



The NCCR Robotics Newsletter will be back mid February 2016



KTT Committee

We are pleased to announce David Atienza as chair the NCCR Robotics [KTT Committee](#) from 01st of December 2015. We also take this opportunity to thank Tobi Delbruck for his valuable input as previous chair of the committee.



Marco Hutter

We welcome Marco Hutter as an [NCCR Robotics PI](#). Marco will continue to contribute to the [RR-GC](#). He will be heading the Robotic Systems Lab ([RSL](#), ETH Zurich). Dario Bellicoso and Jemin Hwangbo will be working with him as part of this team.



NCCR Robotics Outreach event - R2T2

More than 100 children from Switzerland, Austria, France, Italy, Russia and South Africa were online last month during the [Swiss Robotics Industry Day](#) to rescue a « Mars station ». [Read more](#)



RPG (ETH Zurich) Education & Outreach Activities

[RPG](#) (ETH Zurich) have recently organised a number of educational activities aimed at children of school age and students. A summary of the events is presented on our website. [Read more](#)



BioRob (EPFL) at Bay Area Science Festival

On the invitation of Swissnex San Francisco, a team from [BioRob](#) (EPFL) and NCCR Robotics headed off to San Francisco this Autumn to participate in the Bay Area Science Festival [Read more](#)



ROBOTICS WORLD

Top News

[Tabletop telepresence finding its niche](#)

[What's new in robotics this week? Bosch unveils agricultural robot](#)

[Robots Podcast #197: Multi-agent systems and human-swarm interaction, with Magnus Egerstedt](#)

[Holiday gift ideas for RoboGeeks \(2015\)](#)

[How many axes does my robot need?](#)

World events

[Techfest International Summit \(26-27 Dec\)](#)

[Techno-Management Symposium of IIT Kharagpur \(21-24 Jan\)](#)

[IFAM \(27-29 Jan\)](#)

[Global Robot Expo \(28-31 Jan\)](#)

[The Unmanned Systems Expo \(2-4 Feb\)](#)

[QUARK 2016 \(5-7 Feb\)](#)

[LIFT \(10-12 Feb\)](#)

[WearRAcon16 \(10-12 Feb\)](#)

[Tech innov \(11 Feb\)](#)

External calls

[International Bionic Award](#)

[euRobotics Forum 2016 \(exhibitors & sponsors\)](#)

[ABB - grants of \\$300,000 for projects in robotics](#)

[Early Postdoc. Mobility Fellowships \(SNSF\)](#)

[Business Concept \(Register for the training\)](#)

External positions

[Multiple tenure-track/tenured faculty members in the area of robotics \(Arizona State University\)](#)

[Research Group Leader \(Max Planck Institute for Intelligent Systems\)](#)

[Open Tenure-track Faculty Positions \(UCSB Mechanical Engineering\)](#)

[Post-Doc Position Robust & Optimal Control for In situ Digital Fabrication \(ADRL, ETH Zurich\)](#)

[Assistant/Associate/Full](#)



CONGRATULATIONS

Flyability

Flyability has closed a second investment round to increase the funding from their previous first investment round to 2.5m CHF. [Read more](#)



WE WILL BE AT:

Global Robot Expo

28-31 January 2016

Madrid

[Read more](#)



START UPS INSIDE SWISS ROBOTICS

Swiss Robotics

[Swiss Robotics](#) is an expanding and successful NCCR Robotics initiative that provides Swiss Start Ups with a unique opportunity to co-exhibit with NCCR Robotics at selected conferences and trade fairs. Discover some of these Start Ups:



MagnebotiX

MagnebotiX develops and produces magnetic manipulation systems for the precise control of magnetic microagents. Their patented products drive research in nanorobotics and biology, and find applications in handling delicate tasks at the micro scale. [Read more](#)



NCCR PRESS COVERAGE

R2T2 Press Coverage:

[Team Nancy, France, in "L'Est Républicain"](#)

[Team Fribourg, Suisse, in La Liberté](#)

[Team Sion on canal9](#)

[Mars Station EPFL in Le Matin](#)

[R2T2 on Oxford Virtual](#)

[Team Russia in the newspaper of Korolev](#)

[Team Russia on TV of Korolev](#)

[Team geneva on Le Temps](#)

[Team South Africa in aBr Magazine](#)

[The event on Flash, the internal newspaper of EPFL \(p.25\)](#)



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



NEW VIDEOS

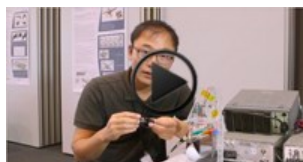
Careers in Robotics - Wafa Johal



R2T2



A new versatile gripper



Cyathlon 2016 trailer



[Professor](#) (Oregon State University)

Interesting link

[Spot Is Boston Dynamics' Nimble New Quadruped Robot](#)

Useful links

[Kickstarter.com](#)

NCCR Robotics Director

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Cyathlon 2016 - Exoskeleton trailer



Cyathlon 2016 - Wheelchair trailer



Cyathlon 2016 - Powered Arm Prosthesis Race Trailer



GUESS WHO?

Can you guess who this NCCR professor is?

When he was a baby, he was fascinated by a mechanical bird in a cage that his grandfather would play for him. [Read more](#)



NEW MEMBERS

Boris Gromov ([IDSIA](#))

Boris is a PhD student at IDSIA. Previously he worked as a research engineer in the area of haptics and teleoperation at Korea Tech's BioRobotics Lab. His current research focuses on multimodal human-robot / human-swarm interaction and its applications in search and rescue scenarios.



Francois Francezon ([IDSIA](#))

Francois is a PhD student at IDSIA, studying rescue collaboration and coordination in search and rescue environments. His research focuses on the formation and interactions of coalitions between humans and robots.



Dario Bellicoso ([RSL](#))

Dario is a PhD student at ETH Zurich and studies control algorithms for multibody systems. His research focuses on planning and control of a quadrupedal robot in challenging environment.



SELECTED NCCR PUBLICATIONS *

J. Omedes, I. Iturrate, R. Chavarriaga and L. Montesano, "Asynchronous Decoding of Error Potentials During the Monitoring of a Reaching Task" In *2015 IEEE International Conference on Systems, Man, and Cybernetics (SMC2015)*, Hong-Kong, October 9-12, 2015.

*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 Center 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.

