Carnegie Mellon Portugal

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News from the Fence

CMU Portugal Alum wins a 2M€ ERC Consolidator Grant

André Martins, CMU Portugal alum in Language Technologies, a researcher at Instituto de Telecomunicações (IT) and Instituto Superior Técnico, has been **awarded with a 2M€ European Research Council Consolidator Grant (ERC CoG)** to study artificial neural networks applied to natural language processing (NLP). The ERC funding will be applied to the **DECOLLAGE project** (DEep COgnition Learning for LAnguage GEneration), focused on finding solutions to some of the fundamental problems of NLP.

FCT news article
Main news in the Media: Público, RTP online, 24 Sapo Online

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CMU Portugal Researcher wins a 2.8M€ ERC Grant Consolidator

Mahmoud Tavakoli, director of the "Soft and Printed Microelectronics Laboratory" at the Institute of Systems and Robotics (ISR) of the Faculty of Science and Technology of Universidade de Coimbra (FCTUC), has just **won a prestigious European Research Council Consolidator grant (ERC) of 2.8M€** for five years.

The research will focus on studying futuristic electronic circuits, a topic Mahmoud has been working on for several years under the scope

of projects funded through Carnegie Mellon Portugal (CMU Portugal).

Main news in the Media: Público, RTP online, Sapo Tek, Exame Informática, Jornal Económico, PC Guia, Porto Canal, Notícias de Coimbra

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Research led by CMU Portugal Ph.D. Student introduces innovative AI solution to classify epileptic seizures

A team of researchers at INESC TEC and University of Munich, including **CMU Portugal Ph.D. student Tamás Karácsony,** tested an innovative solution to classify seizures, the main symptom of epilepsy, using infrared radar and 3D videos.

Nature Scientific Reports recently published the results of this work, coordinated by Tamás Karácsony's supervisor and CMU Portugal Scientific Director, João Paulo Cunha, researcher at INESC TEC and Professor at FEUP.

Main News in the Media: Observador, TSF, Jornal de Notícias, SIC Notícias Online, CM TV online, Correio da Manhã online, Notícias ao Minuto, Healththoroughfare, Medicalxpress, Mirage News

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In the Media: CMU Portugal Project IntelligentCare highlighted in Público

The **CMU Portugal Large Scale Collaborative project IntelligentCare** (Intelligent Multimorbidity Management System) was featured in Público Newspaper. The article introduced the project's research work which is focused on improving the quality of life of patients with multimorbidity (MM) while finding solutions to contribute to the sustainability of

the Healthcare System. It counts with statements by Francisca Leite (Hospital da Luz Learning Health) and by researchers José Santos-Victor and Plínio Moreno (ISR-Lisboa, Instituto Superior Técnico).

News article in Público

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"Girls in AI" project shares testimonies of CMU Portugal female Ph.D. students

The "Girls in AI project" is an initiative by Instituto Superior Técnico led by Professor Isabel Trancoso (Técnico/INESC ID and CMU Portugal faculty member & researcher). The project aims to share short testimonial videos of former and current Técnico students who followed a career in Artificial Intelligence (AI), showing the endless career opportunities in this area and inspiring more girls to follow them.

A group of three CMU Portugal Dual Degree Ph.D. students at Técnico, Maria Casimiro, Margarida Ferreira and Carolina Carreira, shared ther testimony to inspire other female candidates to pursue the Artificial Intelligence area, and who knows, pursue a CMU Portugal Ph.D. Program!

Watch the videos

CMU Portugal Inside Story: Neeta Khanuja

Neeta Khanuja is a second-year CMU Portugal Dual Degree Ph.D. student in Human-Computer Interaction (HCI) at Instituto Superior Técnico (Técnico) and at the Human-Computer Interaction institute from Carnegie Mellon School of Computer Science. Currently in Pittsburgh, Neeta shared her experience at CMU thus far including the most significant differences between Portugal and Pittsburgh and what she is looking forward to the

most while at CMU.

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Upcoming events

International Day of Women and Girls in Science: Inês Lynce at Pavilhão do Conhecimento

On February 11th, to celebrate the International Day of Women and Girls in Science (IDWGIS), CMU Portugal National Co-Director and President at INESC ID, Inês Lynce, will be part of Ciência Viva celebrations as one of the invited speakers of the Roundtable "Pergunta-me o que é ser cientista" (Ask me what it means to be a scientist).
Full Agenda

Other upcoming events

- Call for CMU Portugal Affiliated Ph.D. Scholarships I to be open in February (day TBC)
- Call for CMU Portugal Mobility Programs 2023 - Visiting Students and Visiting Faculty and Researchers I to be open in February (day TBC)
- NATO Science for Peace and Security (SPS) Programme (Call for Proposals 2023-1) I February 17 I Online
- Call for Papers: Prémio "Impacto da Ciência na Economia e na Sociedade em Portugal: Investimento, emprego científico e valorização do conhecimento" I February 23 Online
- Prize: Impact of Science on Economy and Society in Portugal by FCT and Gabinete de Estratégia e Estudos (GEE) I February 28

CMU Portugal Publications

Papers

- Albuquerque, T., Rosado, L., Cruz, R., Vasconcelos, M. J. M., Oliveira, T., & Cardoso, J. S. (2023). Rethinking low-cost microscopy workflow: Image enhancement using deep based Extended Depth of Field methods. Intelligent Systems with Applications, 17, 200170.
- Castro, E., Costa Pereira, J., & Cardoso, J. S. (2023). Symmetry-based regularization in deep breast cancer screening. Medical Image Analysis, 83, 102690.
- Castro, E., Ferreira, P. M., Rebelo, A., Rio-Torto, I., Capozzi, L., Ferreira, M. F., Gonçalves, T., Albuquerque, T., Silva, W., Afonso, C., Gamelas Sousa, R., Cimarelli, C., Daoudi, N., Moreira, G., Yang, H. yu, Hrga, I., Ahmad, J., Keswani, M., & Beco, S. (2023). Fill in the blank for fashion complementary outfit product Retrieval: VISUM summer school competition. Machine Vision and Applications, 34(1), 1–15.
- Cazzolato M. T., Vijayakumar S., Zheng X., Park N., Lee M., Fidalgo P., Lages B., Traina A., Faloutsos C. TgraphSpot: Fast and Effective Anomaly Detection for Time-Evolving Graphs | IEEE Conference Publication | IEEE Xplore. (n.d.).
- Costa, C., & Baptista, R. (2023). Knowledge inheritance and performance of spinouts. Eurasian Business Review, 1–27.
- Dunne, S., Ferreira, J. F., Mendes, A., Ritchie, C., Stoddart, B., & Zeyda, F. (2023). bGSL: An imperative language for specification and refinement of backtracking programs. Journal of Logical and Algebraic Methods in Programming, 130, 100811.
- Marques, J., & Moreno, P. (2023). Online Fall Detection Using Wrist Devices. Sensors 2023, Vol. 23, Page 1146, 23(3), 1146.
- Montenegro, H., Silva, W., & Cardoso, J. S. (2023). Disentangled Representation Learning for Privacy-Preserving Case-Based Explanations. 33–45
- Silva, W., Gonçalves, T., Härmä, K., Schröder, E., Obmann, V. C., Barroso, M. C., Poellinger, A., Reyes, M., & Cardoso, J. S. (2023). Author Correction: Computer-aided diagnosis through medical image retrieval in radiology. Scientific Reports 2023 13:1, 13(1), 1–1.
- Silva, J. Q., Melo, D., Rodrigues, I. P., Seco, J. C., Ferreira, C., & Parreira, J. (2023). An Ontology-Based Task-Oriented Dialogue to Create OutSystems Applications. SN Computer Science, 4(1), 1–17.
- Silva, P. R., Vinagre, J., & Gama, J. (2023). Towards federated learning: An overview of methods and applications. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, e1486.
- Sun, J., Fernandes, P., Wang, X., & Neubig, G. A Multi-dimensional Evaluation of Tokenizer-free Multilingual Pretrained Models. Retrieved February 6, 2023.

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