Swiss Robotics Industry Day
Members of the industry are invited to be part of this unique opportunity to gain insight into the Swiss Robotics ecosystem on 01st of November 2018 at the SwissTech Convention Center. Read more

Front cover of Neuron
Micera lab's was featured in the front cover of Neuron for their work Biomimetic Intraneural Sensory Feedback Enhances Sensation Naturalness, Tactile Sensitivity, and Manual Dexterity in a Bidirectional Prosthesis. Read more

25 women in robotics you need to know about-2018
Our Review Panel member Katherine J. Kuchenbecker, has been listed amongst this year’s 25 women in Robotics you need to know about. Read more

FES-ABILITY New Spin-off
The Spin Fund committee has granted Andrea Crema the 12th NCCR Robotics Spin Fund for FES-ABILITY, hosted at Micera lab. FES-ABILITY aims at developing proprietary technology... Read more

sevensense New Spin-off
The Spin Fund committee has granted Gianluca Cesari the 13th NCCR Robotics Spin Fund for Sevensense, hosted at Siegwart lab. Service robots have the potential to drastically increase efficiency in various... Read more

Francesco Mondada heads the new Centre for Learning Sciences
The new EPFL LEARN Centre, launched earlier this month, will promote innovation in teaching and help formulate responses... Read more

NCCR Robotics at IROS 2018
We are glad to announce that once again, NCCR Robotics was present at IROS 2018. Several of our PIs attended and presented their work. Read more

EPFL Drone Days
Last month, the EPFL Drone Days welcomed close to 5,000 people. The highlight of the event was the spectacular drone race, won by three Swiss pilots after several days of intense battle involving over sixty international... Read more.
Tomislav Horvat PhD defense
Tomislav ([ijspeert lab]) presented his public PhD thesis defense entitled "Towards Agility: Definition, Benchmark and Design Considerations for Small, Quadrupedal Robots" last June and will continue his work at Paik lab.

Three NCCR Robotics Spin-offs in the top 100 Swiss Startup Awards
NCCR Robotics Flyability, Fotokite and ANYbotics were selected amongst the top 100 Swiss Startups in September. Read more

Flyability amongst the 6 SVC Award finalists
Flyability, was selected amongst the six nominees for the SVC 2018 award finalists taking place early November this year.

European Commission mentions SensArs as success story
NCCR Robotics spin-off SenseArs was listed amongst the highlights from some of the breakthrough innovations supported by the EU funding instruments... Read more

NCCR ROBOTICS OPEN POSITIONS

Postdoc position in amphibious field robotics
The [ijspeert lab] (EPFL) has an open postdoc position in amphibious field robotics and biorobotics. The goal of the project is to participate to the design and ... Read more

Four open positions
NCCR Robotics spin-off intento is currently looking for engineers in embedded software, android software and also for two intern engineers in software and in material. Read more.

Open positions at NCCR Robotics Spin-off, ANYbotics
Multiple open positions at ANYbotics: Software Engineer - Robot Navigation, Software Engineer BS/MS, Electrical Engineer BS/MS and Mechanical Design Engineer BS/Ms. Read more

2018 EVENT UPDATE - WE WILL BE AT:

SNSF Site Visit
18 - 19 October 2018
Bern

CoRL
29- 31 October 2018

External calls

Switzerland (D/L 28 Oct)
IMD Startup Competition (D/L 12 Nov)
ISMR 2019 (call for papers) (D/L 01 Nov)
RoboSoft 2019 (call for papers) (D/L 01 Nov)
The Swiss contest bugplay is now open to students for prizes. This contest is not about academic excellence, but creativity in projects, installations, robots for the under 25 years.

Equal Opportunities corner

Workshop programme organised by the EO Offices at universities in French speaking Switzerland
satw all day conference 29th January 2019 in Bern in French: Femmes dans la Technique et l’Informatique – explorer les potentiels

Start-up corner

Please find following links related to start-up support. If you would like to promote your events through our channel, please contact us at nccr-robotics@epfl.ch
INNOBOOSTER – Accelerating Market Entry of Deep Tech Spin-Offs «INNOBOOSTER» aims at speeding up innovative, science-based deep tech business cases which have already entered the Venture Kick process and promise high market potential.
IMD Startup Competition (D/L 12 Nov)
Venturelab - Business Creation - Intensive Course for Engineering Startups courses
Venturelab 5-Day Startup Training in Business Growth for Engineers Public

Swiss Robotics corner

News related to the Swiss Robotics Community
The following Swiss Robotics companies will be present at the Industry Day: Bluebotics, ecoRobot, force dimension, GCTronic, Henshel robotics, Hydromea, invation, senseFly and WindShape

External positions

Internships (MIRobotics)
PhD: Interactive Imitation Learning
Biomimetic Intraneural Sensory

Towards Agility: Definition, Control of Bio-Inspired

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LATEST NCCR NEWS
Swiss Robotics Industry

Neuroprosthetics Annual Research Symposium
23 November 2018
Geneva Biotec Campus

Controlling Behaviour in Animal and Robots
03-04 December 2018
EPFL

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PRESS COVERAGE

L’histoire des drones s’écrira en Suisse
La première édition du congrès «Drone Innovators Network» a rassemblé une centaine d’acteurs du milieu, hier à Zurich. Dans une volonté... Read more or English translation

Bundesrätin Doris Leuthard eröffnet den ersten Drohnen-Kongress in Zürich
Ob Sicherheitsbereich, Landwirtschaft oder medizinische Transporte: Schweizer Drohnen haben ein... Read more or English translation

Des drones « bio-inspirés » passent partout
Des Perruches, des poissons, des crocodiles et des mouches ont permis d’élaborer des engins originaux... Read more or English translation

What has four legs, is all-terrain, and battery-operated?
He has four legs, runs, and can cover any terrain from snowy mountains to sandy beaches. Weighing in at just... Read more

The scientist giving robots eyes
Margarita Chli is a professor at ETH Zurich and leader of its Vision for Robotics Lab. One of her goals is to give robots and drones “eyes” to help them navigate through potential... Read more

NCCR Robotics @HUBweek
Swissnex Boston gathered a selection of some of the most exciting drone early October at Aerial Futures: The Drone Frontier and Several NCCR Robotics projects participated attracting media attention. Read more

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IMPRESSUM
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NEW VIDEOS

Micro-Aerial Vehicles (MAVs) for Search and Rescue Applications

ETH robots in World Cup

RELab tenoexo: functions and grasp types

RELab tenoexo: setup, donning and doffing

RELab tenoexo: gesture classification training routine

An insect-inspired drone deforms upon impact

Amputees feel as though their prosthetic limb belongs to their own body

Semi-Dense 3D Reconstruction with a Stereo Event Camera (ECCV'18)

Deep Drone Racing: Learning Agile Flight in Dynamic Environments

Foldable Drone flying through narrow gap

NEW MEMBERS

Philipp Föhn (Scaramuzza lab)

Philipp is a PhD student working on control, estimation, and planning for quadrotors. His research focused on optimal control and now transitions to estimation and control problems for applications coupled with machine learning.

Yuhuang Hu (Delbruck lab)

Yuhuang Hu is a PhD student at UZH and studying Deep Learning algorithms. His research focuses on exploring novel Deep Neural Networks for event-based processing, Incremental Learning in videos.
Elia Kaufmann (Scaramuzza lab)
Elia is a PhD working on robotic learning. His research focuses on the combination of learning and classic control for agile drone flight and other general navigation tasks.

Jauwairia Nasir (Dillenbourg lab)
Jauwairia is one of the selected Early Stage Researcher (ESR) under the Marie Skłodowska Curie European Training Network ANIMATAS. Her research interests revolve around social robotics, cognitive modelling, multi-modal robot-human interaction, etc.

Utku Norman (Dillenbourg lab)
Utku is a Marie Skłodowska-Curie ITN fellow of the ANIMATAS project, investigating mutual modelling methods in order to improve human-robot interaction in the context of collaborative learning with robots.

Fabrizio Schiano (Floreano lab)
Fabrizio is a scientific collaborator. He is interested in swarms of aerial robots (drones) and how to use them to change, and improve society.

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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.