ISR-Connected 2.0 - November

issue 2018.10

We have completed another important step of the scientific evaluation of ISR and LARSyS. During the visit, on November 5th, the panel could appreciate the diversity, quantity and quality of the research carried out by ISR teams. I would like to thank everyone for the enthusiasm, commitment and hardship in the preparation of the visit, and the contribution to make ISR Lisboa a wonderful place to nurture creativity and new research ideas.

José Santos-Victor

What's New

Article published in NIPS

PhD Shanghang Zhang's work, co-supervised by Prof. Paulo Costeira, was accepted for publication at what is considered the largest and most influential conference in AI. "Adversarial Multiple Source Domain Adaptation" focusses on a subtopic of the researcher's PhD thesis, which analyzed large-scale traffic data captured from city cameras. Learn more about this work, as well as ongoing group goals, here

Distinguished Thesis Paper

"Robust Object Recognition Through Symbiotic Deep Learning In Mobile Robots" by João Cartucho, Rodrigo Ventura, and Manuela Veloso, was a finalist of the IROS RoboCup Best Paper Award 2018. The paper resulted from Cartucho's MSc thesis at IST, and a collaboration in the area of mobile service robots (CoBots) supported by the CMU-Portugal program. Learn more about the event and award, here

Space Solutions Shortlist

Farming-by-Satellite aims to promote the use of Galileo, the European GNSS and Earth Observation (EO) in agriculture. The entry proposed by the Team A-Micas, a collaboration of PhD students from the H2020 TREASURE project - of which ISR is a partner through PhD student Lotfi Massarweh, co-supervised by Rodrigo Ventura - has been successfully submitted and shortlisted for the 2018 award. More on the initiative here

HOW CAN WE USE SATELLITE TECHNOLOGIES TO IMPROVE AGRICULTURE AND REDUCE ENVIRONMENTAL IMPACT?

A €13,000 competition for students and young people across Europe and Africa. Register now!

Inside ISR

LARSyS Evaluation Visit

On November 5th ISR received the visit from the evaluation panel for the LARSyS proposal for future years. The panel of evaluators was welcomed by LARSyS President José Santos-Victor, thematic lines and group coordinators and IST President Arlindo Oliveira. They interacted with many PhDs, PostDocs and faculty members, as well as different initiatives and LARSyS flagship projects and infrastructures.

New Institutional Video

As you may know, a promotional video for ISR has recently been in the works. It has come to a final version, and for that, for which we'de like to thank all of those involved in the process. You are invited for a joint viewing at the ISR Meeting room. Join for a collective viewing of ISR's new promotional video, next Friday the 16th, at 6pm, room 7.21.

Get your Abstract Rejected

If you strive to have an abstract perfectly rejected, look no further. Here's a set of "guidelines", shared by Professor João Xavier, to help those who might need a little help getting an abstract rejected. "Even the worst abstract may not suffice for rejection Program, as committees differ in their standards." Read some insightful tips here

Opportunities

Postdoc Research Fellow

Concerned with the development of statistical spatiotemporal models to produce short-term forecasts of the shelf sea ecosystem from a combination of dynamical model output and data collected by ships and intelligently navigated gliders, plus, work (with Scottish Association for Marine Science) on the development and implementation of novel guidance and control algorithms for underwater vehicles (gliders and AUVs). More

Abu-Dhabi robot competition

Take part in the U. Seville/CATEC/ISR-IST team and participate in MBZIRC2020. Candidates with a Master's are expected to work on one of the following two topics: development and integration of outdoor navigation and manipulation skills into tasks carried out by an Unmanned Ground Vehicle, or development and implementation of the cooperation algorithms with the Unmanned Aerial Vehicles. Learn more or contact Professor Pedro Lima until November 30.
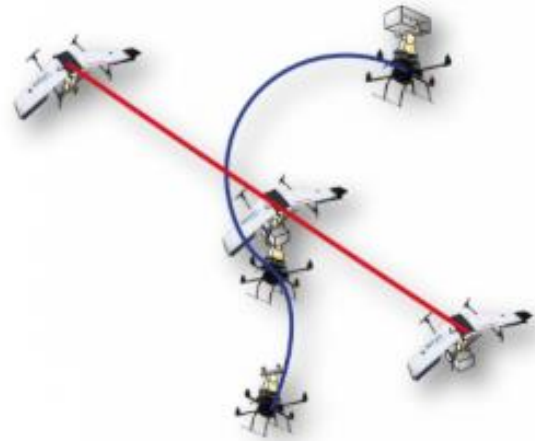
2 PhD + Post-doc in Lausanne

There are three positions open for advanced super-resolution reconstruction methods for quantitative magnetic resonance imaging of the developing of the fetal brain. This project will take place in the Center for Biomedical Imaging (CIBM) and the Department of Radiology at the Lausanne University Hospital (CHUV) and the University of Lausanne (UNIL) in Switzerland. More info

Research Engineer at ISR

With the option for a PhD Scholarship position, the selected candidate will be part of the research team of project REPLACE, addressing the fast package delivery in urban environments using drones, explicitly considering their limitations by using drone relays to enable effective package delivery to destinations that go beyond the flight range and autonomy of a single drone. More info

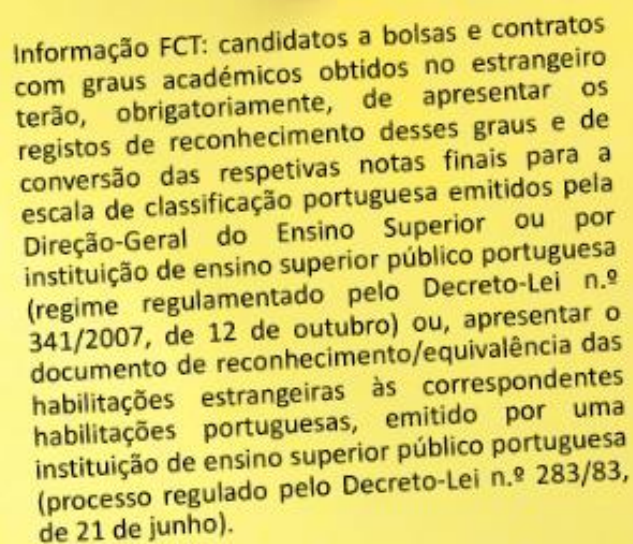## Events

ISR at the Web Summit

The Web Summit is one of the biggest events in global technology, uniting agents from several points of the industry with the focus of discussing and showcasing the future of innovation. ISR was represented by the PEPE - Platform of the AHA project, coordinated by Prof. Alexandre Bernardino. Even the Portuguese Prime Minister, António Costa, was showcased the project. Learn more about this year's edition here

European Robotics Week

From 16 to 18 November, Augsburg will be hosting the Central Opening event of the European Robotics Week 2018. In addition to the Opening event with high-level representatives from industry, research, policy and politics, to take place in the Town Hall on 16 November, several public talks and activities, for adults and children, will be offered at the Zeughaus. Learn more here

Informação FCT: candidatos a bolsas e contratos com graus académicos obtidos no estrangeiro terão, obrigatoriamente, de apresentar os registos de reconhecimento desses graus e de conversão das respetivas notas finais para a escala de classificação portuguesa emitidos pela Direção-Geral do Ensino Superior ou por instituição de ensino superior público portuguesa (regime regulamentado pelo Decreto-Lei n.º 341/2007, de 12 de outubro) ou, apresentar o documento de reconhecimento/equivalência das habilitações estrangeiras às correspondentes habilitações portuguesas, emitido por uma instituição de ensino superior público portuguesa (processo regulado pelo Decreto-Lei n.º 283/83, de 21 de junho).

f in