Carnegie Mellon Portugal

#21 | July 2022

News from the Fence



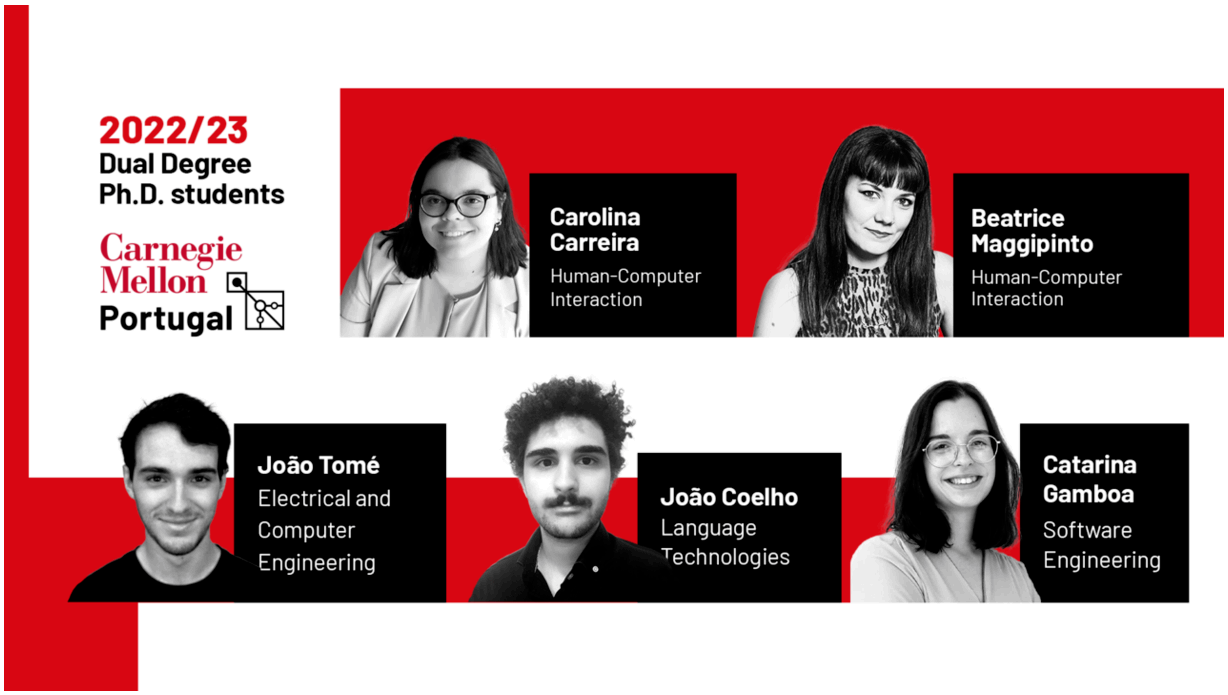
CMU Portugal Symposium 2022

To foster a supportive community for all researchers pursuing their Ph.D. under the scope of its initiatives, the **CMU Portugal Program will organize its second Doctoral Symposium at Carnegie Mellon University on October 18 and 19, 2022.** The initiative is addressed to all CMU Portugal Dual Degree and Affiliated Ph.D. students, Ph.D. candidates conducting their doctoral thesis under CMU Portugal Research Projects (Exploratory Research Projects and Large-Scale Collaborative Research Projects) and recent graduates that may have discussed their thesis in 2021 and 2022. Students and Alumni are invited to **submit an online abstract (online form) until July 31st** and present it in person at CMU or remotely from Portugal to colleagues and the CMU Portugal community at large.

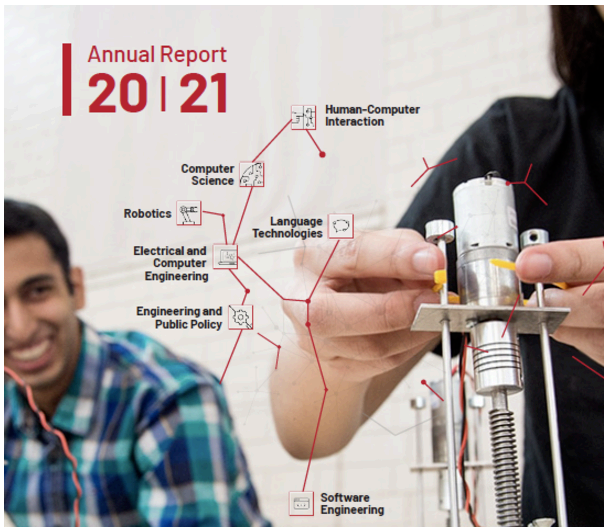
Read More

Five new Dual Degree Ph.D. Students will join CMU Portugal in 2022

The CMU Portugal Program **welcomes five new Dual Degree Ph.D. candidates for the academic year 2022/2023.** Funded by Fundação para a Ciência e a Tecnologia (FCT), the new Ph.D. candidates will start their journey in September 2022, for the next five years (full-time), with up to 2 years at CMU and up to 3 years at a Portuguese University. All candidates were selected after a rigorous selection process by a committee of faculty members from Portuguese Universities and Carnegie Mellon University, with an overall acceptance rate of 5%.



Read More



CMU Portugal Annual Report 2020-21

The **2020-21 Annual Report** is available on CMU Portugal's website with all the information about the Program's strategic goals, mechanisms to achieve it, and main outputs in its 4 strategic pillars: Talent Development, Knowledge Creation, Innovation and Entrepreneurship and Communication and Outreach.

A special acknowledgment to all the researchers, faculty, students, alumni, industrial partners, and affiliates who have contributed for 2 years full of successful initiatives, learning experiences, and great camaraderie.

Read More

New ERP Call planned for Fall 2022

The CMU Portugal Program supports regularly 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) in Information and Communication Technologies (ICT). After the 2021 Call, a new one is expected to be



launched in 2022. For further information you can visit our website to learn more about our previous ERP Calls.

Read More



CMU Portugal headquarters at the new "Hub Criativo do Beato"

CMU Portugal will be expanding its Lisbon offices to the "Hub Criativo do Beato"(HCB). In September, the Program will be part of the project launched by Câmara Municipal de Lisboa (CML) to build a new "Unicorn Factory" in Lisbon, creating an innovation center of excellence for creative and technological companies.

Read More

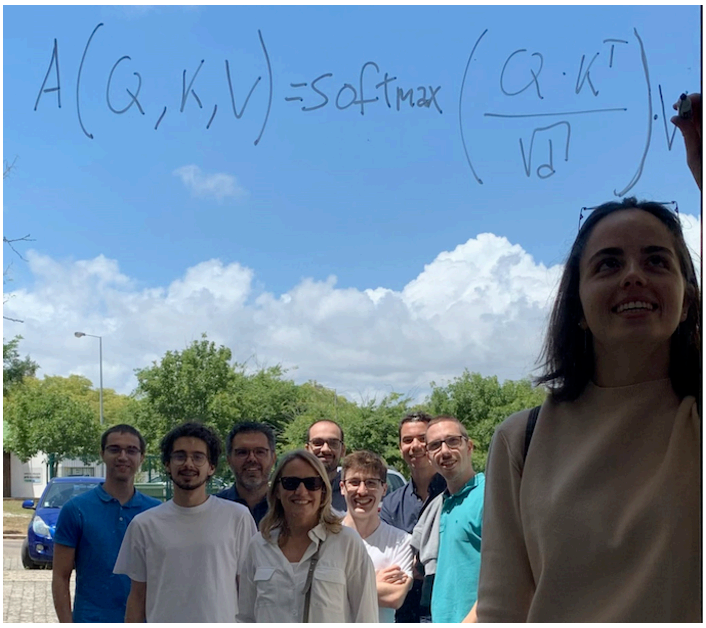
Nuno Sabino leads Team Europe to victory in the International Cybersecurity Challenge

Team Europe was the winner of the 1st International Cybersecurity Challenge (ICC 2022) concluded on Friday, June 17, in Athens, Greece. After two days of competition, the European team, which included CMU Portugal Dual Degree Ph.D. student Nuno Sabino as captain and his Supervisor, Pedro Adão, as one of the team trainers, took the trophy home.





Read More



Alexa TaskBot Challenge: Portuguese team stands out in 2nd place

A Portuguese team won the second prize at the 2022 Alexa Prize TaskBot Challenge promoted by Amazon US. The ten university teams in competition had to develop bots to assist customers in diverse tasks. The awarded team was led by CMU Portugal Faculty member, João Magalhães, professor at the Department of Informatics at FCT NOVA and researcher at NOVA LINCS, and counted, among others, with the participation of 3 CMU Portugal Ph.D. students: Diogo Tavares, Diogo Silva and Gustavo Gonçalves.

Read More



CMU Portugal Inside Story: Margarida Ferreira

Margarida Ferreira is a 1st year Dual Degree Ph.D. student in Computer Science at Técnico and the Computer Science Department at CMU. Under her Ph.D. she expects to further develop her research in program synthesis and find new ways to help people quickly and safely use a computer to automate daily tasks. Currently in Pittsburgh, she shared her experience in the Program thus far and what she is looking forward to take the most of her time at CMU.

Read More

CMU Portugal Alumnus wins the “Best Student Paper” Award at IAMOT 2022

CMU Portugal alumnus Jihoon Shin won the “Best Student Paper” Award at the International Association for Management of Technology (IAMOT 2022). Jihoon is CMU Portugal’s most recent Dual Degree Ph.D. Alumni (April 2022) in Engineering and Public Policy by FEUP and CMU Department of Engineering and Public Policy. The winning paper was distinguished for its theoretical and empirical contributions in technology management.



Read More

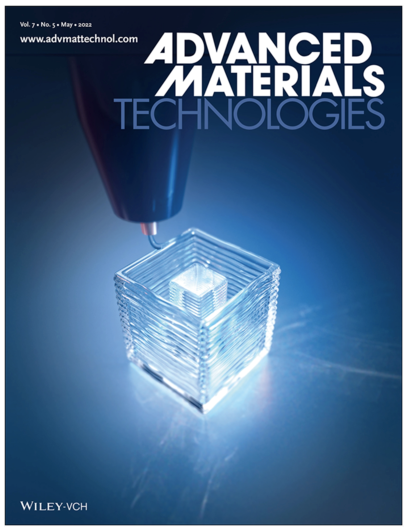


Seminars on "AI in Healthcare" under IntelligentCare project

From now and until March 2023, Hospital da Luz Learning Health is hosting a series of Seminars on Artificial Intelligence (A.I.) in Healthcare. Throughout this series of seminars, held under the scope of CMU Portugal Large Scale project IntelligentCare, invited speakers will share their contributions and ideas on Advanced Analytics in Healthcare. Registrations (online and onsite) and full program are now available.

Read More

CMU Portugal In the Media:



Results from WoW project lead the way for a new generation of electronic devices

A team of researchers at the Universidade of Coimbra (UC) have developed a **highly promising material for a new generation of electronic devices under the CMU Portugal project WoW**.

The research work presents a promising material that can be used in flexible displays, flexible solar panels, and even wearable biosensors among others. Led by Mahmoud Tavakoli, the Institute of Systems and Robotics team from UC, recently published their findings and featured graciously on the Advanced Materials Technologies journal cover page.

News in the media: RTP, Visão, Porto Canal, Notícias de Coimbra, Sapo, Greensavers, Planeta Algarve, Ambiente Magazine.

Read More



AGENTS project highlighted in Público Newspaper

CMU Portugal project AGENTS – Automatic generation of humor for social robots – was featured in Público Newspaper. The two-page printed article is focused on the study carried out between May and June at ISCTE, involving around 60 people and two robots, to evaluate how can they perceive and express humor.

Full article at Público or download pdf.

Read More



Inês Lynce in Exame Informática Podcast "Gato de Schrödinger"

CMU Portugal National Co-Director Inês Lynce was part of "Gato de Schrödinger" (Schrödinger's cat) podcast by Exame Informática magazine. In a discussion on "Artificial Intelligence – threat or opportunity," the INESC ID President and professor at Técnico was one of the two invited speakers, along with João Castro from Nova SBE.

Read More

TAMI Project featured in "90 Segundos de Ciência"

João Pedrosa, researcher at INESC TEC and Professor at FEUP, was interviewed by the "90 Segundos de Ciência" Podcast on Antena 1 about CMU Portugal's Large Scale project TAMI. The project's main mission is to develop Artificial Intelligence algorithms to support a medical diagnosis.



Read More

Research project by Isabel Trancoso featured in "90 Segundos de Ciência"

Isabel Trancoso, CMU Portugal Faculty member at Instituto Superior Técnico/INESC ID, was interviewed by "90 Segundos de Ciência" about CMU Portugal's Exploratory Research Project "Privacy in speaker diarization" (Privadia). The project's main mission is to develop a speech recognition system that ensures the privacy of the speaker's data.



Read More

CMU Portugal Publications

Papers and Conference papers

- Pedrosa, J., Sousa, P., Silva, J., Mendonça, A. M., & Campilho, A. (2022). Lesion-Based Chest Radiography Image Retrieval for Explainability in Pathology Detection. Lecture Notes in Computer Science, 13256 LNCS, 81–94.
- Fonseca A.; Oliveira M. "Figra: Evaluating a larger search space for Cardumen in Automatic Program Repair" | IEEE Conference Publication | IEEE Xplore. (n.d.). Retrieved July 11, 2022.
- Carvalho, S., Lorena, A., Silva, C., Semeano, R., & Ferrão, P. (n.d.). Technical and Environmental Performance of Material Recovery Facility for Separately Collected Packaging Waste.
- Silva, W., Härmä, K., Schröder, E., Obmann, V. C., Barroso, M. C., Poellinger, A., Reyes, M., Cardoso, J. S., Gonç Alves, T., Armäarm¨armä, K. H. ¨, & Schröder, S. (2022). Computer-aided Diagnosis through Medical Image Retrieval in Radiology.
- Carreira, C. (2022). Studying Users' Willingness to Use a Formally Verified Password Manager. Lecture Notes in Computer Science, 13274 LNCS, 343–346.
- Fonseca, A., & Espada, G. (2022). Type Systems in Resource-Aware Programming: Opportunities and Challenges.
- Famá, F., Faria, J. N., & Portugal, D. (2022). An IoT-based interoperable architecture for wireless biomonitoring of patients with sensor patches. Internet of Things, 19, 100547.
- Abraray, A., Pereira, R., Kaboutari, K., & Maslovski, S. (2022). Chessboard Mushroom-Type Metasurface for Beamforming Applications.

Upcoming events

- 2022 Lisbon Machine Learning Summer School (LxMLS 2022) I July 24-29, 2022 I Técnico, Lisboa
- Applications to the 2022 L'Oréal Portugal Honor Medals for Women in Science I Deadline: September 16 I Online applications
- Webinar #5 – AIDA Webinar Series I Improving 5G Management I 30 September I Online
- 5th Seminar on "AI in Healthcare" under IntelligentCare project | September 22 | 5 pm (Lisbon)
- FLAD research internships in the USA for master's students, doctoral students, and junior researchers I Applications Deadline: Oct. 31
- CMU portugal Symposium 2022 I October 18 and 19 I CMU, Pittsburgh and online
- CMU Portugal Annual Conference I November 9-10 I Lisbon

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

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.