



ISR-Connected 2.0

26 February
issue 2018.2

The past two weeks were quite eventful in terms of exceptional dates. There was Carnival, Valentines Day, the International Day for Girls and Women in Science. Finally, last week we had yet another deadline - the "emprego científico" call - and ISR hosted 18 applications (and 41 from LARSyS). Best wishes for all the applicants.

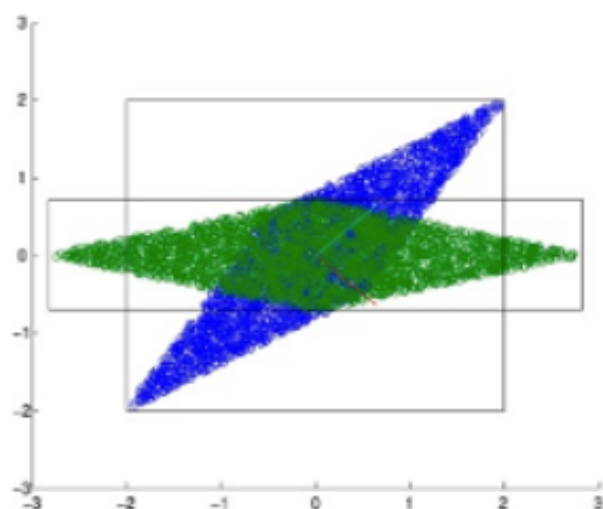
It is now time to get back on track with some news about ISR-Lisboa. Send the information you would like to share with the ISR-Lisboa's community to isr-connected@isr.tecnico.ulisboa.pt

Enjoy the reading,

José Santos-Victor



What's New

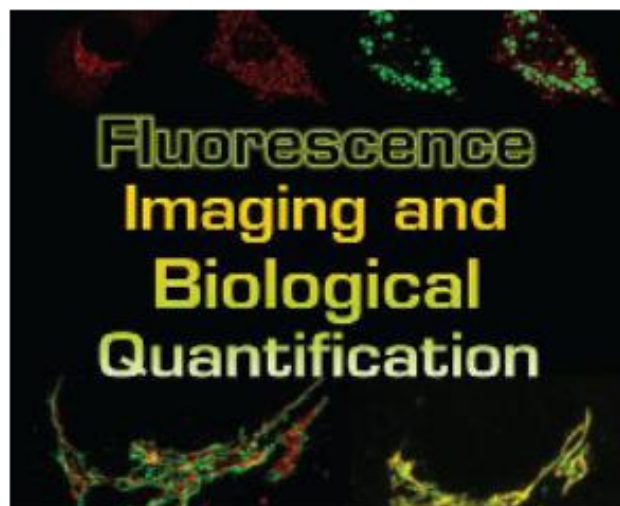


Published paper

"Self-Triggered and Event-Triggered Set-Valued Observers" was published in Information Sciences this January. [Daniel Silvestre](#) explained how the paper involved the development of novel computational strategies to optimize the autonomous management of complex networks. This could have future applications when dealing with many factors, for instance, in the case of several driverless vehicles circulating simultaneously. [Read it here](#)

Book publication

"Fluorescence Imaging and Biological Quantification" is a collaborative effort from several scientific branches. It aims to demonstrate how images from fluorescence microscopy can be mathematically processed to depict molecular events. Collecting 2D+3D images produced in routine and research labs, it also features work from imaging and computer based techniques. Find Prof. [João Sanches](#) who co-authored the book, to learn more.



***National Institute of
Oceanography, Goa***

Marine Robotics School in Goa

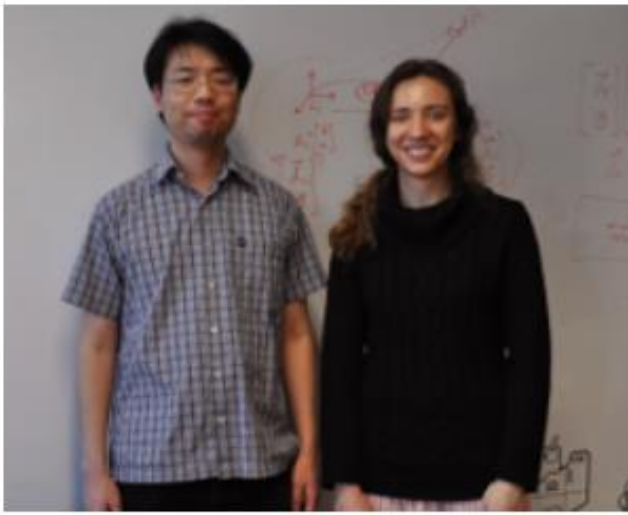
Organized by the National Institute of Oceanography of India, the 4th Edition of Marine Robotics School took place in Goa, from the 12th to the 17th of February. This course, co-organized by Prof [António Pascoal](#), focussed on providing both theoretical and practical issues in order to showcase marine robotics research and advanced underwater systems. Many academic institutes, research organizations, navy and naval research laboratories were present.

Inside ISR

Visit from AUA faculty members

On the 7th of February ISR-Lisboa received a visit from representatives of the [American University of Armenia](#). Professor José Santos-Victor welcomed their Vice President of Operations as well as the Director of Facilities & Services- They toured the Mobile Robotics Laboratory and others, in order to showcase the work being developed by the researchers and students of our Institute.





Goodbye to Zita and Oat

Congratulations to Zita Marinho and Jagakorn "Oat" Vongkulbhisal who have successfully completed their PhD's. Zita's research focused on moment and kernel-based methods for applications in robotics and natural language processing and was undergone in partnership with Carnegie Mellon. Oat will be leaving ISR-Lisboa to go to Tokyo, where he will be part of IBM Research. Safe travels and great success to both.

Press

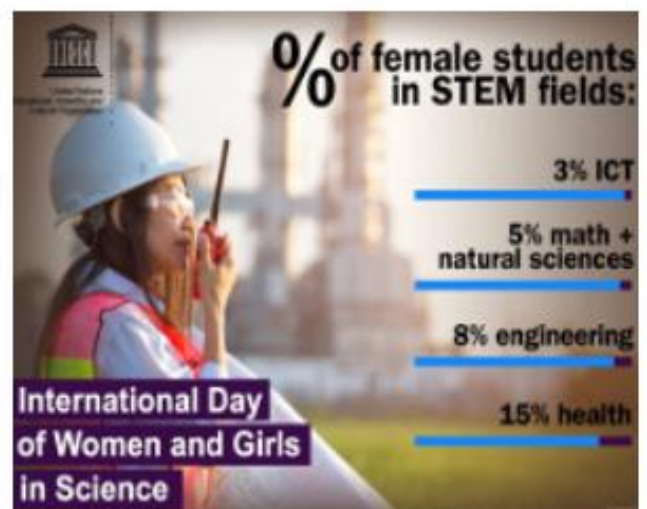


Horizon magazine on robots & the workforce

Horizon, The EU Research & Innovation Magazine, published an exposition on how robots are changing and will change, Europe's workforce. Based on statistical studies, particularly one from the McKinsey Global Institute, the article analyses the practical implications and common misconceptions related to an increase in the use of technology. [Read more](#)

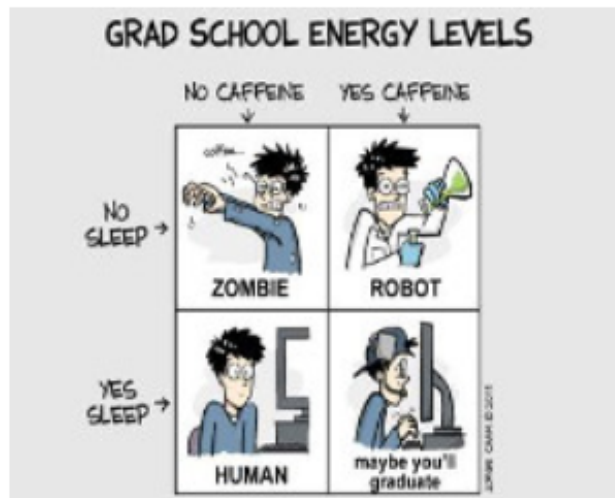
International Day of Women and Girls in Science

This international day, celebrated each year on 11 February, was adopted by the United Nations General Assembly to promote full and equal access and participation in science for women and girls. This year it was celebrated by several institutions, including many Portuguese ones. If you'd like to learn more, including about ongoing EU calls and projects, explore an EU parliament research post [here](#)



Call for Participation: FREEBOTS

The FREEBOTS competition aims at challenging the international community of R&D to present their latest research results. Participation must involve real, terrestrial, airborne or aquatic robots - mobile or not, multiple or single. The next one will take place at the XVIII Portuguese Robotics Open, from the 25th to the 29th of April, in Torres Vedras. Register your team in the FREEBOTS league to take part until the 24th March. [More](#)



PhD Courses still to start

You can still apply for three PhD courses that will be starting very soon. Nonlinear Control Systems by [António Pascoal](#), starting on the 5th of March, Computer Vision by José Santos-Victor, which is starting next week and [Big Data](#) by Cláudia Soares. Check Fénix for more.

Sticky Note

Share a piece of information that might be useful

