

CALL FOR ABSTRACTS:

MONTE VERITÀ CSF CONFERENCE "HAND, BRAIN AND TECHNOLOGY: THE SOMATOSENSORY SYSTEM"

August 26–31, 2018
Ascona, Switzerland

<http://www.relab.ethz.ch/hbt2018>

One-page abstract submission deadline: April 15, 2018

The tight functional coupling between hand and brain has greatly shaped the evolution of language, culture and technology. Following a highly successful first meeting in 2014, this 2nd Hand, Brain and Technology conference will focus on the Somatosensory System.

CONFERENCE OBJECTIVES

- Bring together leading researchers from the various disciplines investigating the somatosensory system, its role in motor function and recovery after neuromuscular injury, as well as its restoration
- Change the dynamics of the field to become more integrative, by promoting interaction and collaboration between neuroscientists, physiologists, psychologists, clinicians, and engineers
- Provide the opportunity for junior and advanced researchers to disseminate their work and interact with senior researchers (through talks followed by ample time for discussion, poster sessions, roundtables and personal interactions during breaks and social events)
- Provide an update on the state of the art, highlight recent discoveries and identify future research directions

CONFERENCE PROGRAM

- Public lecture by Leah Krubitzer, PhD
- 21 keynote lectures covering the topics neurophysiology, cognitive neurosciences, haptics, neurorehabilitation and neuroprosthetics
- Short talks selected from submitted abstracts
- Poster sessions
- Public lecture & demonstration on haptic illusions by Peter Brugger and Vincent Hayward
- Excursion and social dinner -- Unique venue -- Ample time for participants to interact scientifically and socially

KEYNOTE SPEAKERS

- Salvatore M. Aglioti, MD, Sapienza University of Rome and IRCCS Fondazione Santa Lucia Rome, Italy
- Richard A. Andersen, PhD, Caltech, USA
- Sliman Bensmaia, PhD, University of Chicago, USA

- Gregory A. Clark, PhD, University of Utah, USA
- Frédérique de Vignemont, PhD, CNRS, Jean Nicod Institute, France
- Hubert Dinse, PhD, Ruhr University Bochum, Germany
- Alessandro Farnè, PhD, Lyon Neuroscience Research Center, France
- Martin H. Fischer, PhD, University of Potsdam, Germany
- Robert Gaunt, PhD, University of Pittsburgh, USA
- Vincent Hayward, PhD, Université Pierre et Marie Curie, France
- Roland Johansson, MD, PhD, Umea University, Sweden
- Alain Kaelin-Lang, MD, PhD, Neurocenter of Southern Switzerland and Laboratory for Biomedical Neurosciences, Switzerland
- Derek Kamper, PhD, North Carolina State University and University of North Carolina at Chapel Hill, USA
- Katherine J. Kuchenbecker, PhD, Max Planck Institute for Intelligent Systems, Germany
- Tamar Makin, PhD, University College London, United Kingdom
- Mackenzie Mathis, PhD, Harvard University, USA
- Silvestro Micera, PhD, Ecole Polytechnique Fédérale de Lausanne, Switzerland
- Fabrice R. Sarlegna, PhD, CNRS & Aix-Marseille University, France
- Lee Miller, PhD, Northwestern University and RIC, USA
- Hans Scherberger, MD, PhD, German Primate Center and Georg August University of Göttingen, Germany
- Stephen H. Scott, PhD, Queen's University, Canada
- Dustin Tyler, PhD, Case Western Reserve University, USA

ABSTRACT SUBMISSION AND REGISTRATION

- Interested participants should submit a 1-page abstract by April 15, 2018
- We especially encourage young scientists to submit an abstract that could be presented as a short talk or poster
- Attendance is limited 100 participants, and will be based on an abstract review
- Please download the abstract template from <http://www.relab.ethz.ch/hbt2018/abstract-submission.html>
- Submit your abstract per email as Word file together with contact information of the presenting author to hbt2018@ethz.ch
- Authors will be notified by May 11, 2018
- Accepted contributions will be presented as posters or short talks
- Registration will open following the abstract review
- Authors of accepted contributions will be requested to register within 3 weeks following notification

ORGANIZING COMMITTEE

- Roger Gassert, ETH Zurich
- Sliman Bensmaia, University of Chicago
- Peter Brugger, University Hospital Zurich
- Marie-Claude Hepp-Reymond, ETH Zurich and University of Zurich
- Fabio M. Conti, Clinica Hildebrand Centro di riabilitazione Brissago

LOCATION/VENUE

The Hand, Brain and Technology 2018 conference will be held at the Congressi Stefano Franscini, situated at Monte Verità in Ascona, Switzerland (<http://www.csf.ethz.ch/>).

SPONSORS

- Congressi Stefano Franscini

- ETH Zurich
- Clinica Hildebrand Centro di riabilitazione Brissago

PARTNERS

- Swiss Society for Biomedical Engineering

FURTHER INFORMATION

<http://www.relab.ethz.ch/hbt2018>

or email hbt2018@ethz.ch