Issue 34 April 2017 Public Version

OMMUNITY NEWSLETTER







New NCCR Robotics Spin Fund

The NCCR Robotics Spin Fund committee has granted Jaime E. Duarte and Kai Schmidt the Spin Fund for ExoSuisse. This project is hosted by Riener lab at ETHZ.



New NCCR Robotics Spin Fund

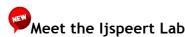
The NCCR Robotics Spin Fund committee has granted Marek Jancik and Tristan Vouga the Spin Fund for Twiice This project is hosted by Bleuler Lab at EPFL.



Release of The Zurich Urban Micro Aerial Vehicle Dataset

Scaramuzza Lab presents the world's first dataset recorded on-board a camera equipped Micro Aerial Vehicle (MAV) flying within urban streets at low altitudes... Read more





Welcome to the new Lab videos section where we introduce the NCCR Robotics lab, PI, NCCR Robotics members and their work. On this occasion we present ljspeert Lab.



CONGRATULATIONS

HFSP Awards - Research Grants

Auke lispeert was listed as one of the winners of the 2017 awards for Research Grants (Program Grants) from the Human Frontier Science Program (HFSP). Read more



First prize for Best PhD Presentation at CRPP rehab

Fabian Just, (Riener Lab, ETHZ), was awarded the first prize for Best PhD Presentation at CRPP rehab for his work on fusing robot-based and conventional therapy for the arm.



Top 5 most promising inventions

The Myosuit from NCCR Robotics spinoff ExoSuisse was in the ETH Spark awards as one of the top-5 most promising inventions which filed for a patent at ETHZ in 2016. Read more



Flyability finalists in the Swiss **Economic Awards 2017**

NCCR Robotics spin-off, Flyability was selected as part of the top 18 companies for the Swiss Economic Award.



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Release of The Zurich Urban Micro Aerial Vehicle Dataset

Meet the Ijspeert Lab

Congratulations: HFSP Award; First prize for Best PhD Presentation at CRPP rehab; Top 5 most promising inventions; Flyability finalists in the Swiss Economic Awards 2017; Fotokite and Anybotics at the EuRobotics TechTransfer Award

NCCR Robotics Calls: Summerschool in robotics and artificial intelligence; ICRA Workshop on Event-based Vision; RSS Workshop: Challenges in Dynamic Legged Locomotion

We will be at

Press Coverage

New Videos

New Members

Selected Publications

ROBOTICS WORLD

Top News

The robot industry is hiring. Do you have the skills?

ROS robotics projects

The legal issues of robotics

Billion \$dollar acquisitions continue: ABB acquires B&R

NAO Next Gen now available for a wider audience

World events

Smart Regions with Smart Robots: a winning formula (10 May)

C-AR2017 (16-17 May)

Innorobo (16-18 May)

ICRA (29 May-03 June)

External calls

Advanced Materials 2017

Advanced Robotics Special issue

FTC 2017

IOT Solutions World Congress IROS

Kickstart Accelerator

RO-MAN

SNSF Professorships womEncourage 2017

Start-up corner

Fotokite and Anybotics at the **EuRobotics TechTransfer Award**

NCCR Robotics spin-off Fotokite received this year's first prize and Anybotics third prize at the EuRobotics Tech Transfer Award.





NCCR ROBOTICS CALLS

Summerschool in robotics and artificial intelligence

Summerschool for high school students (10-13th July, EPFL). Prerequisites: Programming skills, some programming before (any language). Read more



ICRA Workshop on Event-based

Call for Live Demos! Submission deadline 01st May 2017. Read more



Workshop on Event-based Vision

RSS Workshop: Challenges in **Dynamic Legged Locomotion**

The performance of modern legged robots still pales in comparison to their biological counterparts in terms of... Call for poster submission deadline 30th May Read more



WE WILL BE AT:

Hannover Messe

24-28 April 2017

Hannover

Read more



ICRA Workshop on **Event-based Vision**

02 June 2017

Singapore

Read more

Summer School on **Rehabilitation Robotics**

05-10 June 2017

Singapore

Read more



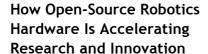
rkshop on Event-based Vision



PRESS COVERAGE

Humans control robots with their minds by watching for mistakes

"Try again robot, you're doing it wrong. A braincomputer interface lets people correct robots' mistakes using the power of their thoughts. The system uses..." Read more



"The latest issue of the IEEE Robotics & Automation Magazine features a..." Read more





Please find following links related to start-up support. If you would like to promote your events through our channel, please contact us at nccrrobotics@epfl.ch

CTI Entrepreneurship Training Kickstart Accelerator Swisscom StartUp Challenge

External positions

Electrical Engineer (ANYbotics)

Research Associate or Senior Research Associate in Soft Robotics at Bristol Robotics Laboratory (2 posts) (University of Bristol)

PhD Research Studentship Computing with spiders' webs – An inspiration for new sensors and robots (University of Bristol)

Research Assistant/Associate in Soft Robotics Sensing (University of Cambridge)

W3-Professorship for Autonomous, Learning Robots (Karlsruhe Institute of Technology)

Research Fellow in Bioinspired Control for Autonomous Systems in City Infrastructure (University of Leeds)

Postdoctoral Researcher in Persistent Mapping and Long-Term Autonomy for Mobile Robots (University of Lincoln)

Postdoc Research Fellow Positions on Robotics & Autonomous Systems (University of Surrey)

Electrical & Mechanical development for bioinspired legged robots (Max Planck Institute for Intelligent Systems-campus Stuttgart)

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NEW VIDEOS

Meet the Ijspeert Lab



Cowriter project demonstrating the new coreader activity



Tangible Swarms with Cellulo



NEW MEMBERS

Bastien Orset

Bastien is a PhD student at Millán Lab, he is studying how BCI can be used to restore and enhance motor functions. His project is focused on the understanding of reaching movement of the upper limbs and how BCI could be used.





SELECTED NCCR ROBOTICS PUBLICATIONS *

B.K. Min, R. Chavarriaga, J. del R. Millán, "Harnessing prefrontal cognitive signals for brain-machine interfaces", Trends in Biotechnology, Elsevier, 2017.

F. Mondada, "Can Robotics Help Move Researchers Toward Open Science?" in IEEE Robotics and Automation Magazine, vol. 24, no. 1, p. 111 - 112, 2017.

*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.









