

Diogo Aguiam

RF Signal Engineer, Junior Researcher

@ diogo.aguiam@tecnico.ulisboa.pt
+351 916126735
Lisbon, Portugal



EXPERIENCE

Invited Researcher, PhD Student

Max-Planck-Institut für Plasmaphysik

November 2015 – Ongoing Munich, Germany

- Installation and commissioning of microwave reflectometry diagnostics hardware
- Development of density profile reconstruction codes on distributed computing cluster

Junior Researcher Fellow, PhD Student

Instituto de Plasmas e Fusão Nuclear

February 2013 – Ongoing Lisbon, Portugal

- Assembly of microwave reflectometry systems
-

Junior Research Fellow

Department of Physics, Instituto Superior Técnico

February 2012 – July 2012 Oeiras, Portugal

- Development of LabVIEW interfaces for physics laboratories

Ciência Viva Monitor

INESC-ID Lisboa

June 2011 Oeiras, Portugal

- Teach electronics and PCB fabrication to high school students

PROJECTS

Project 1

Funding agency/institution



- Details

Project 2

Funding agency/institution

Project duration

A short abstract would also work.

A DAY OF MY LIFE

MY LIFE PHILOSOPHY

“Something smart or heartfelt,
preferably in one sentence.”

MOST PROUD OF

Fantastic Achievement
and some details about it

Another achievement
more details about it of course

Another achievement
more details about it of course

STRENGTHS

Hard-working Eye for detail

Motivator & Leader

C++ Embedded Systems

Statistical Analysis

LANGUAGES

English ●●●●●

Spanish ●●●●●

German ●●●●●

EDUCATION

Ph.D. in Your Discipline

Your University

Sept 2002 – June 2006

Thesis title: Wonderful Research

M.Sc. in Your Discipline

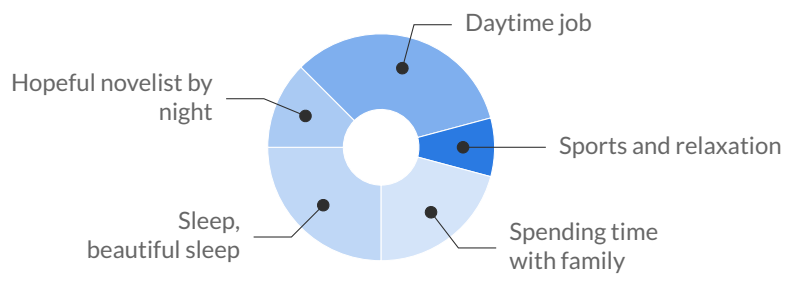
Your University

Sept 2001 – June 2002

B.Sc. in Your Discipline

Stanford University

Sept 1998 – June 2001



PUBLICATIONS

Journal Articles

- Aguiam, D.E. et al. (2017). "X-mode raw data analysis of the new AUG ICRF antenna edge density profile reflectometer". In: *Fusion Engineering and Design* 87.11, pp. 7–10. ISSN: 09203796. DOI: 10.1016/j.fusengdes.2017.04.019. URL: <http://linkinghub.elsevier.com/retrieve/pii/S0920379617304222>.
- Aguiam, D E et al. (2016). "Implementation of the new multichannel X-mode edge density profile reflectometer for the ICRF antenna on ASDEX Upgrade". In: *Review of Scientific Instruments* 87.11, 11E722. ISSN: 0034-6748. DOI: 10.1063/1.4961558. URL: <http://aip.scitation.org/doi/10.1063/1.4961558>.
- Aguiam, Diogo E., Luis S. Rosado, Pedro M. Ramos, and Moisés Piedade (2015). "Heterodyning based portable instrument for eddy currents non-destructive testing". In: *Measurement* 73, pp. 146–157. ISSN: 02632241. DOI: 10.1016/j.measurement.2015.05.019. URL: <http://www.sciencedirect.com/science/article/pii/S026322411500278X>.
- Aguiam, Diogo E., Luis S. Rosado, Pedro M. Ramos, and Moises Piedade (2014). "Portable instrument for eddy currents Non-Destructive Testing based on heterodyning techniques". In: *2014 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) Proceedings*, pp. 1368–1372. DOI: 10.1109/I2MTC.2014.6860970. URL: <http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=6860970>.

Conference Proceedings

- Aguiam, D et al. (2015). "Multichannel reflectometer for measuring plasma electron density profiles in front of the ICRH antenna on ASDEX Upgrade". In: *Fusenet PhD Event*.

REFEREES

Prof. Alpha Beta

@ Institute

✉ a.beta@university.edu

Address Line 1

Address line 2

Prof. Gamma Delta

@ Institute

✉ g.delta@university.edu

Address Line 1

Address line 2