4th HBP School Future Computing – Brain Science and Artificial Intelligence

Obergurgl, Austria, 12-18 June 2017
https://education.humanbrainproject.eu/web/fourth-school

Description

The 4th HBP School offers a comprehensive programme covering all aspects of software, hardware, simulation, databasing, robotics, machine learning and theory relevant to the HBP research programme.
Lectures, hands-on tutorials and practical exercises on software tools and neuromorphic hardware systems provide a high level view of the project, computing and ethical aspects of artificial neural systems.
The school offers ample opportunities for scientific exchange between students and faculty during dedicated discussion sessions, tutorials and various social events.

Programme structure

Lectures
Discussion sessions
Hands-on tutorials
Student lightning talks
Poster presentations
Social events

Application for this school is open to the whole student community and early post-docs. Up to 40 applicants will be selected based on an academic decision by the Scientific Director. Participants are required to submit an abstract on their current research with their application. Applications from young female investigators are highly encouraged.

Scientific Director

Karlheinz Meier | UHEI

Organised by

HBP Education Programme Office

Upcoming deadlines

Application deadline: 22 March 2017

There is no registration fee. Accommodation will be provided.
Seven travel grants will be available upon request (European students only).

Contact

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Human Brain Project
Education Programme

Co-funded by
the European Union

Website:

Lectures
Gordon Cheng | TUM
Giacomo Indiveri | ETHZ
Karlheinz Meier | UHEI
Dan Nilsson | LU
More TBC

The venue
The 4th HBP School will take place at the Obergurgl University Center, which is located right next to the ski slopes and hiking trails and only five minutes' walk from the village centre. It was founded in 1951 by the Obergurgl federal Sports Centre in cooperation with the Alpine Research Centre of the University of Innsbruck. Over the past decades, numerous renowned mountain guides, ski instructors, researchers and scientists gathered here to collaborate on major contributions to sports and science in the Alps.

Obergurgl is located in the Ötztal Alps in Tyrol, Austria, and part of the municipality of Sölden. The village is located 1,907 m (6,257 ft.) above sea level and is primarily a tourist resort with only about 400 permanent residents. Due to its remote location, it is very popular not only for tourists but also among scientists and researchers.

Keywords
Computing, Brain Science, Artificial Intelligence, Robotics, Machine Learning, Neuromorphic Computing, Databases, High Performance Computing