

May 2023

WEB

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



Dear B-cubici,

We begin this new newsletter with a thought-provoking point for all of us: “**Is it the beginning of the end for scientific publishing?**” – podcast

<https://www.theguardian.com/science/audio/2023/may/16/is-it-the-beginning-of-the-end-for-scientific-publishing-podcast>

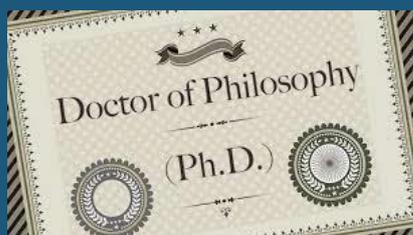
- Suggested by Pierluigi Reali

News

Congratulation to Edoardo M. Polo and Matteo Guidetti for their PHD!!

Congratulations to Prof. Caiani on being nominated as member of the EU Commission (DG SANTE-DC CNET) eHealth Stakeholders group as representative of the European Society of Cardiology for the period 2023-2026

Congratulations to **Rita** and **Stefania** for their new positions (Project manager @DEIB and RTDa @B3lab, respectively) and to **Maximiliano** and **Edoardo** as NEW post-doc B3lab’s research fellows





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.

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!

Events



On June 9th (10-14) there will be the final event of the CARIPL0 project D-DUST (<https://alumni.polimi.it/2022/02/03/d-dust-dal-politecnico-satelliti-e-ia-per-lo-studio-delle-polveri-sottili/>), involving Prof. Caiani and Dr. Lorenzo Gianquintieri.

If interested, here the link to register:

<https://eventi.fondazionepolitecnico.it/EventofinaleProgettoDDUST#/tickets?lang=it>

Conferences

Prof. Caiani has participated as speaker at the 30° National Congress of the Italian Group of Quality Assurance in Research (GIQAR), 24/5/2023, with a talk on on “State of the art in the utilization of digital therapies in clinical practice”

Prof. Caiani has been invited to participate as speaker and as Discussant to the Radical Health Festival Helsinki 2023, 12-14 June, Helsinki.

Accepted conference proceedings:

@European Society of Cardiology congress (Amsterdam, 25-28/8/23):

Gibello R, Ren Y, Caiani EG. “Development of an AI-based IT tool to support medical device nomenclature standardization for post-market surveillance by automated mapping from GMDN to EMDN standards”.

Nawaro J, Gianquintieri L, Pagliosa A, Silvaroli A, Sechi GM, Caiani EG. “Heatwaves and cardiovascular emergencies in Milan, Italy: pre-COVID-19, COVID-19 and post-COVID-19 characteristics and associated risk during heat days”.

the B3lab will be present @GNB 2023 in June:



E. Tauro, E. G. Caiani, G. Galuzzi, M. Mazziotti, F. Cancelliere and G. Bilo. “Commercial Smart Virtual Assistants to support medication adherence in chronic patients: a preliminary usability study”

A. Bonilauri, A. Pirastru, F. Sangiuliano Intra, S. Isernia, M. Cazzoli, V. Blasi, G. Baselli and F. Baglio “Development of a novel surface-based approach to quantify fNIRS-fMRI spatial correspondence” (oral presentation)

M. Carrara, P. Antenucci and M. Ferrario “How to assess vascular dysfunction during septic shock and resuscitation”

Al. Calcagno, S. Coelli, F. Temporiti, M. Galli, R. Gatti and A. M. Bianchi. “Differences in cortical reorganization during visuo-motor tasks executed with the dominant and non-dominant hands”

A. Farabbi, L. Pizzulli, E. Sala, L. Santini and L. Mainardi “Error perception in different environments: Monitor vs Augmented Reality”

Vescio M.*, Bulloni M.*, Brendolan A. and Pattini L. “ Exploring heterogeneity in lymphoid malignancies from mouse to human gene expression profiles”

F. Loiacono et al “Radiomic analysis of Epicardial Adipose Tissue in cardiac MRI for hospitalization risk assessment”

Publications

Muscato, F., Corti, A., Gambaro, F. M., Chiappetta, K., Loppini, M., & **Corino, V. D.** (2023). Combining deep learning and machine learning for the automatic identification of hip prosthesis failure: development, validation and explainability analysis. *International Journal of Medical Informatics*, 105095.

Lo lacono, F. , Maragna, R., Guglielmo, M., Chiesa, M., Fusini, L., Annoni, A., ... & Pontone, G. (2023). Identification of subclinical cardiac amyloidosis in aortic stenosis patients undergoing transaortic valve replacement using radiomic analysis of computed tomography myocardial texture. *Journal of Cardiovascular Computed Tomography*. doi: 10.1016/j.jcct.2023.04.002.

Reminder

***** 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://opinionibanchedati.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/>

