

June 2023

WEB

<https://www.b3lab.deib.polimi.it/>



Dear B-cubici,

It's summertime, but for us is 'conference- and exams-time'. Nevertheless, we need to enjoy some time-off, that's why Valentina and Maximiliano are organizing a wonderful '**sushiLab**' the 10th of July. Everybody is invited 😊

Confirm your participation **before the 30th** of June (see at the end of this NL)

News

Congratulation to all the B-cubici winning the PRIN

Prof. Manuela Ferrario

Inhaled HYdrogen for myocardial preservation in patients with ST-Elevation Myocardial Infarction admitted in the emergency room – HY-STEMI trial. (PI: Giuseppe Ristagno, UNIMI)

Prof. Valentina Corino (PI)

Development and validation of an artificial intelligence algorithm based on clinical and radiographic data for the "virtual follow-up" of patients with total hip arthroplasty.



Eleonora Maggioni

A decentralised multi-source clinical and imaging data platform for personalised cardiac and mental health (CARMEN). PI: Mattia Veronese (UniPD)

Prof. Anna Maria Bianchi is part of the PHEEL unit also winning a PRIN grant.

Aurelia Morabito and **Cristian Drudi** received the prestigious Roberto Rocca Doctoral Fellowship to spend a period of their research at Massachusetts Institute of Technology (MIT), Boston, USA.

In bocca al lupo !!!

Augusto Bonilauri has been awarded as best oral presentation at the GNB (Padova) for the track "biomedical signal and image processing".

Events

Prof. Cerutti is Theme Chair di Health-Care in EUROCON2023, IEEE International Conference on Smart Technologies (EUROCON), **Turin, 6-8th -July 2023**, where **Inês** and **Cristian** will present their work.



Eleonora Maggioni speaking at the 2023 ISBD Annual Conference, June 22-25th in Chicago

Publications

SERGIO CERUTTI, BJOERN ESKOFIER, GEORGIA TOURASSI, Guest Editorial "Advancing Biomedical Discovery and Healthcare Delivery Through Digital Technology", IEEE Journal Biomedical and Health Informatics, vol.27,n.6: 2656-2659

Maragna, R., **Lo Iacono, F.**, Guglielmo, ...**Corino V.** et al., & Pontone, G. (2023). Radiomic analysis of computed tomography myocardial texture: a new tool to identify subclinical cardiac amyloidosis. European Heart Journal-Cardiovascular Imaging, 24(Supplement_1), jead119-138.

Maggioni, E., Piani, M. C., Bondi, E., Bianchi, A. M., & Brambilla, P. (2023). Multimodal Integration in Psychiatry: Clinical Potential and Challenges. In Computational Neuroscience (pp. 235-256). New York, NY: Springer US.

Reminder

We are pleased to invite you to the very first B3 Lab Extravaganza Social Dinner! This event is designed to provide a social opportunity for all of us to connect outside of the usual working environment and to gather together before the upcoming holiday summer break.



Since Sushi offers a wide range of choices that can accommodate various dietary preferences and food restrictions, we have chosen it as our final option. We are currently arranging to meet at Kanji Centrale (restaurant that offers an all you can eat formula comprising both Sushi and Chinese food options) on the 10th of July, starting at 20:00. However, please note that the final venue confirmation will depend on the availability of the restaurant and the number of people attending. To facilitate the reservation process, we kindly ask that you let us know whether you will be attending the event by filling this form (deadline: 30th of June): <https://forms.office.com/Pages/ResponsePage.aspx?id=K3EXCvNtXUKAjiCd8ope68EgsOrbJRxOnV6byIPxnFhUOVhONU1RQjdOSkZTOUOU0MUIIMFIPNks3Vy4u>. This will allow us to provide an accurate headcount to the restaurant and secure a reservation that can accommodate all attendees.

***** Volunteers *****

Andrea cerca per due esperimenti: acquisizione segnale EEG durante task di immaginazione delle parole (serve una sufficiente conoscenza dell'italiano e della pronuncia per partecipare); acquisizione segnale EEG in protocollo di stimolazione di emozioni in ambiente monitor e Visore per Realtà Virtuale. Per gli interessati contattare: andrea.farabbi@polimi.it

“l'Istituto di Ricerche Farmacologiche Mario Negri IRCCS sta promuovendo un'indagine sulla conoscenza e sull'attitudine dei cittadini rispetto alla condivisione dei propri dati clinici. Vi chiediamo 5 minuti per rispondere a qualche domanda su questo tema. L'indagine è in forma anonima.

Grazie per il tempo che vorrete dedicarci e non dimenticate di diffondere questo messaggio.”Link: <https://opinioniibanchedati.marionegri.it/>

*****Research Topic open*****

Frontiers in Neuroergonomics is currently hosting the following Research Topic with **Eleonora Maggioni** and Prof. Mendez as topic editors, coordinated by **Stefania Coelli**:

<https://www.frontiersin.org/research-topics/48939/stress-and-the-brain-advances-in-neurophysiological-measures-for-mental-stress-detection-and-reducti>

*****Software*****

SPIDER-NET (Software Package Ideal for Deriving Enhanced Representations of brain NETworks) . You can find SPIDER-NET here :

<https://caditer.dongnocchi.it/spidernet/>

The B3Lab GitHub repository is online to promote collaboration and code_reuse among us: <https://github.com/b3lab-polimi> ! Can't wait to become part of our community? Just send a request to pierluigi.reali@polimi.it , specifying the email address connected to your GitHub account

*****Website*****

Do you have *Master's thesis proposals* but don't know how to advertise them effectively? You can count on the B3lab's website! 😊 We are looking for abstracts like this one to work on the new layout of the dedicated website section (https://www.b3lab.deib.polimi.it/?page_id=1176) and try out different strategies to increase its visibility on social networks. The proposal does not have to be much elaborate: as long as you provide a title, a track, and one or more contacts, you are good. If you wish to contribute, please, send your abstract as a Word document to pierluigi.reali@polimi.it. Having at least one proposal from each of our different macro-areas (signals, images, bioinformatics, and e-health) would be great as a start!

