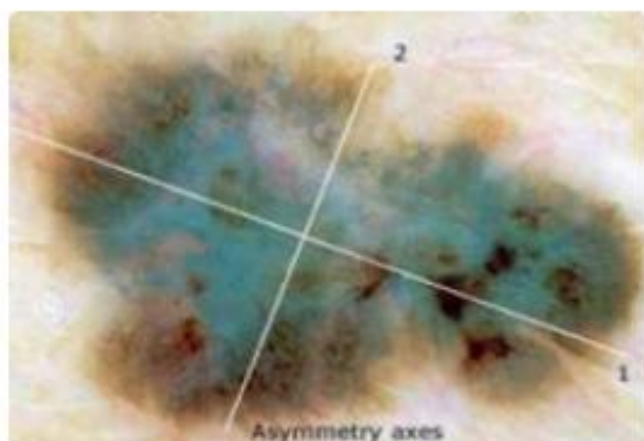




What's New



APRP PhD Prize 2018-2019

Catarina Barata was distinguished as best PhD during the Iberian Conference on Pattern Recognition and Image Analysis, IbPRIA 2019, an international conference co-organised by the Spanish [AERFAI](#) and Portuguese [APRP](#) chapters of the [IAPR](#) International Association for Pattern Recognition. Catarina developed her work on the improvement of melanoma diagnosis, tutored by Prof. Salvador Marques and Prof. Memre Celebi. You can read Catarina's thesis at bit.ly/2yuRkJC



Oficina Robótica Ciência Viva

Every year Ciência Viva promotes a week of science occupations for students, during the holidays. This year the activities, organized by João Pedro Gomes and Rodrigo Ventura in partnership with Rob9-16, allowed the group of young students to engage their curiosity and consolidate knowledge in engineering themes. At ISR|Lisboa they learned about unmanned aerial vehicles, robot competitions as well as current challenges and in robotics.



Outreach at Colégio Mira Rio

For fourteen lessons and with several different classes, researcher Rute Luz accompanied the students of Colégio Mira Rio. Together with Prof. Isabel Ribeiro, they helped the students acquire skills in programming, using scratch and an Arduino kit. In the latest lessons, the students were overjoyed by making their robot move and happily affirmed that they never thought it would be so much fun to work with robots.

International Collaboration

A collaborative project has been bringing a researcher from Radboud University on frequent visits to ISR. Prof. John van Opstal is working together with Alexandre Bernardino on the ERC Advanced Grant project "Orient", based on psychophysical/computational research on eye-head orienting in health and disease. The team is currently looking for PhD fellows and a Postdoc.

Opportunities & Events

Motivation – introducing the DECENTER project

Large scale systems are ubiquitous in many pressing technologies, e.g. swarm robotics, smart grids and intelligent buildings, traffic networks, water systems, etc., thus motivating **important challenges** in automatic control theory.

Centralized control and estimation solutions have **significant pitfalls**:

- No **robustness** to failure of a central node
- Suffers adequate due to **computational and communication limitations**

Decentralized control paradigms must be pursued to **successfully tackle the challenges** involving these complex systems



Project funded by FCT, as a result of the FCT/CMU Strategic Agreement, through FCT/01/2006 and FCT/01/2007, B. Ribeiro (2013/01012) and C. M. Rocha (2013/01012). <http://www.decenter-project.com>



Open Position for Post-Doc

The team responsible for the DECENTER project is looking for a Post-Doc researcher to take part in their developments towards novel decentralized control and estimation algorithms for large scale systems, with applications on the navigation of autonomous vehicles and traffic network management. This is open for those who hold a doctoral degree in a branch of knowledge or speciality that covers the scientific area of Systems, Decision, and Control or related scientific area. Apply until August 6.

CMU Portugal Support

The CMU Portugal Program regularly supports the launch of Exploratory Research Projects (ERPs) with the main objective of promoting Portugal's international competitiveness and innovation capacity in Science and Technology (S&T) and in Information and Communication Technologies (ICT). ERPs are selected through Exploratory Research project Calls, funded by the Fundação para a Ciência e a Tecnologia (FCT) for the period of 12 months. The call is open until July 30th, 5:00 pm GMT.



IBM Scientific Award

Until September 22 applications are open for the 15.000 IBM award, which has been, since 1990, distinguishing young researchers in Computer Science, not only promoting that they showcase their work but also connecting the academic and industrial worlds. Submitted either in English or Portuguese and at the individual level, candidacies will be evaluated a group of prestigious Portuguese scientists and a representative of IBM.



New Master at IST

The new Master in Engineering and Management of Innovation and Entrepreneurship is coordinated by Professors Joana Mendonça and Miguel Preto, from IN+. The main objective is to train qualified professionals, contributing to the formulation and implementation of innovative business strategies and public policies, as well as the creation of new technology-based companies. Applications are open until August 2, including scholarships for the best 10 candidates.



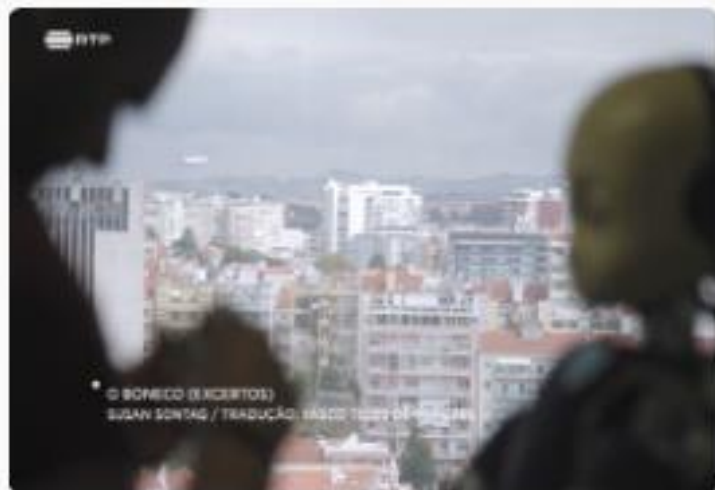
Teaching Positions

University College London is looking for a Teaching Fellow in Machine Learning to work in their Department of Electronic & Electrical Engineering. This vacancy comes to support the department in launching the new MSc programme in Integrated Machine Learning Systems in 2019/2020. Apply until August 9, [here](#). At IST there's also a teaching vacancy, for a TA in "Optimization and Algorithms" for the upcoming semester.



Call for a Research Fellow

A call is open for a research fellow at the Interactive Technologies Institute (ITI) of the University of Madeira, in the context of the "NeuroAugVR - Stroke Neurorehabilitation Augmented by Virtual Reality and EEG-neurofeedback: Neuroimaging-based Validation and Optimization" project. The ideal candidate would be a computer scientist, electric, electronic or telecommunications engineer. Applications and queries must be submitted by email to hr@m-iti.org referenced "NeuroAugVR_HR01."



RTP - Literatura Aqui

Literatura Aqui is an RTP2 program which intends to promote literature, by associating texts of diverse formats together with somewhat related images, to inspire the interpretation of the viewer. In their latest episode, you may recognise some familiar humanoid faces, paired with a text by Susan Sontag. Watch the episode on the interpretation of humanoid figures, at RTP play



FIREFRONT on the Newspaper

Jornal Público published an article about the FIREFRONT project. Since March this year, ISR-Lisboa researchers have been working with five other partners to develop a real-time forest fire mapping and spread forecast system, using unmanned aerial vehicles. Read the article to learn more on why it may be a great upgrade in the combat of forest fires: <https://bit.ly/2Kgdun>



Exhibit on the Ocean depths

An exhibition on the mineral resources of the Ocean is available at MUNAHC, with the goals to promote an ample debate on themes such as reserves and primary production, overview of the natural resources known on land, recycling, applications replacement, consume and consumerism, and, of course, new sources of raw materials, namely on the deep seafloor. The "Infante" vehicle, created for marine exploration, can also be seen there. Visit until the end of July.



SEEEP-SESE Summer School

Jointly promoted by two SESE Doctoral programs which aim to promote multilateral collaboration between the European and Chinese Universities of SEEEP, representatives from several institutions joined a summer school workshop at IST. With around 70 participants from both Europe and China, the workshop allowed for the interaction between faculty and doctoral students of the participating SEEEP institutions. Read more in the latest news at the ISR website