

Dear Subscribers,

We would like to take this opportunity to wish you a pleasant summer break. Your NCCR Robotics Newsletter will be back in October.



EPFL Drone Days

From 1 to 3 September, EPFL's campus will host the first-ever EPFL Drone Days. This event, which will include the Swiss drone racing championship, a robotics showcase and related conferences, is expected to attract a broad public. [Read more](#)



New NCCR Robotics Website!

We are pleased to announce that we have launched our brand-new dynamic [NCCR Robotics website](#). The site is fully responsive and has been designed to improve user experience. We hope you enjoy visiting the new website.



Meet the Dillenbourg Lab

Welcome to the third of our Lab videos section where we introduce the NCCR Robotics lab, PI, NCCR Robotics members and their work. On this occasion we present [Dillenbourg Lab](#).



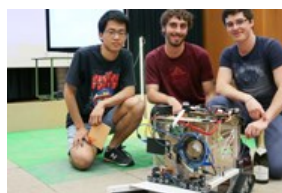
Drone Journey to the Center of the earth

NCCR Robotics spin-fund Flyability has taken part in an expedition that marks a new milestone in cave exploration. For the first time, a drone has been used – for a scientific purpose... [Read more](#)



EPFL- STI Interdisciplinary Robot competition

June 12th, five groups of three STI master students competed in [this year's robot competition](#). Team 2 (Cyrill Baumann, Julien Di Tria and Shupeng Wei) won the competition with the RoBat robot.



2017 Misha Mahowald Prize for Neuromorphic Engineering

[Scaramuzza Lab](#) won the 2017 Misha Mahowald Prize for neuromorphic engineering. [Press release](#) summary [video on Event-based Vision](#) for Autonomous High-Speed Robotics.



Intento received support from the Swiss Academy of Engineering Sciences

NCCR Robotics spin-fund [intentio](#) has been awarded a new grant from the... [Read more](#)



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ROBOTICS WORLD

Top News

- [More efficient and safer: How drones are changing the workplace](#)
- [From drinking straws to robots](#)
- [Shrinking data for surgical training](#)
- [RoboCup video series: Junior league](#)
- [Robots offer the elderly a helping hand](#)

World events

- [Hamlyn Symposium on Medical Robotics](#) (25-28 June)
- [Autonomous Machines World](#) (26-27 June)
- [FAIM](#) (28-30 June)
- [Industrial Automation](#) (28-30 June)
- [RoboUniverse](#) (28-30 June)
- [International Robotic Showcase](#) (30 June)
- [CIROS](#) (05-08 July)
- [RoboCup](#) (25-31 July)
- [WRO](#) (24 July - 28 Sept)

NCCR ROBOTICS CALLS

PhD & Postdoc exchange fellowships

Call for proposals for projects for PhD and Postdoc candidates who wish to spend a period of 3-6 months in an NCCR Robotics lab. [Read more](#) **Deadline: 31st July.**



Summer school in robotics and artificial intelligence

Summer school for high school students (10-13th July, EPFL). Prerequisites: Programming skills, some programming experience (any language). [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 robotic technologies. **Early registration deadline: 15th July.** [Read more](#)



NSF PRIMA supports excellent women researchers aspiring to a professorship

First call for proposals will be launched on 1 August 2017, and the submission deadline will be 1 November 2017. [Read more](#)



NCCR OPEN POSITIONS

Job opening: Administrative Specialist

We are looking for an administration specialist to work in our Management team at EPFL. [Read more](#)



WE WILL BE AT:

RSS Workshop: Challenges in Dynamic Legged Locomotion

15 July 2017

Cambridge, MA, USA

[Read more](#)



Building Bodies for Brains & Brains for Bodies / 3rd Japan-EU Workshop on Neurorobotics

15 - 16 July 2017

Geneva

[Read more](#)



EPFL Drone Days

01-03 Sept 2017

EPFL, Lausanne

[Read more](#)



European Conference on Mobile Robotics

06-08 Sept 2017

Paris



[WODC](#) (31 Aug - 02 Sept)

[The Economics of Innovation: from Basic research to the Market](#) (04-06 Sept)

[Euro Conf on Mobile Robotics](#) (06-08 Sept)

[FSR](#) (12-15 Sept)

[RobotWorld](#) (13-16 Sept)

[Gender and Science Meeting](#) (13-14 Sept)

[IEEE AFRICON](#) (18-20 Sept)

[ROSCON](#) (21-22 Sept)

[DRONE Berlin](#) (21-22 Sept)

[IROS](#) (24-28 Sept)

[Drone World Expo](#) (03-04 Oct)

[IOT Solutions Word Congress](#) (03-05 Oct)

[GITEX Technology Week](#) (08-12 Oct)

External calls

[Academia-Industry Training" \(AIT\) Program](#)

[1st Annual Conference on Robot Learning \(CoRL 2017\)](#)

[Drone Berlin](#)

[2017 International Drone Photography Contest](#)

[Raw Science Film Festival 2017](#)

Start-up corner

Please find following links related to start-up support. If you would like to promote your events through our channel, please **c o n t a c t u s a t** nccrrobotics@epfl.ch

[Kickstart Accelerator](#)

[Academia-Industry Training" \(AIT\) Program](#)

External positions

[Postdoctoral Research Assistant in Morphological Computation](#) (University of Oxford)

[Robohub Science Communication Internship Managing Editor in Robotics and AI](#)

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[Jan Kerschgens](#)

IMPRESSUM

[Read more](#)

FSR 2017 11th Conference on Field and Service Robotics

12 - 15 Sept 2017

Zurich

[Read more](#)



With NCCR

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PRESS COVERAGE

Softies with future

Too slow, too inflexible are today's robots, in order to be sensitive to humans and the environment. Now researchers are reaching out to radical new materials and concepts. Your goal: reinvent the robot.... [Read more](#)



EPFL to become drone central in early September

From 1 to 3 September 2017, EPFL's Ecublens campus will host the first-ever EPFL Drone Days. This event, which will include the Swiss drone racing championship, a robotics... [Read more](#)



Smart jacket and VR headset let you pilot a drone with your body

I feel half-superhero, half-idiot. The jacket I'm wearing is letting me fly a drone around a virtual university campus just by... [Read more](#)



Mori: A modular origami robot

The fields of modular and origami robotics have become increasingly popular in recent years, with both approaches presenting particular benefits, as well as limitations, to the end user. Christoph Belke and Jamie Paik... [Read more](#)



More [press coverage](#) available through NCCR Robotics website

NEW VIDEOS

Meet the Dillenbourg Lab



Exoskeleton prevents seniors from falling



Mori: A Modular Origami Robot



EPFL Drone Days



Talk: Legged Robots: Stepping out of the continuous and differentiable zone by Dr.Diego Pardo



NEW MEMBERS

Yves Piguet

Yves ([Mondada Lab](#)) obtained a PhD in automatic control at EPFL. His interests include education technologies, Sysquake running in web browsers and virtual experimentation for deployment in moocs.



Ricardo Omar Chavez Garcia

Ricardo is a Postdoctoral researcher at [Gambardella Lab](#) studying intelligent perception for robotics. His research interest concern cognitive perception, machine learning and data fusion.



SELECTED NCCR ROBOTICS PUBLICATIONS *

H. Rebecq, T. Horstschaefer, G. Gallego, D. Scaramuzza, "EVO: A Geometric Approach to Event-Based 6-DOF Parallel Tracking and Mapping in Real Time" IEEE Robotics and Automation Letters, 2017.

D. Floreano, S. Mintchev and J. Shintake, "Foldable Drones: from Biology to Technology" SPIE Bioinspiration, Biomimetics, and Bioreplication, Portland, Oregon, 2017.

T. Asselborn, W. Johal and P. Dillenbourg, "Keep on Moving! Exploring Effect of Motion during Idle Moments on Anthropomorphism" RoMan 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.

