4TH HBP STUDENT CONFERENCE
ON INTERDISCIPLINARY BRAIN RESEARCH
21-22 JANUARY 2020
PISA, ITALY

ABSTRACT SUBMISSION DEADLINE:
30 SEPTEMBER 2019

REGISTRATION DEADLINE:
8 JANUARY 2020

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HBP Education Programme
CALL FOR SUBMISSIONS

The human brain is such a complex system that it can only be understood by combining knowledge and practices from multiple scientific fields. The 4th HBP Student Conference provides an open forum for the exchange of new ideas among young researchers working across various aspects of science relevant to the Human Brain Project (HBP). The conference offers a space for extensive scientific dialogue, both intra- and interdisciplinary, among peers and faculty through a variety of discussion sessions, lectures and social events.

We invite original high-quality submissions describing innovative research in all disciplines addressed in the HBP. These contributions can emphasise theoretical or empirical works relating to a wide spectrum of fields including but not limited to: neuroscience, computer science, robotics, medicine, psychology, cognitive science or philosophy. We particularly encourage submissions with a potential to inspire collaboration in the research community by introducing new and relevant problems, concepts, and ideas, even if the work is at an early stage of development.

Conference Programme Committee:

Chairs:
Sandra Diaz | Forschungszentrum Jülich
Gabriel Urbain | Ghent University

Committee:
Carmen Alina Lupascu | Italian National Research Council
Luca Peres | University of Manchester
Marta Turégano | Universidad Politécnica de Madrid
Alexander van Meegen | Forschungszentrum Jülich
Alper Yegenoglu | Forschungszentrum Jülich

Organisers:
HBP Education Programme Office | Medical University Innsbruck

Contact organisers:
education@humanbrainproject.eu

Further information and abstract submission:

Contact Programme Committee:
studentrep@humanbrainproject.eu
Tuesday 21 January 2020

Keynote: Neuroanatomy and Machine Learning | 60 min
Dominik Kutra (European Molecular Biology Laboratory)

Keynote: The SpiNNaker Platform | 60 min
Andrew Rowley (The University of Manchester)

Student Session I | 60 min

Keynote: From the origins of M/EEG signals to the study of brain dynamics and time-resolved brain mapping | 60 min
Julia Guiomar Niso Galán (Universidad Politécnica de Madrid)

Student Session II | 60 min

Keynote: Neurorobotics | 60 min
Alberto Mazzoni (Scuola Superiore Sant'Anna)

Poster Session | 90 min
Wednesday 22 January 2020

Keynote: Spiking neural networks - A direct link between brains and energy-efficient novel computing hardware | 60 min
Wolfgang Maass (Technical University Graz)

Keynote: Ethics in the neurosciences | 60 min
Dieter Sturma (Forschungszentrum Jülich)

Student Session III | 60 min

Keynote: Neuronal dynamics
Tilo Schwalger (Technical University Berlin)

Student Session IV | 60 min

Keynote: Reconstruction and simulation of the cerebellar microcircuit
Claudia Casellato (University of Pavia)

Poster Session | 90 min

Combine the Student Conference with a hands-on workshop day!

The Student Conference is immediately followed by a workshop day on 23 January, which is dedicated to hands-on project work on various tools and services developed in the HBP.

Attendees of the Student Conference are invited to participate in the workshop day free of charge. Registration is possible through the conference registration system.

The number of participants is limited.
Participation information

Application is open to the entire student community and early-career researchers, regardless of whether they are affiliated with the Human Brain Project or not. It is aimed to offer equal opportunities for all early-career researchers regardless of gender, age, origin, etc.

Registration for the conference is required.

Fees

**Online registration (until 8 January 2020):**
€ 100.00 for students | € 150.00 for regular participants

**On-site registration:**
€ 150.00 for students | € 200.00 for regular participants

The fee does not include travel and accommodation.

A limited number of registration fee waivers and travel grants is available for participants who successfully submit an abstract for presentation.

Registrants can apply for support prior to the abstract submission deadline by contacting education@humanbrainproject.eu.
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humanbrainproject.eu/education