Education committee
We are pleased to announce Francesco Mondada as chair of the NCCR Robotics Education Committee as of December 2016. We also take this opportunity to thank Aude Billard for her valuable work as previous chair of this committee.

Cybathlon 2020 & updates
The executive board of ETH Zurich has officially announced that Cybathlon will take place 2020 in Zurich! Also, discover the Cybathlon set of stamps issued by Sierra Leone & find out which Cybathlon image was selected as part of the BBC's most striking photos of 2016.

Teleoperation of robotic hand
Muscular activity contains information on motion intention. By decoding the muscular activity of an arm during reaching-to-grasp motions, Billard Lab were able to detect grasp type in the early stages of a reaching motion which enables fast activation of a robotic hand by teleoperation. Video

Summer School on Rehabilitation Robotics
The Rienner Lab is organising a Summer School on Rehabilitation Robotics which will take place at the Biomedical Engineering School, Shanghai Jiao Tong University (SJTU). Read more

R2T2americaraibe
Using the robot Thymio created out of NCCR Robotics, on 24th January a special edition of the R2t2 event took place in America and the Caribbean with 100 kids and teenagers competing. Read more

TWICE finalists in Robotics for Good
The TWICE exoskeleton (Bleuler Lab) has been selected as one of 10 finalists in the UAE Robotics for Good competition. Read more.

CONGRATULATIONS

PhD defense Volker Bartenbach
Congratulations to Volker Bartenbach from Rienner Lab who successfully defended his PhD thesis on the design and control of robotic exoskeletons last December. The title was: Constraints Caused by Lower Extremity Exoskeletons.

SIMPAR Best Paper & Industrial Robot Innovation Award
Congratulations to Michael Neunert and Buchli Lab for winning first prize for the SIMPAR Best Paper Award and first prize as well for the Industrial Robot.
NCCR ROBOTICS CALLS

Special Issue in international Journal of Social Robotics

Aiming at collecting an overview of empirical and theoretical state-of-the-art research on human-robot interaction in educational contexts. Submission deadline 01 March 2017. Read more

FSR 2017 - 11th Conference on Field and Service Robotics

FSR is a single track conference with a specific focus on field and service applications of robotics technology. Submission deadline 01 April 2017. Read more

NCCR OPEN POSITIONS

Postdoc Position in Paik Lab

Paik Lab invite applications for postdoctoral appointment in the areas of soft robotics and soft pneumatic actuator modelling. Read more

Project Development and Coordination

Floreano Lab invites applications for senior project development and coordination. The position consists in preparing national and international project proposals... Read more

WE WILL BE AT:

Swiss Robotics going global

2 March 2017
Lausanne
Read more

R4L @HRI 2017

6 March 2017
Vienna
Read more

European Robotics Forum

22-24 March 2017
Edinburgh
Read more

DATE 2017

27-31 March 2017
Lausanne
Read more

PRESS COVERAGE

BBC - Spy in the Wild

*Producers from BBC approached *Ljser Lab, 2015
Artificial Feathers Let Drones Morph Their Wings Like Birds

"Birds have been developing winged flight technology ever since they stole it from the dinosaurs back in 160 million years ago." Read more

More press coverage available through NCCR Robotics website

NEW VIDEOS

Die ETH Zürich am WEF 2017

Reptilian Robots are Spies in the Wild

ANYmal for Search & Rescue

Teleoperation of a robotic hand using muscular activity

NEW MEMBERS

Vivek Ramachandran

Vivek is a PhD student in Floreano Lab. He received his MS in Mechanical Engineering from Carnegie Mellon University in 2016. His research primarily focuses on the development of variable stiffness technologies for soft, wearable systems.

Elmira Yadollahi

Elmira is a PhD student in Dillenbourg Lab and is studying Computer-Human Interaction. Her research focuses on long-term interaction between social robots and humans in educational environments.

SELECTED NCCR ROBOTICS PUBLICATIONS*


*Selected publications include publications which have been made known to the editor. All members are kindly encouraged to inform the management team of new publications.

NCCR Robotics

The Swiss National Centre of Competence in Robotics (NCCR Robotics) is a federally funded programme bringing together robotics laboratories from EPFL, ETH Zurich, University of Zurich and University of Lugano to work on wearable, rescue and educational robots.

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