

ISR-Connected 2.0 - October

issue 2018.9

One more edition of ISR-Connected filled with different types of activities happening at ISR. Remember to share your news with our community. Inspire and be inspired!

José Santos-Victor

What's New



Cognitive Architectures

Published by Springer this book explores natural and artificial cognition, particularly how surroundings environment affect world definition. Addressing the design of artificial cognition architectures it shows how developments in robotics and artificial life are based in phenomena at the core of all forms of cognition. Authors are Maria Isabel Aldinhas Ferreira, João Silva Sequeira, and Rodrigo Ventura.

Ethics in New Technologies

"Ética Aplicada - Novas Tecnologias" by Maria do Céu Neves e Maria da Graça Carvalho is a volume that reflects on ethical questions applied to the sectors of society that are being revolutionized by emerging technologies. The several themes explored include a chapter on Robotics co-signed by João Sequeira and José Santos-Victor. The purpose is to consider an ethical dimension of horizontal questions in innovation like financing, cooperation and patenting.



Inside ISR



Visit from the EP President

On Thursday the 27th of September, Antonio Tajani, the President of the European Parliament visited ISR to get to know some of the Institute's work. From playing PEPE's exergames to driving the search and rescue robot RAPOSA, the President enjoyed a dynamic visit and was particularly interested in the experiences of young researchers and shared views on future EU investment in innovation and tech. More at welcome.isr.tecnico.ulisboa.pt/media/news/

Visit from Colégio Mira Rio

The students from the third and fourth classes of Colégio Mira Rio spent a day at ISR understanding how robots work and what it means to be a researcher. The female students had previously heard about ISR's robots from Professor Isabel Ribeiro and researcher Rute Luz and so we're very excited to see what they had learned about in action.



Ada Lovelace day

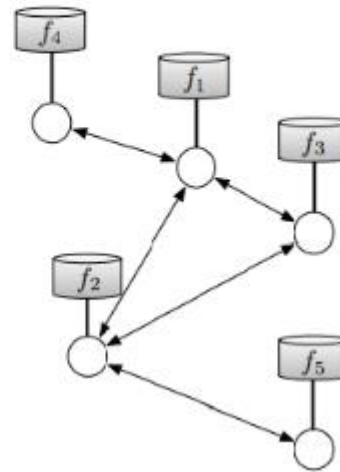
Ada Lovelace Day is an international celebration of the achievements of women in science, technology, engineering and maths (STEM). It aims to increase the profile of women in STEM and, in doing so, create new role models who will encourage more girls into STEM careers while also supporting women already working there. Several events are being organised throughout the world for the 9th of October. If you'd be interested in a joint viewing of a documentary about Ada, to celebrate the event, contact ISR comms.

Opportunities

PhD courses

The following courses are available for interested students:

- "Calculus of Variations and Optimal Control", contact Prof. João Lemos.
- "Network Science: Models and Distributed Algorithms" covers the latest tools from the boiling field of distributed processing, both for static and dynamic networks. Contact Prof. João Xavier.



Call for Papers

ROBOT'2019, the fourth Iberian Robotics Conference will be held in Porto, Portugal, on November 20-22. The conference is organized by SPR - Sociedade Portuguesa de Robótica and SEIDROB - Sociedad Española para la Investigación y Desarrollo en Robótica and will be held within the premises of the School of Engineering of the Porto Polytechnic.

Teaching Assistant

There's current opportunity as a TA for the undergraduate course "Optimization and Algorithms: "This position is equivalent to the credits for taking a PhD course, and would involve helping students during their project course and grading projects. For more information contact Professor João Xavier.



Press



AI and the work market

A recent projection by the World Economic Forum which predicted that by 2020 5 million jobs would disappear, has led to some public worry. When visiting Portugal for a conference, Pulitzer winner and scientist, Jared Diamond, left his opinion on the future of the work market. He gave an interview with RTP where you might spot some of ISR's robot: <https://bit.ly/2Qwcz4U>

Portuguese scientists in AI

AI has recently been a topic of public discussion in the news. That has led to reports on the state of the field and some scientists have been in the spotlight. This particular article explores the background of three who are key players in the field and who all happen to be IST alumni. Learn more about these Portuguese scientists working in the USA on top research institutes or companies: <https://bit.ly/2ygP5tR>



Events



13th SICC Workshop

In this international tutorial workshop on "Topics in Nonlinear Dynamics," PhD Students and junior researchers are given the opportunity to share their research through a dynamic presentation style: 20 timed slides shown for 20 seconds each. The event will gather scholars and practitioners in Turin, Italy, from 29 to 30 of October.

IROS 2018

The International Conference on Intelligent Robots and Systems is the flagship conference in the field of robotics and the biggest international event for researchers, companies and end-users. In Madrid, Spain, from October 1-5, this year's theme focused on advanced technological innovations as well as on societal aspects. SocRob@Home which competed at the ERL Consumer Service Robots tournament came in 2nd place.



SciRoc 2019

Held in Milton Keynes (UK) from Sept 16th to Sept 22nd 2019. The organisation is soliciting teams interested in taking part in the 1st SciRoc challenge to provide their input on the design and format of the competition. A preliminary set of episodes has been identified and they invite all interested teams to express their preferences on the ones they would be willing to compete in. Learn more: <https://bit.ly/2QURlNp>



Mind-Brain College Meeting

The 4th Students Meeting of the Mind-Brain College of ULisboa will take place on the 14th and 15th of November. The Mind-Brain College, which ISR/IST is a part of, has the purpose of incrementing transdisciplinary scientific activity to promote articulation between research units and society. The meeting will feature international speakers and focus on science/society implications. More: <https://bit.ly/2IZlvft>

