Carnegie Mellon Portugal

#22 | Sep. 2022

News from the Fence



Save the Date: "NEW FRONTIERS IN TECH" I 9-10 November, Lisbon
#CMUPT2022

The date for the **CMU Portugal Summit 2022, NEW FRONTIERS IN TECH**, is fast approaching. On November 9-10th, we will bring experts from Portuguese Universities, Carnegie Mellon University, and Companies to present ICT research progress in areas as diverse as Health, Forests, Security, Artificial Intelligence, Language Technologies, Machine learning, among others.

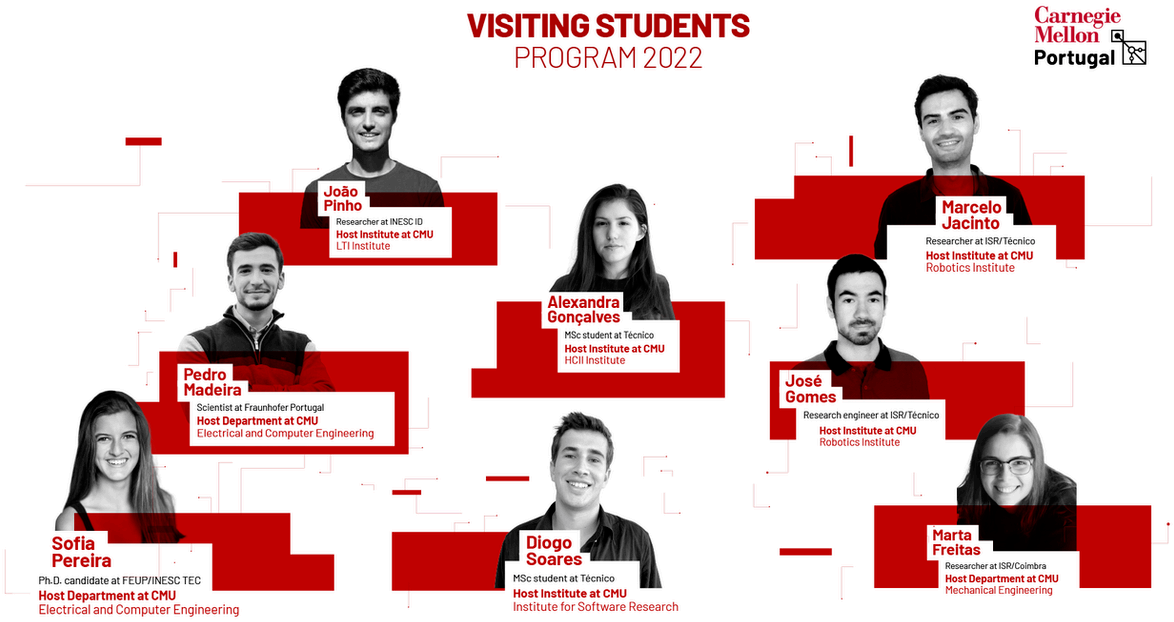
All students affiliated with CMU Portugal Ph.D. Programs, Visiting Students and Students within CMU Portugal research projects are invited to showcase their research at the Summit's poster sessions.

We count on your presence to join the discussion and explore the New Frontiers in Tech.

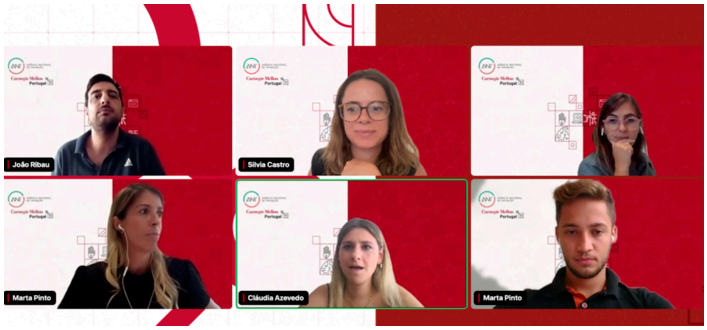
Registration

CMU Portugal selects eight students for a research period at CMU

A group of eight talented master's students and recent master's graduates from Portuguese Institutions has been selected to develop their research work in the Information and Communication Technologies (ICT) field at Carnegie Mellon University (CMU). The researchers will visit CMU between October and December 2022, financed under CMU Portugal's "Visiting Students Program", an initiative supported by CMU Portugal and Fundação para a Ciência e a Tecnologia (FCT).



Read More



ANI and CMU Portugal hosted a Session on Horizon Europe R&D Funding Opportunities

On September 23rd the Portuguese Agency for Innovation (ANI) in collaboration with the CMU Portugal Program, hosted the online Info session "Horizon Europe – Funding Opportunities for R&D and Innovation". The session counted with more than 100 participants, ranging from Academia to Industry interested in knowing more about the Horizon 2020 available initiatives.

Read More

CMU Portugal in the Media: New techniques to reduce e-waste under project WoW

E-waste is one of the fastest growing toxic waste in recent years. Rapid increase in the production of electronics and batteries is draining scarce metals and other mineral resources. Now, researchers from the University of Coimbra (UC) have developed and tested a novel architecture of materials and fabrication techniques that allow us to reverse



this reality and apply a new version of 3Rs policy (reduce, reuse and recycle) in the electronics area. The results were published in the journal Advanced Materials.

News in the media: SIC Notícias, Observador, Público, Eco Sapo, Notícias ao Minuto, Diário Online (Região Sul), Sapo Tek

Read More



CMU Portugal Inside Story: John Mendonça

John Mendonça was one of the twelve Ph.D. candidates selected under the first edition of the Affiliated Ph.D. Programs. The Portuguese student received his MSc in Electrical and Computer Engineering from Técnico in 2020. During his master's he worked with DefinedCrowd, developing methods to detect crowdsourcing fraud. Under his Ph.D. in Language Technologies at Técnico, he is working in the MAIA research project at INESC-ID promoted by the ICT Company Unbabel.

Read More

New European Bauhaus (NEB): Portugal leads one of the six lighthouse projects

Bauhaus of the Sea Sails is one of the projects selected under the call for the development of 'lighthouse demonstrators' of the New European Bauhaus (NEB).

The project, that counts on CMU Portugal's institutional support, was awarded approximately €5 million by the European Commission. Scientists, Artists, Architects and Local Communities will work together to pursue the broad Vision of the New Bauhaus of the Seas, an initiative led by CMU Portugal National Codirector Nuno Nunes.

In the Media: Público, Diário de Notícias da Madeira



Read More



CMU Portugal startup Veniam acquired by Nexar

Last August, the Israeli Tech company Nexar, which is currently the largest collector of vision data from vehicles in the US, announced the acquisition of Veniam, a Portugal-based company created under the scope of the CMU Portugal Program by pioneering technology researchers João Barros, former CMU Portugal National Director and Susana Sargento, CMU Portugal Scientific director. Over the last decade, the startup became a leading provider of intelligent networking for the internet of moving things led by João Barros as CEO, who will now assume the role of Nexar's chief platform officer.

Read More

CMU Portugal Publications

Papers and Conference papers

- Campos J. R., Costa E., & Vieira M. (2022). Online Failure Prediction for Complex Systems: Methodology and Case Studies. IEEE Transactions on Dependable and Secure Computing, 01, 1–15.
- Casimiro M., Romano P., Garlan D., Moreno G. A., Kang E., & Klein M. (2022). Self-adaptive Machine Learning Systems: Research Challenges and Opportunities. 133–155.
- Cóias A. R., Lee M. H., & Bernardino A. (2022). A low-cost virtual coach for 2D video-based compensation assessment of upper extremity rehabilitation exercises. Journal of NeuroEngineering and Rehabilitation 2022 19:1, 19(1), 1–16.
- Gaudio A., Coimbra M., Campilho A., Smailagic A., Schmidt S. E., & Renna F. (n.d.). Explainable Deep Learning for Non-Invasive Detection of Pulmonary Artery Hypertension from Heart Sounds.
- Viegas C., Quandt L.C., Alikhani M. (2022). Look For Adjectives In the Face: How Facial Expressions Contribute To Meaning In Signed Languages. (n.d.). Retrieved September 29, 2022.
- Pinheiro N., Freitas S. M., & Cardoso J. (2022). Classification of Cervical Cancer Risk using Deep Learning.
- Reis Carneiro M., Majidi C., Tavakoli M.(2022). Multi-Electrode Printed Bioelectronic Patches for Long-Term Electrophysiological Monitoring. Advanced Functional Materials
- Rio-Torto I., Patrício C., Montenegro H., & Gonçalves T. (n.d.). Detecting Concepts and Generating Captions from Medical Images: Contributions of the VCMI Team to Image. CLEF medical 2022 Caption under Creative Commons License Attribution 4.0 International (CC BY 4.0). Retrieved August 23, 2022.
- Sobrinho J. L., & Ferreira M. A. (2022). From Non-Optimal Routing Protocols to Routing on Multiple Optimality Criteria. IEEE/ACM Transactions on Networking, 01, 1–14.
- Tavakoli M., Lopes P. A., Hajalilou A., Silva A. F., Reis Carneiro M., Carvalheiro J., Pereira J. M., de Almeida A. T. (2022). 3R Electronics: Scalable Fabrication of Resilient, Repairable, and Recyclable Soft-Matter Electronics. Advanced Materials, 34(31).
- Yoon Y., Kucherenko T., Viegas C., Nikolov T., Tsakov M., & Henter G. E. (2022). The GENEA Challenge 2022: A large evaluation of data-driven co-speech gesture generation.
- Zu W., Ohm Y., Carneiro M. R., Vinciguerra M., Tavakoli M., & Majidi C. (2022). A Comparative Study of Silver Microflakes in Digitally Printable Liquid Metal Embedded Elastomer Inks for Stretchable Electronics. Advanced Materials Technologies.

Upcoming events



- Webinar #5 – AIDA Webinar Series I Improving 5G Management I 30 September I Online
- European Researchers Night "Noite Europeia dos Investigadores" I 30 September I Multiple locations and online
- FIC.A - International Science Festival I October 10-16 I Oeiras
- Technological Innovation Award "Engenheiro Jaime Filipe" I Deadline October 18 I online
- CMU Portugal Summit 2022 - Posters Submission I Deadline: October 26 I Online
- CMU Portugal Conference 2022 I November 9 and 10 I Factory Lisbon (Hub do Beato)

Stay in touch! Share your news with the CMU Portugal community and let us know what is happening by sending an e-mail to info@cmuportugal.org.

#CMUPortugal

Join the conversation

cmuportugal.org

Share this email:



Manage your preferences | **Opt out** using **TrueRemove®**

Got this as a forward? **Sign up** to receive our future emails.

View this email **online**.

Rua Alves Redol number 9
Lisboa, | 1000-029 PT

This email was sent to .
To continue receiving our emails, add us to your address book.

emma

[Subscribe](#) to our email list.