

Research Activities

Faculty of Engineering of Porto University
Department of Informatics Engineering
João Correia Lopes

I've worked in [INESC Porto](#), [DCS Glasgow](#) and [FEUP](#).

[Search Results for Projects \[FEUP\]](#)

Projects

- [MELOA](#) — Multi-purpose/Multi-sensor Extra Light Oceanography Apparatus (H2020-SC5-2016-2017-RIA, 776825, December 2017—March 2021)
- [e-WindLidar](#) — Making lidar data FAIR, (IRPWIND WP3 — Lidar Data Modelling and Architecting Web Platform, Grant agreement nº 609795, July 2017—January 2018)
- [windscanner.pt](#) — Infraestrutura Nacional WindScanner (NORTE-01-0145-FEDER-022207 (PINFRA/22207/2016), 2017—2020)
- [RECAP preterm](#) — REsearch on Children and Adults born Preterm (H2020-SC1-2016-RTD, 733280, 2017—2021)
- [TAIL](#) — Research data management from creation to deposit and sharing (PTDC/EEI-ESS/1672/2014, POCI-01-0145-FEDER-016736, 30-05-2016—30-05-2019)
- [iCare4Depression](#) — I Care for Depression: Blending face-to-face psychotherapy with internet and mobile digital solutions (PTDC/MHC-PCL/1991/2014, POCI-01-0145-FEDER-016840, 01-06-2016—31-05-2019)
- [NEWA](#) — New European Wind Atlas Joint Programme (ERA-NET Plus, topic FP7-ENERGY.2013.10.1.2, NEWA/0001/2014, 01-03-2015—28-02-201928-02-2020)
- [E-COMPARED](#) — European-COMPARative Effectiveness research on online Depression (FP7-HEALTH.2013-INNOVATION-1, 603098, 2014—2016)
- [WindScanner.eu](#) — The European WindScanner Facility (FP7-INFRASTRUCTURES, 312372, 2012—2015)
- [TICE.Mobilidade](#) — Sistema de mobilidade centrado no utilizador (SI IDT—13843/2011, 2011—2014)
- [EcoPlanner](#) — Plataforma de gestão ecoeficiente (SI IDT—13085/2011, 2011—2013)
- [MOBILES](#) — MOBILidade Eléctrica Sustentada (SI IDT—5730/2009, 2009—2011)
- [ICT4Depression](#) — User-friendly ICT Tools to Enhance Self-Management and Effective Treatment of Depression in the EU (FP7—248778, 2010—2012)
- [ROBOTVIGIL](#) — Robot Vigilante (SI IDT—7905/2010, 2010—2011)
- [ILP-Web-Service](#) — Um serviço web baseado num sistema de indução de programas de lógica (PTDC/EIA/70841/2006, 2008—2010)
- [DBPreserve](#) — Data Warehouses for the Long-term Preservation of Institutional Electronic Records and Databases (PTDC/CCI/73166/2006, 2007—2009)
- [MEDSI](#) — Management Decision Support for Critical Infrastructures (IST—506991, 2005—2006)

INESC Porto

Since 19th June 1985, I'm doing research at [Instituto de Engenharia de Sistemas e Computadores](#) (INESC Porto) in Information Systems, Databases and Software Engineering. At the moment I'm a researcher of [Information and Computer Graphic Systems](#) (USIG).

Computing Science Department, University of Glasgow

From October 1991 to January 1995, I was doing research in Persistent Programming, in the FIDE project, [University of Glasgow](#), [Department of Computing Science](#), working in my PhD in the [Persistence and Distribution Group](#).

PhD Thesis

My PhD degree in Computing Science was awarded in June 1997 by University of Glasgow.

Title: An Architecture for the compilation of Persistent Polymorphic Reflective Higher-order Languages

Supervisor: [Malcolm Atkinson](#)

Thesis: My thesis is that an intermediate representation designed to enable high level optimisations and easy code generation can effectively support persistent reflective higher-order polymorphic languages in the context of Scalable Persistent Foundations, namely that it supports longevity, safety and persistence. This was demonstrated by presenting an initial design of such a compilation system and identifying and validating its crucial features by prototyping.

You may have a look at the [Abstract](#), or [Bibliography](#) (41kB, _ps.gz).

— *J. Correia Lopes*

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