



15 OCTOBER 2018 MAASTRICHT

HUMAN BRAIN PROJECT OPEN DAY

ENHANCING OUR UNDERSTANDING OF THE BRAIN

TALKS | DEMOS | ROBOTS | VIRTUAL REALITY



Further information:
www.hbpopendaysummit-2018.org



JOIN US FOR THE HBP OPEN DAY 2018!

Maastricht University and the Human Brain Project are delighted to invite you to learn about the latest developments in brain research.

The programme is not only targeted at our scientific colleagues but also at the general public interested in how modern computing technologies enhance our understanding of the human brain and how this knowledge can be applied to develop new diagnostic and therapeutic tools for brain disorders.

A particularly exciting part of the Open Day is the Science Market where HBP members present their work on novel computing (brain-inspired neuromorphic computing) and robotics, demos and experiences allowing visitors to explore the brain in virtual and augmented reality, and much more.

LOCAL HOST

Rainer Goebel | Maastricht University

ATTENDANCE IS FREE, BUT REGISTRATION IS REQUIRED:

www.hbpopendaysummit-2018.org/openday/registration

QUESTIONS AND SUPPORT

E: helpdesk@klinkhamergroup.com

T: +31 (0)43-36 27 008

FURTHER INFORMATION

www.hbpopendaysummit-2018.org



The Human Brain Project acknowledges the University Fund Limburg and Siemens Healthineers as key contributors to the Open Day and the HBP Summit 2018.

PROGRAMME

This programme may be subject to change

09:00 - 17:00 **Registration**

10:00 - 11:00 **Keynote: "Our creative brains"**

Dick Swaab | Netherlands Institute for Brain Research of the Royal Netherlands Academy of Arts and Sciences

11:00 - 12:00 **Keynote: "Location, location, location: A framework for intelligence and cortical computation"**

Jeff Hawkins | Founder Redwood Neuroscience Institute | Co-founder Numenta, Palm and Handspring

12:00 - 13:00 **Break**

13:00 - 14:00 **Welcome addresses and HBP overview**

Rainer Goebel | Local host | Head of Department of Cognitive Neuroscience | Maastricht University

Rianne Letschert | Rector Magnificus Maastricht University

Katrin Amunts | Director of the HBP Science and Infrastructure Board (SIB)

14:00 - 15:30 **Session "Closed loops: From brains to machines and back"**

Embodied brains & dynamic environments

Mario Senden | Department of Cognitive Neuroscience | Maastricht University

Visual cortical prosthesis for the blind

Pieter Roelfsema | Netherlands Institute for Neuroscience

Possibilities of Ultra-high field MRI

Christina Triantafyllou | SIEMENS Healthineer

Mapping human cortical architecture with MRI and lightsheet microscopy

Alard Roebroek | Department of Cognitive Neuroscience | Maastricht University

15:30 - 16:00 **Break**

16:00 - 17:30 **Session "Big data in clinical neuroscience"**

Maastricht study, neuroimaging findings in relation to phenotype

Coen Stehouwer | Department of Internal Medicine | Maastricht University

IMI project, data from wearables

Mark Richardson | King's College London

Relevance of the FAIR principles to the Human Brain Project

Michel Dumontier | Institute of Data Science | Maastricht University

17:30

All Day

Closing

Science Market: Demos, Robots, Virtual Reality