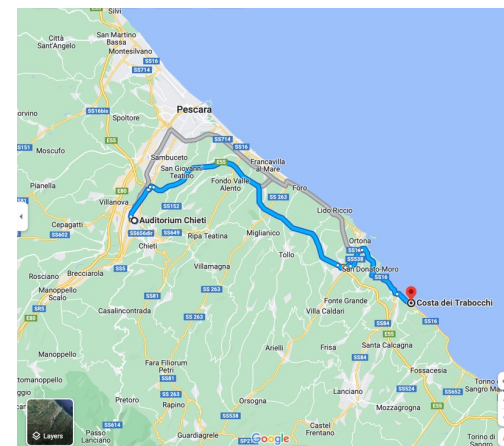
- Mental effort and Effort paradox (Michael Inzlicht, University of Toronto, Canada) AULA GALILEI
- Roundtable on mental and physical effort with speakers in presence and online

h 15-till late

- Afternoon trip to the “Trabocchi coast”, bike tour, visit to the Trabocco with aperitive, dinner in front of the beach.
- Meeting point: Main parking

Bike tour

- Afternoon trip to Costa dei Trabocchi by bus and bike tour
- Visit to the Trabocco “Punta Tufano” (Contrada Vallevò - Rocca San Giovanni)
- Dinner at Caldora
- Back to Pescara/Chieti by bus



On-site sessions – Day 5: June 7th

Room 11: Polo Didattico di Lettere

h 9-14 (coffee break included)

- Preliminary project work with students
- Administrative procedures (ToR)



THIRD SESSION (online): July 4th - 5th

July 4th

h 10-12

- Science slam by students and discussion

July 5th

h 9-12 PM

- Science slam by students and discussion
- Closing remarks