



NCCR ROBOTICS NEWS    

Cyathlon Tickets now on sale

[Cyathlon](#) Tickets are [now available](#). Secure your place at Cyathlon (Zurich, 8th October 2016) and experience a world premiere where people with physical disabilities compete using the newest technical assistance systems in six challenging disciplines.



CONGRATULATIONS

Auke Ijspeert made Full Professor

Prof. Auke Ijspeert ([BioRob](#), EPFL) has been appointed Full Professor of Bioengineering in the School of Engineering (STI) at EPFL. His research develops animal robots and uses these robots to study living animals. [Read more.](#)



HRI2016 Chairs Awards winner

S. Lemaignan, F. Garcia, A. Jacq and P. Dillenbourg ([CHILI](#), EPFL) have been granted "Best Paper Theory and Methods in HRI" for [Lemaignan et al., 2016](#).



Michael Tucker ([RELab](#), ETH Zurich)

Michael's PhD defence, "Development of a Tool and a Method for Estimating Knee Impedance during Gait" took place on 14th March. He will continue his research at RELab while seeking opportunities in the wearable robot design and development field.



CALLS

Cyathlon Symposium: Call for abstracts

[Call for abstracts](#) for the Cyathlon Scientific Symposium (Zurich, 6th October, two days before the main [Cyathlon](#) event). Deadline: April 30th 2016. [Read more](#)



SMC - Workshop in Brain-Machine Interfaces

Papers are now being accepted for this workshop, theme: "New Research Opportunities and Industrial Applications in BMI Systems Arising from the IEEE Brain Initiative" Deadline: 15th April 2016. [Read more](#)



WE WILL BE AT:

ERF 2016

21-23 March 2016

Ljubljana, Slovenija

[Read more](#)



In this issue also...

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[Prof. Auke Ijspeert made Full Professor](#)

[HRI Chair Award \(CHILI -EPFL\)](#)

[Michael Tucker' PhD thesis defence](#)

[Cyathlon Symposium Call for Abstracts](#)

[SMC Workshop in Brain-Machine Interfaces Call](#)

[We will be at ERF, Cambridge Science Festival, Hannover Messe, Automatica](#)

[Guess Who](#)

[Meet The People from LIS \(EPFL\)](#)

Top News

[European Robotics: Creating new markets for SMEs](#)

[American law needs a reboot when it comes to robots](#)

[NAO Next Gen now available for a wider audience](#)

[Google DeepMind challenge match: Lee Sedol vs AlphaGo](#)

[Interview: The team behind the apple harvesting robot](#)

World events

[Cognizance](#) 18-20 March

[European Robotics Forum](#) 21-23 March

[We Robot](#) 1-2 April

[SR Sprint Robotics](#) 4-5 April

[IEEE Haptics Symposium](#) 8-11 April

[Drone Dealer Expo](#) - 11-13 April

[The internet of things](#) 12 April

[Cambridge Science Festival](#) 15-24 April

[Hannover Messe](#) 25-29 April

[Soft Robotics Week](#) 25 - 30 April

External calls

[AAAS 2017 Boston Annual Meeting](#)

[Soft Robotics Competitions](#)

[Abstract Award Competition at Forum](#)

[ISER](#)

[ICIA](#)

[ICSR](#)

[Workshop in Neurorobotics](#)

Cambridge Science Festival

15 - 24 April 2016

Cambridge MA and New England

[Read more](#)



Hannover Messe

25-29 April 2016

Germany

[Read more](#)



AUTOMATICA

21 - 24 June 2016

Germany

[Read more](#)



NCCR PRESS COVERAGE

Amputee Feels Texture with a Bionic Fingertip

Wide international media coverage followed [NCCR Robotics News Bulletin](#) sent earlier in March including [BBC](#), [RTS](#) and [New Scientist](#) amongst others.



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

NEW VIDEOS

Introducing ANYmal



Cyathlon Tickets now available



GUESS WHO?

Can you guess who this NCCR professor is?

This professor used to watch the sky at night looking for UFOs with his father and built physics experiments in his wardrobe which he transformed into a laboratory. He was also very passionate about sports, particularly rock climbing... [Read more](#)



NEW MEMBERS

Ping-Keng Jao (CNBI, EPFL)

Ping-Keng Jao is a PhD student at EPFL and is studying EEG signal processing. His research focuses on identifying changes in cognitive state of a user to improve their interaction with robots.



NCCR ROBOTICS LABS - MEET THE PEOPLE

External positions

[Chief Technology Officer](#) - Sky-Watch

[Post-Doc in Bioinspired Soft Robotics](#) - IIT

[Post Doc in Bioinspired Soft Robotic Technologies](#) - IIT

[Post Doc in Soft Sensing and Actuation Solutions for Wearable Systems](#) - IIT

Interesting link

[ScienceGeist](#)

NCCR Robotics Director

Prof. Dario Floreano

CONTACT

NCCR Robotics

Office MED 11626, Station 9
EPFL CH-1015 Lausanne
Switzerland

+41 21 693 69 39

nccr-robotics@epfl.ch
nccr-robotics.ch

IMPRESSUM

Publisher

NCCR Robotics Management
Team

Editor

Mayra Lirot

Contributing Editor

Linda Seward / Anne-Christine
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Laboratory of Intelligent Systems (LIS) EPFL

The Laboratory of Intelligent Systems at EPFL is headed by Dario Floreano, it merges biology and engineering to design future robotics systems and better understand nature. [Read more](#)



Alexandre Cherpillod (LIS, EPFL)

Alexandre is a PhD student at the Swiss Federal Institute of Technology (EPFL) studying adaptive human drone interfaces.



Przemyslaw Kornatowski (LIS, EPFL)

Przemyslaw graduated from Warsaw University of Technology in Poland. He is currently a PhD student in LIS and his research is focused on safe foldable drones for transportation.



Stefano Mintchev (LIS, EPFL)

Stefano received his PhD in Robotics from The BioRobotics Institute in 2014. He is currently working at LIS. His research focuses on the development of bioinspired strategies for robots with multi-modal locomotion capabilities.



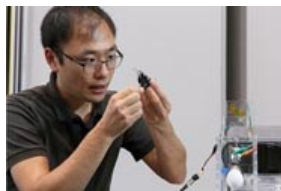
Carine Rognon (LIS, EPFL)

Carine is a PhD student and is working on wearable drone interface. She received her Bachelor degree in Microengineering from the EPFL and her Master degree in Biomedical Engineering from ETH Zurich.



Jun Shintake (LIS, EPFL)

Jun received a PhD in Microsystems and Microelectronics from EPFL in 2016. His research interests include soft robotics and smart materials.



SELECTED NCCR PUBLICATIONS *

A. Giusti, J. Guzzi, D.C. Ciresan, F. He, J.P. Rodríguez, F. Fontana, M. Faessler, C. Forster, J. Schmidhuber, G. Di Caro, D. Scaramuzza and L.M. Gambardella "A Machine Learning Approach to Visual Perception of Forest Trails for Mobile Robots," *IEEE Robotics and Automation Letters*, vol. 1, no., 2, pp. 661-667.

L. Hostettler, A. Özgür, S. Lemaignan, P. Dillenbourg and F. Mondada, "Real-Time High-Accuracy 2D Localization with Structured Patterns", In *IEEE International Conference on Robotics and Automation (ICRA)*, Stockholm, 2016.

S. Isler, R. Sabzevari, J. Delmerico and D. Scaramuzza, "An Information Gain Formulation for Active Volumetric 3D Reconstruction", In *IEEE International Conference on Robotics and Automation (ICRA)*, Stockholm, 2016.

A. Jacq, S. Lemaignan, F. Garcia, P. Dillenbourg and A. Paiva, "Building Successful Long Child-Robot Interactions in a Learning Context" In *Proceedings of the 2016 ACM/IEEE Human-Robot Interaction Conference*, 2016.

S. Lemaignan, F. Garcia, A. Jacq and P. Dillenbourg "From Real-time Attention Assessment to "With-me-ness" in Human-Robot Interaction" *Proceedings of the 2016 ACM/IEEE Human-Robot Interaction Conference*, 2016.

C.J. Nycz, T. Bützer, O. Lambercy, J. Arata, G. S. Fischer, and R. Gassert, "Design and Characterization of a Lightweight and Fully Portable Remote Actuation System for Use with a Hand Exoskeleton", *IEEE Robotics and Automation Letters*. Preprint Version. Accepted January, 2016.

*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.



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