

# Faculty Exchange Program

## Introduction

Between 2007 and 2009, six faculty members of the University of Coimbra went to Carnegie Mellon, where they were formally trained and certified on courses in the context of the Professional Master's Program in Software Engineering. In order to receive the certification, they had to attend graduate courses, teach graduate courses, prepare new course materials, grade assignments, and mentor student projects. The activities also included participating in weekly research meetings, monthly faculty meetings and, in general, act as full- members of the CMU faculty staff.

The Faculty Exchange Program was formally implemented in fall 2009. When faculty participate in the Exchange Program at Carnegie Mellon, they are exposed to the same environment and working conditions as their colleagues at Carnegie Mellon University. The faculty member receives a formal appointment as a visiting faculty member, is hosted by a research group, joins the teaching team of a course (undergraduate or graduate level) in a specific area of interest, and is invited to participate in various activities. The goal is to accelerate the adoption of best practices through cultural immersion, giving the opportunity to adopt, adapt, propagate, and consolidate.

This unique opportunity is offered by the Carnegie Mellon Portugal Program to promote a positive exchange of culture and faculty experiences. A wide number of Portuguese higher education institutions have invested throughout the years in this instrument, a fact that provides evidence of its value and its potential to have a widespread impact in Portugal (Figure 1).

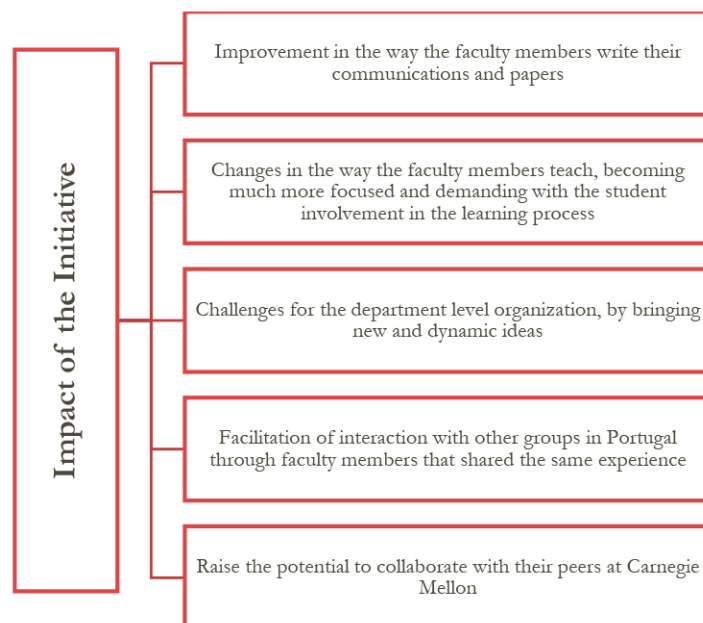


Figure 1 - Dimensions of the impact of the Faculty Exchange Program on Portuguese higher education institutions

## **Admission Process**

Only Portuguese citizens or foreign citizens with permanent residence in Portugal are eligible to apply to the Faculty Exchange Program. The applications will be analyzed and authorized by the ICTI Directors. The decisions are reviewed by the Scientific Directors. The number of applications funded will depend upon the scope, quality, and the availability of funds. The review process will take two weeks at the most.

## **Financial Support - Scholarship**

The candidates admitted to the Faculty Exchange Program will receive a Scholarship to cover living expenses during their stay. The financial support will be available for a one-term stay (4 months).

A contract will have to be signed with the candidate admitted to the Faculty Exchange Program. At the end of the Faculty Exchange Program, the visitor will be required to submit a one-page report describing the activity developed during that period.

## **Faculty Exchange Members in Numbers**

Collectively, 65 faculty members have participated in the program by the end of March 2017, representing 12 different Portuguese higher education institutions. Three more exchanges, scheduled for 2017, have been already approved.

In this subsection, we present charts showing the evolution of the number of faculty exchanges since 2007 until the end of 2016, and the total number of faculty exchanges by the end of 2016. These charts present figures by Portuguese higher education institution and by host organizational unit at Carnegie Mellon.

## Distribution of faculty exchanges by Portuguese higher education institution

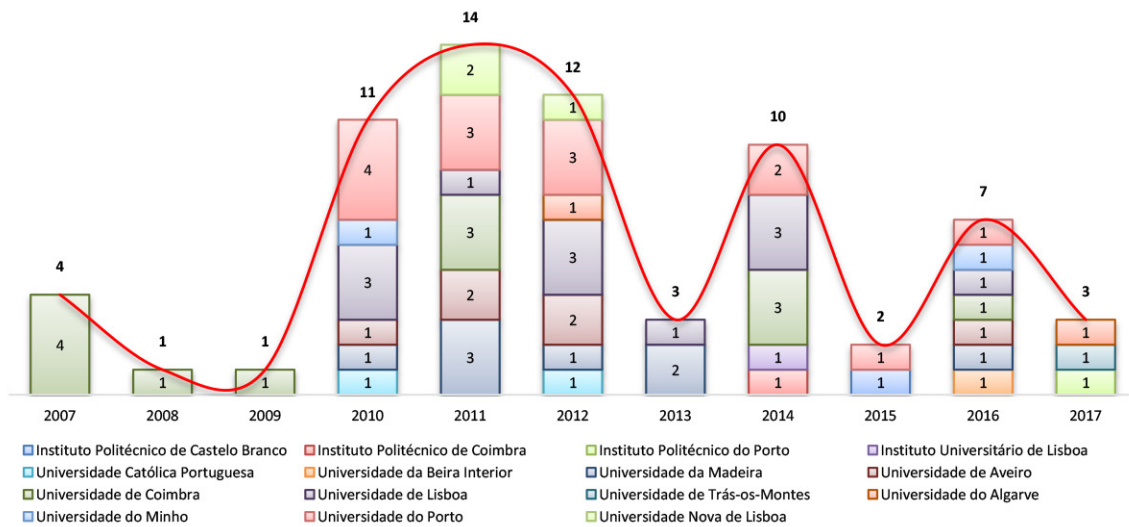


Figure 2 – Evolution of the number of faculty exchanges from each Portuguese higher education institution

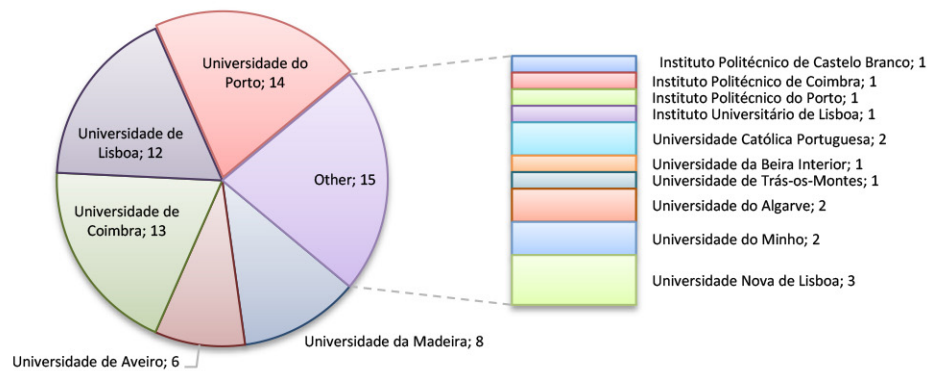


Figure 3 – Number of faculty exchanges from each Portuguese higher education institution

## Distribution of faculty exchanges by CMU host organizational unit

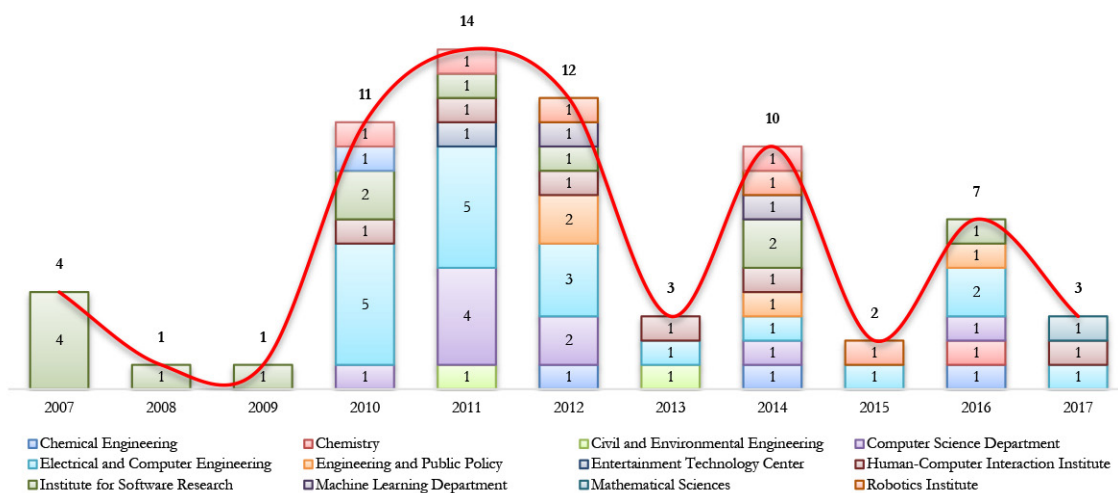


Figure 4 – Evolution of the number of faculty exchanges from each host organizational unit at Carnegie Mellon

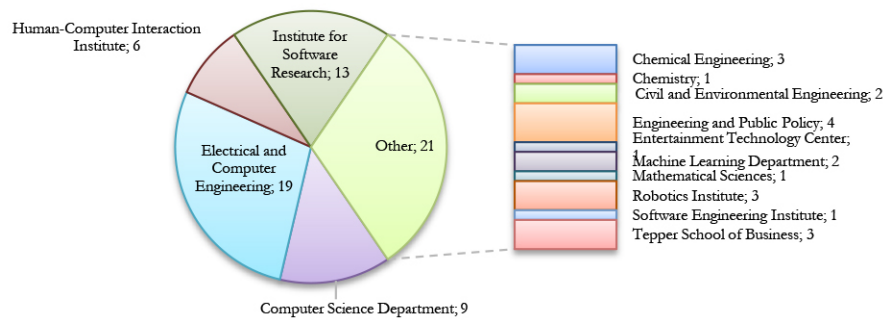


Figure 5 – Number of faculty exchanges in each host organizational unit at Carnegie Mellon

## List of Faculty Exchange Members

### 2017 Faculty Exchange Members



**Hermenegildo Oliveira**  
 Position: Assistant Professor  
 Institution: Universidade do Algarve  
 Period of Visit: Fall 2017  
 Host at CMU: Gautam Iyer  
 Host Department: Mathematical Sciences



**Hugo Silva**  
 Position: Assistant Professor with Habilitation  
 Institution: Universidade de Trás-os-Montes  
 Period of Visit: Spring 2017  
 Host at CMU: Jeffrey P. Bigham  
 Host Department: Human-Computer Interaction Institute



**Nuno Pereira**  
 Position: Associate Professor  
 Institution: Instituto Superior de Engenharia do Porto  
 Period of Visit: Spring 2017  
 Host at CMU: Anthony Rowe (ECE)  
 Host Department: Electrical and Computer Engineering

### 2016 Faculty Exchange Members



**Dulce Pacheco**  
 Position: Post-doc researcher  
 Institution: Madeira Interactive Technologies Institute  
 Period of Visit: Fall 2016  
 Host at CMU: Scott Stevens (CS)  
 Host Department: Computer Science Department



**Fernando Velez**  
 Position: Assistant Professor  
 Institution: Universidade da Beira Interior  
 Period of Visit: Summer 2016  
 Host at CMU: Jon M. Peha (EPP)  
 Host Department: Engineering and Public Policy



**Inês Portugal**  
 Position: Assistant Professor  
 Institution: Universidade de Aveiro  
 Period of Visit: Spring 2016  
 Host at CMU: Ignacio E. Grossmann (Chemical Engineering)  
 Host Department: Chemical Engineering



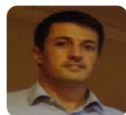
**João Cunha**  
 Position: Associate Professor with Agregation  
 Institution: Faculdade de Engenharia do Porto  
 Period of Visit: Fall 2016  
 Host at CMU: Robert Iannucci (ECE)  
 Host Department: Electrical and Computer Engineering



**Jorge Coelho**  
 Position: Assistant Professor  
 Institution: Universidade de Coimbra  
 Period of Visit: Summer 2016  
 Host at CMU: Krzysztof Matyjaszewski (Chemistry)  
 Host Department: Chemistry



**Leonel Sousa**  
 Position: Full Professor  
 Institution: Instituto Superior Técnico  
 Period of Visit: Fall 2016  
 Host at CMU: James C. Hoe (ECE)  
 Host Department: Electrical and Computer Engineering



**Miguel Abrunhosa de Brito**  
 Position: Assistant Professor  
 Institution: Universidade do Minho  
 Period of Visit: Spring 2016  
 Host at CMU: David Garlan (ISR)  
 Host Department: Institute for Software Research

### 2015 Faculty Exchange Members



**Arminda Lopes**  
 Position: Adjunct Professor  
 Institution: Escola Superior de Tecnologia, Instituto Politécnico de Castelo Branco/ M-ITI  
 Period of Visit: Fall 2015  
 Host at CMU: Daniel P. Siewiorek, Asim Saimalagic (RI)  
 Host Department: Robotic Institute



**Fernando Silva**  
 Position: Full Professor  
 Institution: Faculdade de Ciências of the Universidade do Porto (FCUP)/ INESC TEC  
 Period of Visit: Summer 2015  
 Host at CMU: Priya Narasimhan (ECE)  
 Host Department: Electrical and Computer Engineering

## 2014 Faculty Exchange Members



**André Leal Santos**  
**Position:** Assistant Professor  
**Institution:** University Institute of Lisbon (ISCTE IUL)/ LASIGE  
**Period of Visit:** Spring 2014  
**Host at CMU:** Brad A. Myers (HCI)  
**Host Department:** Human-Computer Interaction Institute



**Joel Perdiz Arrais**  
**Position:** Invited Assistant Professor  
**Institution:** Faculdade de Ciências e Tecnologia of the Universidade de Coimbra (FCTUC)/ CISUC  
**Period of Visit:** Spring and Summer 2014  
**Host at CMU:** Ziv-Bar Joseph (ML)  
**Host Department:** Machine Learning Department



**Jorge Bernardino**  
**Position:** Coordinator Professor  
**Institution:** Instituto Superior de Engenharia de Coimbra (ISEC)/ CISUC  
**Period of Visit:** Spring 2014  
**Host at CMU:** David Garlan (ISR)  
**Host Department:** Institute for Software Research



**Jorge Miguel Sá Silva**  
**Position:** Assistant Professor  
**Institution:** Faculdade de Ciências e Tecnologias da Universidade de Coimbra (FCTUC)/ LCT  
**Period of Visit:** Spring 2014  
**Host at CMU:** Pei Zhang (Silicon Valley Campus)  
**Host Department:** Electrical and Computer Engineering



**Manuel Marques**  
**Position:** Assistant Researcher  
**Institution:** Instituto Superior Técnico (IST)/ ISR  
**Period of Visit:** Fall 2014  
**Host at CMU:** Manuela Veloso (CS)  
**Host Department:** Computer Science



**Muriela Hinard de Pádua**  
**Position:** Researcher  
**Institution:** Instituto Superior Técnico (IST)/ IN+  
**Period of Visit:** Summer 2014  
**Host at CMU:** Granger Morgan (EPP)  
**Host Department:** Engineering and Public Policy



**Pedro Amorim**  
**Position:** Assistant Professor  
**Institution:** Faculdade de Engenharia of the Universidade do Porto (FEUP)/ INESC TEC  
**Period of Visit:** Spring and Summer 2014  
**Host at CMU:** Ignacio E. Grossman (CE)  
**Host Department:** Chemical Engineering



**Pedro Furtado**  
**Position:** Assistant Professor  
**Institution:** Faculdade de Ciências e Tecnologias of the Universidade de Coimbra (FCTUC)/ CISUC  
**Period of Visit:** Fall 2014  
**Host at CMU:** David Garlan (ISR)  
**Host Department:** Institute for Software Research



**Ricardo Pereira**  
**Position:** Assistant Professor  
**Institution:** Instituto Superior Técnico (IST)/ INESC ID  
**Period of Visit:** Spring and Summer 2014  
**Host at CMU:** Fernando de la Torre (RI)  
**Host Department:** Robotics Institute



**Vera Miguéis Silva**  
**Position:** Assistant Professor  
**Institution:** Faculdade de Engenharia of the Universidade do Porto (FEUP)/ INESC TEC  
**Period of Visit:** Summer 2014  
**Host at CMU:** Alan Montgomery (TSB)  
**Host Department:** Tepper School of Business

## 2013 Faculty Exchange Members



**Fernando Manuel Morgado Dias**  
**Position:** Assistant Professor  
**Institution:** Universidade da Madeira (UMa)/ M-ITI  
**Period of Visit:** Fall 2013  
**Host at CMU:** Mario Bergés (Civil and Environmental Engineering Department, CEE)  
**Host Department:** Civil and Environmental Engineering



**Mónica da Silva Cameirão**  
**Position:** Assistant Professor Researcher  
**Institution:** Universidade da Madeira (UMa)/ M-ITI  
**Period of Visit:** Fall 2013  
**Host at CMU:** Daniel P. Siewiorek (Quality of Life Technology Center CS/ECE)  
**Host Department:** Human-Computer Interaction Institute



**Vasco Miguel Nunes Manquinho**  
**Position:** Assistant Professor  
**Institution:** Instituto Superior Técnico (IST)/ INESC ID  
**Period of Visit:** Fall 2013  
**Host at CMU:** Edmund Clarke (CS)  
**Host Department:** Electrical and Computer Engineering

## 2012 Faculty Exchange Members



**Alberto Manuel Rodrigues da Silva**  
**Position:** Associate Assistant Professor  
**Institution:** Instituto Superior Técnico (IST)/ INESCID  
**Period of Visit:** Fall 2012  
**Host at CMU:** David Garlan (ISR)  
**Host Department:** Institute for Software Research



**Ana Paiva**  
**Position:** Associate Professor  
**Institution:** Instituto Superior Técnico (IST)/ INESC ID  
**Period of Visit:** Fall 2012  
**Host Department:** Computer Science Department



**Diogo Gomes**  
**Position:** Assistant Professor  
**Institution:** Universidade de Aveiro (UA)/ IT  
**Period of Visit:** Summer 2012  
**Host at CMU:** Greg Ganger (ECE)  
**Host Department:** Electrical and Computer Engineering



**Ana Barros**  
**Position:** Senior Researcher at INESC TEC, Adjunct Professor  
**Institution:** Universidade Católica Portuguesa (UCP)/ INESC TEC  
**Period of Visit:** Summer 2012  
**Host at CMU:** Erica Fuchs (EPP)  
**Host Department:** Engineering and Public Policy



**Cristina Gomes**  
**Position:** Assistant Professor  
**Institution:** Instituto Superior Técnico (IST)  
**Period of Visit:** Fall 2012  
**Host at CMU:** Ignacio E. Grossmann (CE)  
**Host Department:** Chemical Engineering Department



**Ian Oakley**  
**Position:** Assistant Professor  
**Institution:** Universidade da Madeira (UMa)/ M-ITI  
**Period of Visit:** Fall 2012  
**Host at CMU:** Anind Dey (HCI)  
**Host Department:** Human Computer Interaction Institute



**João Barros**  
 Position: Associate Professor  
 Institution: Faculdade de Engenharia of the Universidade do Porto (FEUP) / IT  
 Period of Visit: Summer 2012  
 Host at CMU: Granger Morgan (ECE/EPP)  
 Host Department: Electrical and Computer Engineering, Engineering and Public Policy



**João Costa Seco**  
 Position: Assistant Professor  
 Institution: Faculdade de Ciências e Tecnologia of the Universidade Nova de Lisboa (FCT-UNL) / CITI  
 Period of Visit: Fall 2012  
 Host at CMU: Frank Pfenning (CS)  
 Host Department: Computer Science Department



**José Luís Valente Oliveira**  
 Position: Assistant Professor  
 Institution: Universidade do Algarve (UAlg) / ILab  
 Period of Visit: Fall 2012  
 Host at CMU: Fernando de la Torre (RI)  
 Host Department: Robotics Institute



**José Machado da Silva**  
 Position: Associate Professor  
 Institution: Faculdade de Engenharia of the Universidade do Porto (FEUP) / INESC TEC  
 Period of Visit: Spring 2012  
 Host at CMU: Shawn Blanton (ECE, CSSI)  
 Host Department: Electrical and Computer Engineering



**Pedro Brandão**  
 Position: Assistant Professor  
 Institution: Faculdade de Ciências of the Universidade do Porto (FCUP) / IT  
 Period of Visit: Summer 2012  
 Host at CMU: Anthony Rowe (ECE/Cylab)  
 Host Department: Electrical and Computer Engineering



**Petia Georgieva**  
 Position: Researcher at IEETA, Assistant Professor  
 Institution: Universidade de Aveiro (UA) / IEETA  
 Period of Visit: Fall 2012  
 Host at CMU: Tom Mitchell (ML)  
 Host Department: Computer Science and Machine Learning

## 2011 Faculty Exchange Members



**Ana Cristina Costa Aguiar**  
 Position: Assistant Professor  
 Institution: Faculdade de Engenharia of the Universidade do Porto (FEUP) / IT  
 Period of visit: Spring 2011  
 Host at CMU: Peter Steenkiste (CS)  
 Host Department: Computer Science Department



**Barbara Pizzileo**  
 Position: Invited Assistant Professor  
 Institution: Universidade da Madeira (UMA) / M-ITI  
 Period of visit: Spring 2011  
 Host at CMU: Lucio Soibelman (Civil & Environmental Engineering)  
 Host Department: Civil and Environmental Engineering



**Bruno Cabral**  
 Position: Assistant Professor  
 Institution: Universidade de Coimbra (UC) / CISUC  
 Period of visit: Spring 2011  
 Host at CMU: David Garlan (CS)  
 Host Department: Institute for Software Research



**Carla Ferreira**  
 Position: Assistant Professor  
 Institution: Faculdade de Ciências e Tecnologia of the Universidade Lisboa (FCT-UNL) / CITI  
 Period of visit: Spring 2011 and Fall 2011  
 Host at CMU: Frank Pfenning (CS)  
 Host Department: Computer Science Department



**Carlos Manuel Gonçalves Carreira**  
 Position: Assistant Professor  
 Institution: Faculdade de Economia of the Universidade de Coimbra (FEUC) / GEMF  
 Period of Visit: Fall 2011  
 Host at CMU: David Greenstreet (SDC Department)  
 Host Department: Tepper School of Business



**Monchu Chen**  
 Position: Assistant Professor  
 Institution: Universidade da Madeira (UMA) / M-ITI  
 Period of visit: Spring 2011  
 Host at CMU: Don Marinelli (ETC)  
 Host Department: Entertaining Technology Center



**Paulo Pedreiras**  
 Position: Assistant Professor  
 Institution: Universidade de Aveiro (UA) / IEETA  
 Period of visit: Spring 2011  
 Host at CMU: Raj Rajkumar (ECE)  
 Host Department: Electrical and Computer Engineering



**Pedro Quelhas**  
 Position: Invited Assistant Professor  
 Institution: Faculdade de Engenharia of the Universidade do Porto (FEUP) / INEB  
 Period of visit: Spring 2011  
 Host at CMU: Jelena Kovačević (ECE)  
 Host Department: Electrical and Computer Engineering



**Raul Barbosa**  
 Position: Assistant Professor  
 Institution: Universidade de Coimbra (UC) / CISUC  
 Period of Visit: Summer 2011  
 Host at CMU: David Garlan (CS/ECE), Jonathan Aldrich (ISR), Priya Narasimhan (ECE)  
 Host Department: Electrical and Computer Engineering



**Rodolfo Alexandre Duarte Oliveira**  
 Position: Assistant Professor  
 Institution: Faculdade de Ciências e Tecnologia of the Universidade Nova de Lisboa (FCT-UNL) / IT  
 Period of visit: Fall 2011  
 Host at CMU: Ozan Tonguz (ECE)  
 Host Department: Electrical and Computer Engineering



**Rodrigo Ventura**  
 Position: Full Assistant Professor  
 Institution: Instituto Superior Técnico (IST) / ISR  
 Period of visit: Spring 2011  
 Host at CMU: Manuela Veloso (CS)  
 Host Department: Computer Science Department



**Rui Prior**  
 Position: Assistant Professor  
 Institution: Faculdade de Ciências da Universidade do Porto (FCUP) / IT  
 Period of visit: Summer 2011  
 Host at CMU: Hyong Kim (ECE)  
 Host Department: Electrical and Computer Engineering



**Sergi Bermúdez i Badia**  
 Position: Research Fellow Assistant Professor  
 Institution: Universidade da Madeira (UMa) / MITI  
 Period of visit: Spring 2011  
 Host at CMU: Daniel P. Siewiorek (CS)  
 Host Department: Human-Computer Interaction Institute



**Susana Sargento**  
 Position: Assistant Professor  
 Institution: Universidade de Aveiro (UA) / IT  
 Period of visit: Fall 2010 and Spring 2011  
 Host at CMU: Peter Steenkiste (CS)  
 Host Department: Computer Science Department

## 2010 Faculty Exchange Members



**Alysson Neves Bessani**  
Position: Assistant Professor  
Institution: Faculdade de Ciências da Universidade de Lisboa (FCUL)/ LASIGE  
Period of visit: Spring 2010  
Host at CMU: Greg Ganger (ECE)  
Host Department: Electrical and Computer Engineering



**Ana Groznik**  
Position: Assistant Professor  
Institution: Faculdade de Ciências Económicas e Empresariais da Universidade Católica Portuguesa (CLSB/E)  
Period of visit: Fall 2010  
Host at CMU: Alan Scheller-Wolf (TSB)  
Host Department: Tepper School of Business



**Hans Peter Reiser**  
Position: Assistant Professor  
Institution: Faculdade de Ciências of the Universidade de Lisboa (FCUL)/ LASIGE  
Period of visit: Fall 2010  
Host at CMU: David Brumley (ECE and CS)  
Host Department: Electrical and Computer Engineering



**Isabel Maria Pinto Ramos**  
Position: Assistant Professor  
Institution: Universidade do Minho (UMinho)  
Period of visit: Fall 2010  
Host at CMU: Rahul Telang (Heinz College) and Linda Levine/Patricia Oberndorf (Software Engineering Institute)  
Host Department: Software Engineering Institute



**Jaime Cardoso**  
Position: Assistant Professor  
Institution: Faculdade de Engenharia of the Universidade do Porto (FEUP)/ INESC TEC  
Period of visit: Spring 2010.  
Host at CMU: Poe Eric Xing (CS and ML) and Marios Savvides (ECE)  
Host Department: Computer Science Department



**João Xavier**  
Position: Assistant Professor  
Institution: Instituto Superior Técnico (IST)/ ISR  
Period of visit: Spring 2010  
Host at CMU: Prof. Bruno Sinopoli (ECE)  
Host Department: Electrical and Computer Engineering



**José Maria Amaral Fernandes**  
Position: Assistant Professor  
Institution: Universidade de Aveiro (UA)/ IEETA  
Period of visit: Fall 2010  
Host at CMU: David Garlan (ECE and CS)  
Host Department: Institute for Software Research



**Nestor Cataño**  
Position: Assistant Professor  
Institution: Universidade da Madeira (UMa)/ M-ITI  
Period of visit: Spring 2010  
Host at CMU: Anind Dey (HCI Institute)  
Host Department: Human-Computer Interaction Institute



**Ricardo Morla**  
Position: Assistant Professor  
Institution: Faculdade de Engenharia of the Universidade do Porto (FEUP)/ INESC TEC  
Period of visit: Spring 2010  
Host at CMU: Hyong Kim (ECE)  
Host Department: Electrical and Computer Engineering



**Rui Maranhão Abreu**  
Position: Assistant Professor  
Institution: Faculdade de Engenharia of the Universidade do Porto (FEUP)/ INESC TEC  
Period of visit: Fall 2010  
Host at CMU: Jonathan Aldrich (ISR)  
Host Department: Institute for Software Research



**Vitor Grade Tavares**  
Position: Assistant Professor  
Institution: Faculdade de Engenharia of the Universidade do Porto (FEUP)/ INESC TEC  
Period of visit: Fall 2010  
Host at CMU: Shawn Blanton (ECE / CSSI)  
Host Department: Electrical and Computer Engineering

## 2009 Faculty Exchange Members



**Paulo Rupino**  
Position: Assistant Professor  
Institution: Faculdade de Ciências e Tecnologia of the Universidade de Coimbra (FCTUC)  
Period of visit: Spring 2009  
Host at CMU: David Garlan (ISR)  
Host Department: Institute for Software Research

## 2008 Faculty Exchange Members



**Licínio Roque**  
Position: Assistant Professor  
Institution: Faculdade de Ciências e Tecnologia of the Universidade de Coimbra (FCTUC)  
Period of visit: Fall 2008  
Host at CMU: David Garlan (ISR)  
Host Department: Institute for Software Research

## 2007 Faculty Exchange Members



**Marco Vieira**  
Position: Assistant Professor  
Institution: Faculdade de Ciências e Tecnologia of the Universidade de Coimbra (FCTUC)  
Period of visit: Summer 2007  
Host at CMU: David Garlan (ISR)  
Host Department: Institute for Software Research



**Mário Zenha Relá**  
Position: Assistant Professor  
Institution: Faculdade de Ciências e Tecnologia of the Universidade de Coimbra (FCTUC)  
Period of visit: Fall 2007  
Host at CMU: David Garlan (ISR)  
Host Department: Institute for Software Research



**Paulo Marques**  
Position: Assistant Professor  
Institution: Faculdade de Ciências e Tecnologia of the Universidade de Coimbra (FCTUC)  
Period of visit: Spring 2007  
Host at CMU: David Garlan (ISR)  
Host Department: Institute for Software Research



**Pedro Bizarro**  
Position: Assistant Professor  
Institution: Faculdade de Ciências e Tecnologia of the Universidade de Coimbra (FCTUC)  
Period of visit: Fall 2007  
Host at CMU: David Garlan (ISR)  
Host Department: Institute for Software Research