

SWISS ROBOTICS INDUSTRY DAY (4th Nov 2015)

This one-day annual conference is exclusively designed for industry to showcase the activities of the Swiss Robotics ecosystem, including NCCR Robotics and selected Swiss start-ups active in the field of robotics, through a series of robot and technology demonstrations, posters and discussion groups. Alongside this programme, the invited guests were offered the chance to share views on current and foreseeable needs and challenges facing the industry through talks by research and invited industry leaders (NISSAN, MOOG) and well-established Swiss Robotics companies at the cutting edge of haptic design (Force Dimension) and situational aware systems - mapping drones (senseFly).

The delegates were composed of representatives from over 30 companies including Toyota, Nestlé and Ossur attending from across Europe and the USA. The event provided them with a unique opportunity to shape future research and provide guidance as well as offering privileged access to new and emerging technologies, while start-ups and researchers were given the opportunity to create new business links and forge new contacts.

SWISS+
ROBOTICS
INDUSTRY
DAY

SWISS ROBOTICS INDUSTRY DAY PRESS COVERAGE



ROBOTICS WORLD

Top News

[1,000 workers produce latest batch of 1,000 Pepper robots](#)

[Robots in Depth: Andra Keay on opportunities and challenges for startups](#)

[Feeding the robot chef](#)

[Bioinspired robotics #2: Materials, manufacturing & design, with Robert Wood](#)

[Emotionally literate tech to help treat autism](#)

World events

[ROBOT'2015 \(19-21 Nov\)](#)

[Robotics Expo \(20-22 Nov\)](#)

[RoCKIn2015 \(21-23 Nov\)](#)

[European Robotics Week 2015 \(ERW2015\)](#)

[\(23-29 Nov\)](#)

[Robot Performance Festival](#)

[\(26-28 Nov\)](#)

[dronetech \(26 Nov\)](#)

[Smart Automobile Forum \(27 Nov\)](#)

[Maker Fair Hong Kong](#)

[\(28-29 Nov\)](#)

[Robotics Alley \(1-2 Dec\)](#)

[IREX \(2-5 Dec\)](#)

[U.S. Drone Film Festival \(5 Dec\)](#)

[RoboUniverse Shanghai](#)

[\(8-10 Dec\)](#)

[Manufacturing Summit: Robotics, Automation, Development](#)

[\(10-11 Dec\)](#)

[RoboUniverse](#)

[\(14-16 Dec\)](#)

External calls

[International Bionic Award](#)

[UNISDR Science and Technology Conference on the Implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030 - Call for Abstracts - Poster Session](#)

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

[ROBO EXPOS - Call for Speakers](#)

[GR-EX - Drone Competition & Startup Contest](#)



Wearable Robotics
Industry [Innovation Competition](#)
Humanitarian [Project Proposals](#)
euRobotics Forum 2016 - [call for workshops](#)

External positions

[Staff Engineer - Wearable Robotics](#) (Position at Wyss)

[Faculty Positions in Robotics](#) (Georgia Institute of Technology)

[PhD Positions](#) (University of Cambridge)

[PostDoc Openings](#) (Humanoid & Human Centred Mechatronics Lab, Italian Institute of Technology)

[Experienced Researcher in Cyber-Physical Systems](#) (Ericsson Research)

Interesting links

[A new approach to risk management: safe integration of RPAS into civil airspace & civil operations](#)

[Raffaello D'Andrea on the Future of Robotics](#)



CONGRATULATIONS

Gimball

Gimball won the 2015 [Popular Mechanics Breakthrough Award](#).

SensArs Neuroprosthetics

SensArs Neuroprosthetics won third place at [IROS 2015 entrepreneurship Forum & Start-up competition](#).



Tomislav Milekovic

Tomislav was awarded a one year extension for his postdoctoral research fellowship on the project "Brain-Spinal Interface: Neuroprosthetic platform for alleviating gait disorders for people with paralysis" mentored by Grégoire Courtine.



WE WILL BE AT:

Swiss Handicap

27 - 28 Nov

Luzern

[Read more](#)



GUESS WHO?

Can you guess who this NCCR professor is?

As a child, this professor had an enormous interest in technology. He would draw futuristic machines that, in his fantasy, would improve people's lives. He would take everything apart that he could get his hands on, rarely getting it back together. [Read more](#)



NCCR Robotics Director

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Jenifer Miehlsbradt ([TNE](#) - EPFL)

Jenifer is a PhD student at the Swiss Federal Institute of Technology (EPFL). Her research focuses on the processing of biological signals for intuitive interactions with robotic devices.



Alexandre Cherpillod ([LIS](#) - EPFL)

Alexandre Cherpillod is a PhD student at the Swiss Federal Institute of Technology (EPFL) studying human robot interaction.



Carine Rognon ([LIS](#) - EPFL)

Carine is a PhD student at the Swiss Federal Institute of Technology (EPFL) and is working on an exoskeleton suit. She received her Bachelor degree in Microengineering from the EPFL and her Master degree in Biomedical Engineering from ETH Zurich.



Wafa Johal ([CHILI](#) - EPFL)

Wafa is a postdoctoral scientist at EPFL working on the NCCR Robotics Cellulo project. She has a PhD in Computer Sciences specialising in human-robot interaction, particularly on non-verbal cues for communication and cognitive reasoning.



Jaime Duarte ([SMS](#) - ETH Zurich)

Jaime is a postdoctoral fellow at SMS (ETH Zurich) where he studies the use of robotic devices for motor learning, motor control and rehabilitation. His research focuses on the effects that challenge and reward have on motivation, motor performance and motor learning.



DEPARTING MEMBERS

Séverin Lemaignan ([CHILI](#) - EPFL)

After two years spent at fixing NAOs and other little beasts within EPFL's [CHILI](#) Lab, Séverin is leaving to head to Tony Belpaeme's group at Plymouth University: British-speaking robots to fix! Lovely!



SELECTED NCCR PUBLICATIONS *

V. Bartenbach, D. Wyss, D. Seuret, R. Riener, "A lower limb exoskeleton research platform to investigate human-robot interaction" *Rehabilitation Robotics (ICORR), IEEE International Conference on*, August, 2015, pp. 600-605.

V. Bartenbach, K. Schmidt, M. Naef, D. Wyss, R. Riener "Concept of a soft exosuit for the support of leg function in rehabilitation" in *Rehabilitation Robotics (ICORR) IEEE International Conference on*, August, 2015, pp. 125-130.

J. Shintake, S. Rosset, B. Schubert, E. Bryan, D. Floreano, H. Shea, "Versatile soft grippers with intrinsic electroadhesion based on multifunctional polymer actuators", *Advanced Materials*, 2015. doi:10.1002/adma.201504264.

*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.

[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.

