ISR-Connected 2.0 - 10 September

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I hope everyone enjoyed the summer break and that we all come back with renewed energy. A new academic year will be marked by new goals, achievements, theses, hard work and enthusiasm. This is what makes ISR-Lisboa a great institution.
ISR-Lisboa is now entering its 26th year of life and we will soon host a visit of the review panel who will be conducting the scientific evaluation of LARSyS.
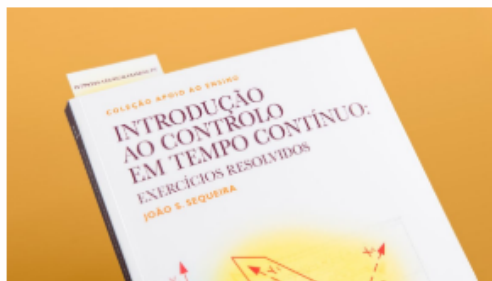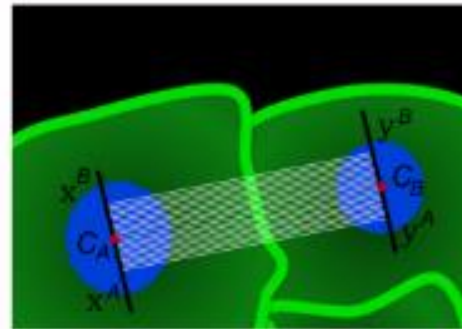*May the Force be with you throughout the new academic year (and beyond ....!)*

José Santos-Victor
ISR-Lisboa President,
LARSyS Coordinator

What's New

Article in Scientific Reports

Springer Nature published a paper by LaSEEB researchers explaining a novel methodology that allows the reduction of challenges faced because of cell variability. By designing a geometric compensation algorithm to cope with cell-to-cell difference the team managed to generate expression maps at an accurate level. This proposed method could be explored in research or diagnostic to identify patterns associated with diseases. Read more

Book Publication

Published by IST press the book "Introdução ao Control em Tempo Contínuo: Exercícios Resolvidos" by Professor João Sequeira summarizes main concepts such as linear systems, or continuous time. Ideal for anyone interested in a gradual familiarization with the topics usually taught at an introductory level in Control Theory. Learn more here

Publication on IEEE

An article on "Broadcast and Gossip Stochastic Average Consensus Algorithms in Directed Topologies" has been published in IEEE Transactions on Control of Network Systems. In their work, researchers Carlos Silvestre and Daniel Silvestre from ISR addressed the problem of consensus with a set of agents by computing the average of their initial states. Read more here

Inside ISR

People of ISR - Cláudia Soares

In this edition of People of ISR we get to know Cláudia Soares, whose professional background is quite out of the ordinary. Before studying Electrotechnical Engineering the researcher completed a masters level in a very different field of studies. Read the piece to find out which and why Cláudia believes they are, in fact, very connected.

New team member

ISR has welcomed Stéphanie Amati from Lausanne, Switzerland, as a new member of our Institute. Stéphanie has joined the DSOR lab where she will be working in the FUSION and Medusa Deep Sea projects. We extend our welcome to every new student or researcher joining the Institute in this new academic year.

Public speaking skills

The way you present yourself may affect a lot of occasions in life. Whether you're a researcher at a conference, a student, Professor or speaker, non-verbal communication is a key element in a presentation. Shared by Professor Isabel Ribeiro watch here a resource on how to improve this skill when public speaking.

Opportunities

IBM Scientific Award

Since 1990 IBM Portugal offers a scientific award meant to distinguish young scientists with high merit work in the field of Computational Sciences. This year Softinsa is also associated, in order to include the industrial community. Any Portuguese citizen, less than 36 years old, may submit their work until September 15. More information here.

Rob 9-16 Summer Activities

An opportunity for younger "scientists" is born out of a project ran by Prof. Rodrigo Ventura and Prof. João Pedro Gomes. With Rob9-16 young students can spend their holiday's programming robots, creating and welding electric circuits, or printing in 3D. From 3 to 7 of September the second shift of summer activities is open for elementary school participants. Find more information about the program here

Job Opportunity in Estonia

A recruitment campaign is looking for IT specialists worldwide. Twelve different leading companies in the sector are offering spots in a career hunt that is flying candidates to Tallin to get to know not only the possible new employers, but the country. Besides visiting Estonia, candidates may participate in events such as Robotex. Applications are open until September 23. More here.

Press

News about Space CoBot

Exame Informática, a Portuguese magazine specialized in information about technology and internet related topics, came to ISR for a news report on Space CoBot. Prof. Rodrigo Ventura explained how the project aims to develop a space drone for personal assistance in space stations, that could also incorporate environmental sensors or communication systems. Read the news here or learn more about the project.

New MIT Portugal Program

The Prime Minister of Portugal recently launched a cooperation program with the Massachusetts Institute of Technology (MIT) which will boost investment in the fields of data science and machine learning in Portugal. Since 2006 the program between MIT and FCT allowed for over a thousand Portuguese students to collaborate with the American university. Learn more here.

Pedestrian Detection for Human Aware Navigation

Research featured in video

Researchers David Ribeiro, André Mateus, Pedro Miraldo and Jacinto Nascimento have been mentioned in a MATLAB® Community video, for their work in pedestrian detection technologies. MATLAB® community features

Events

MICCAI 2018 in Spain

The 21st International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI 2018) will be held from September 16th to 20th, in Granada, Spain. Prof. Rita Nunes of ISR will participate with a keynote on "Diffusion MRI outside the brain". Learn more about the conference here.

ISR at Ciência '18

Two months after the event, organized by FCT, Ciência Viva and the National Ministry of Science, which aimed to stimulate the debate on the integrated development of the 2030 objectives of the United Nations, it's safe to the Institute's participation was a success. The encounter was open to the public, who got to interact with ISR robots, including the President of Portugal. Watch the encounter here

Robotics in Health

In July, a workshop organised by Serviços Partilhados of the Ministry of Health served as a way of sharing Portuguese projects motivated by the will to provide better care for patients. ISR-Lisboa was represented by "Gasparzinho" as well as the robots and researchers of the AHA project. Learn more in this report by News Farma.