**Bruno Emanuel da Graça Martins**

Department of Electrical and Computer Engineering Tel: (351) 934810158

Instituto Superior Técnico / University of Lisbon (IST/UL) **Email**: bruno.g.martins@tecnico.ulisboa.pt

INESC-ID **URL**: <http://web.ist.utl.pt/bruno.g.martins/>

Rua Alves Redol, 9 (Office 236) **ORCID:** 0000-0002-3856-2936

1000-029 Lisbon, Portugal

**A. Professional Preparation**

University of Lisbon Computer Science and Engineering M.Sc., 2004

University of Lisbon Computer Science and Engineering Ph.D., 2005-2009

**B. Appointments**

* Associate Professor in the Department of Electrical and Computer Engineering at IST, 2021 – present.
* Assistant Professor in the Department of Computer Science and Engineering at IST, 2009 – 2021.
* Researcher at INESC-ID, a laboratory associated to IST, 2008 – present.

**C. Research Outputs**

An updated list of publications is available at [www.informatik.uni-trier.de/~ley/pers/hd/m/Martins:Bruno](http://www.informatik.uni-trier.de/~ley/pers/hd/m/Martins:Bruno).

According to his Google Scholar profile, Bruno’s current **h-index is 36** and the **i10-index is 105**.

# Recent Significant Publications

1. Rita Ramos, Bruno Martins, Desmond Elliott, and Yova Kementchedjhieva, ***SmallCap: Lightweight Image Captioning Prompted with Retrieval Augmentation***, Proceedings of the IEEE/CVF Computer Vision and Pattern Recognition Conference, 2023
2. Marina Georgati, João Monteiro, Bruno Martins, Henning Sten Hansen, and Carsten Keßler, ***Modelling Population Distribution: A Visual and Quantitative Analysis of Gradient Boosting and Deep Learning Models for Multi-Output Spatial Disaggregation***, Transactions in GIS, vol. 28, no. 2, 2024

**D. Synergistic Activities**

**Interdisciplinary Research and Community Activities**

* Principal investigator in four research projects, nationally funded by FCT, concerning the processing of multi-modal and/or geospatial information from non-structured sources in a variety of applications.
* National coordinator of the European project MOOD (H2020-SC1-BHC-2018-2020 874850), which concerned monitoring outbreak events for disease surveillance in a data science context, contributing with expertise in text mining and geospatial analysis methods.
* Participating researcher in several other national and international research projects, as well as several consulting and technology transfer projects.
* Co-organizer of the ACM SIGSPATIAL Workshop on GeoAI (5 editions), regularly co-located with the ACM SIGSPATIAL conference, and member of the local organization committees for EMNLP’15, EAMT’20, ECIR’20, and EPIA’22.
* Member of the organization committee for the Lisbon Machine Learning Summer School (LxMLS).

**Graduate Student Supervision**

**Previous Ph.D Students:** Tiago Gonçalves (FCUL/UL and LASIGE, together with Ana P. Afonso), João Monteiro (Thales, IST/INESC-ID, together with João M. Pires), and Rita Ramos (IST/INESC-ID, together with Desmond Elliott).

**Current Ph.D. Advisees:**, Luís Borges (IST/INESC-ID and CMU-PT, with Jamie Callan), Isabel Coutinho (IST/INESC-ID), João Coelho (IST/INESC-ID and CMU-PT, with Chenyan Xiong and João Magalhães), João Silva (IST/INESC-ID, with Devis Tuia and João Magalhães), Artur Guimarães (IST/INESC-ID, with João Magalhães), Gonçalo Gomes (IST/INESC-ID, with Chrysoula Zerva), Helder Dias (IST/INESC-ID, with Arlindo Oliveira), Piotr Gramacki (Wrocław Tech, with Piotr Szymański), Francisco Guedes (IST/INESC-ID and CMU-PT, with Arlindo Oliveira and Leila Wehbe), and Afonso Certo (IST/ISR, with Pedro U. Lima).