

This is a special week as we celebrated the 44th anniversary of the revolution that re-installed the democratic regime in Portugal (April 25th, 1974) and the week of 23-27 is the world-wide week for Creativity and innovation. Both aspects should be inspiring for this issue of ISR-Connected and for all our readers.

Call for contributions: ISR Institutional video

We take this opportunity to launch a call for videos in order to create a repertoire of video material to disseminate ISR's activities and to create our institutional video. Please send (short) videos (2-3 minutes) to Bárbara Teixeira. We will also make special recordings when adequate. This video material will be collected during the month of May. ISR-Oscars will be awarded to the best videos!!!

José Santos-Victor

What's New

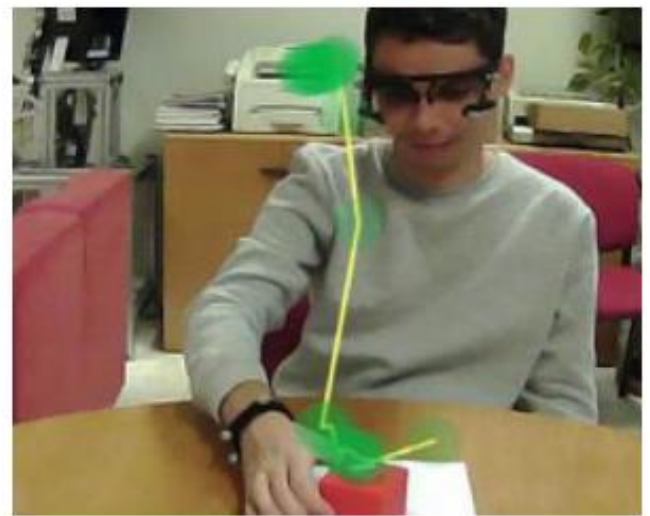


FUSION project is wrapping-up first stage

FUSION is an innovative underwater vehicle produced by SRS (Strategic Robot Systems) together with a team from ISR-Lisboa, who is responsible for the development of the system of navigation and control. Learn more about the miniature vehicle, the recent tests at Jardim do Cabeço das Rolas and why the President of SRS chose to work with ISR-Lisboa, by reading [here](#).

ACTICIPATE studies humans to design robots

The ACTICIPATE project addresses the challenge of designing robots that can co-work with humans, by learning from human experiments in order to create a controller that can allow a robot to adapt its behaviour and to understand, predict and anticipate the actions of a human co-worker. Read more about the process, goals and possible applications of this project [here](#)



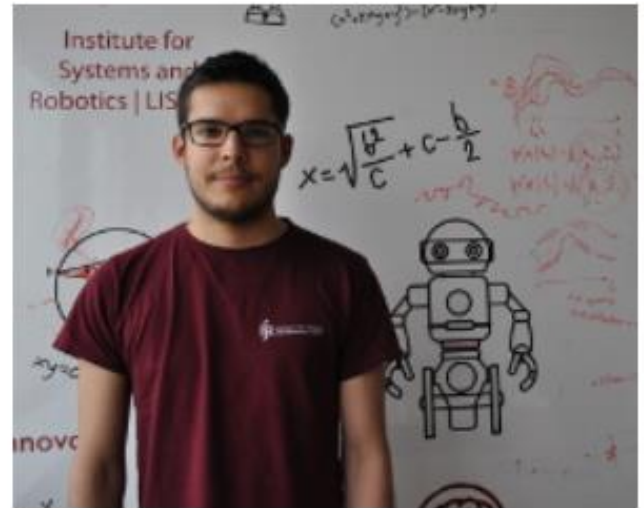
"iCub, clean the table!"

Addressing the issue of autonomous cleaning tasks in uncontrolled environments, VisLab researchers used kinesthetic demonstrations to teach the iCub how to perform different cleaning tasks and published the results for the 18th IEEE International Conference on Autonomous Robot Systems and Competitions (ICARSC 2018). The robot was able to successfully clean a table with two different types of dirt. Watch the iCub do a bit of cleaning [here](#) or click [here](#) to read the publication.

Inside ISR

People of ISR - Hugo Simão

Hugo Simão was a Master student in Product Design, at the Architecture Faculty of Lisbon University, when he first started cooperating with ISR-Lisboa. His work on a robot that aims to positively impact the daily routines of people with dementia led him to be invited to join a team at ISR-Lisboa, currently working on the AHA project. Learn more about Hugo's path, in another edition of People of ISR, by clicking [here](#)



Happy birthday to Vizzy

The "birthday" of Vizzy the robot was celebrated last 11th of March at ISR-Lisboa. A cake with a mini version of the robot was shared among the researchers, to celebrate its more than a decade of existence. If you're interested in keeping up with Vizzy or in learning more about its journey, why not follow its actions and commentary through its fan page, [here](#)

Where in the world are ISR alumni

Nuno Gracias studied at IST for 13 years, where he graduated after a PhD with ISR-Lisboa. Nuno worked on submarine images processing, captured by robots who mapped the bottom of the ocean. Nowadays Nuno works with the University of Girona in tridimensional mapping and navigation strategies for underwater vehicles. In a recent visit, Nuno remembered fondly his time at ISR and explained how he still collaborates with the Institute through his work in submarine technology



Press



ISR- Lisboa in the Portuguese media

ISR was recently highlighted in a piece by the Portuguese news outlet *Correio da Manhã*, that aimed at showcasing the state of robotics in Portugal and the robots that already coexist among us. Besides a print news piece about the research currently being worked on at ISR, there was also a video piece, where several of the robots and researchers were featured. Watch it [here](#)

When robocars crash

The ethical issues surrounding self-driving cars, and what happens if they are involved in an accident, is a very current one that is being brought to light after several reports on different media newscasts. *IEEE Spectrum* ran an article on the issue, after the death of a pedestrian sparked some unprecedented legal issues. Read more about this event and how the issue is being dealt with in the cases where the problem has surged, [here](#)



EU reinforces investment in AI

The European Commission has announced that it will invest at least 20 thousand million euros, up to the year of 2020, towards research in artificial intelligence. The goal is to be on the frontline of this field, not only through economic investment, but also in ethics and education and job opportunities. Listen to the EU Commissioner for Research, Science and Innovation, Carlos Moedas, explain the reasoning for this investment [here](#) or read more about the topic [here](#)

Events



ISR-Lisboa at the 2018 CNS Congress for Parkinson's

Recently, at the Campos Neurologico Senior Congress, Professors Alexandre Bernardino and José Santos-Victor spoke about their research to hundreds of professionals in the areas of technology and health. CNS - Campus Neurológico Senior is working in partnership with ISR to develop projects related to exergames as a therapeutic intervention in Parkinson's disease. This project is currently in a recruitment stage. [Learn more](#)

World Creativity and Innovation Week

Created by the United Nations, the World Creativity and Innovation Day, celebrated on the 21st of April, became an International Day of Observance to encourage the use of creativity in problem solving. Related to the achievement of the sustainable development goals, it aims at inspiring new thinking and action by challenging the use of creative energy in worldwide projects. [Learn about the 2018 edition here](#)





National Robotics Festival 2018

From April 25 to 29, the Festival will be taking place in Torres Vedras, to promote the spirit of innovation to a more general audience. Portuguese teams will compete towards RoboCup, a world level robotics competition but the Festival also includes the 18th IEEE International Conference on Autonomous Robot Systems and Competitions, where national and foreign researchers showcase their work. Check the program [here](#) and keep up with a team who will be representing ISR-Lisboa, [here](#)

Sticky Note

Share a piece of information that might be useful

Dear ISR members,

As most of you know, ISR has a test bed for benchmarking and service robot competitions certified under the European Robotics League, in the Mobile Robotics Lab, 8th floor.

In order to manage better the test bed and/or the MoCap system usage, we have created (thanks to Meysam Basiri) a booking system at <https://irsgroup.skedda.com/>.

Due to this software license terms, though right now anyone can book and check other bookings, the latter will not be available soon, except for a total of max 5 "administrators". Therefore, I ask each of ISR groups which are potentially interested to use the test bed and/or the MoCap in the future to let us know the name and email of the group "administrator" for this booking system and this person will be able to book the infrastructure for anyone from his/her group.

Best

Pedro Lima