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](https://example.com/image.png) - 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: Gahan Yen
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: Jeffery 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 Stueart (CS)
Host Department: Computer Science Department

Fernando Yelez
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: Fall 2016
Host at CMU: Ignacio E. Grossman (Chemical Engineering)
Host Department: Chemical Engineering

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

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

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

Miguel Abrunhosa de Bríto
Position: Assistant Professor
Institution: Universidade do Minho
Period of Visit: Spring 2016
Host at CMU: David Geelan (ISEE)
Host Department: Institute for Software Research

2015 Faculty Exchange Members

Amanda Lopes
Position: Adjunct Professor
Institution: Escola Superior de Tecnologia, Instituto Politécnico de Castelo Branco/ITI
Period of Visit: Fall 2015
Host at CMU: Daniel P. Siekirk, Asim Srinivasan
Host Department: Robotics Institute

Fernando Silva
Position: Full Professor
Institution: Faculdade de Ciências da Universidade do Porto (FCUP)/ INESC TEC
Period of Visit: Summer 2015
Host at CMU: Praya Narasimhan (ECE)
Host Department: Electrical and Computer Engineering
# 2014 Faculty Exchange Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
<th>Period of Visit</th>
<th>Host at CMU:</th>
<th>Host Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>André Leal Santos</td>
<td>Assistant Professor</td>
<td>Instituto Superior Instituto de Lisboa (BCTE IUL)/ LASIGE</td>
<td>Spring 2014</td>
<td>David Cotsen (HCI)</td>
<td>Human-Computer Interaction Institute</td>
</tr>
<tr>
<td>Jorge Bernardino</td>
<td>Coordinator Professor</td>
<td>Instituto Superior de Engenharia da Comunhia (ISEC)/ CIUC</td>
<td>Spring 2014</td>
<td>David Cotsen (ISR)</td>
<td>Machine Learning Department</td>
</tr>
<tr>
<td>Manuel Marques</td>
<td>Assistant Researcher</td>
<td>Instituto Superior Técnico (IST)/ ISR</td>
<td>Fall 2014</td>
<td>Munirala Haider (CS)</td>
<td>Computer Science</td>
</tr>
<tr>
<td>Pedro Amorim</td>
<td>Assistant Professor</td>
<td>Faculdade de Engenharia da Universidade do Porto (FEUP) / INESC TEC</td>
<td>Spring and Summer 2014</td>
<td>David Cotsen (ISR)</td>
<td>Computer Science</td>
</tr>
<tr>
<td>Ricardo Pereira</td>
<td>Assistant Professor</td>
<td>Instituto Superior: Técnico (IST)/ INESC ID</td>
<td>Spring and Summer 2014</td>
<td>Fernando de la Torre (RI)</td>
<td>Robotics Institute</td>
</tr>
<tr>
<td>Vera Miguelis Silva</td>
<td>Assistant Professor</td>
<td>Faculdade de Engenharia da Universidade do Porto (FEUP) / INESC TEC</td>
<td>Summer 2014</td>
<td>Alan Montgomery (TSB)</td>
<td>Tepper School of Business</td>
</tr>
</tbody>
</table>

# 2013 Faculty Exchange Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
<th>Period of Visit</th>
<th>Host at CMU:</th>
<th>Host Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fernando Manuel Morgado Dias</td>
<td>Associate Assistant Professor</td>
<td>Universidade de Madura (UMa)/ M-ITI</td>
<td>Fall 2013</td>
<td>David Cardon (ISR)</td>
<td>Civil and Environmental Engineering</td>
</tr>
<tr>
<td>Vasco Miguel Nunes Manonopulho</td>
<td>Assistant Professor</td>
<td>Instituto Superior Técnico (IST)/ INESC ID</td>
<td>Fall 2013</td>
<td>Edmond Clutter (CS)</td>
<td>Electrical and Computer Engineering</td>
</tr>
<tr>
<td>Mônica da Silva Camerlane</td>
<td>Associate Professor Researcher</td>
<td>Universidade da Madura (UMa) / M-ITI</td>
<td>Fall 2013</td>
<td>David P. Sternberg (Quality of Life Technology Center CS/ECE)</td>
<td></td>
</tr>
</tbody>
</table>

# 2012 Faculty Exchange Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
<th>Period of Visit</th>
<th>Host at CMU:</th>
<th>Host Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alberto Manuel Rodrigues da Silva</td>
<td>Associate Assistant Professor</td>
<td>Instituto Superior Técnico (IST)/ INESC ID</td>
<td>Fall 2012</td>
<td>David Cotsen (ISR)</td>
<td>Institute for Software Research</td>
</tr>
<tr>
<td>Diogo Gomes</td>
<td>Assistant Professor</td>
<td>Universidade de Aveiro (UA)/ IT</td>
<td>Summer 2012</td>
<td>Greg Ganger (HCE)</td>
<td>Electrical and Computer Engineering</td>
</tr>
<tr>
<td>Cristina Gomes</td>
<td>Assistant Professor</td>
<td>Instituto Superior Técnico (IST)</td>
<td>Fall 2012</td>
<td>Ignacio R. Grossmann (CE)</td>
<td>Chemical Engineering Department</td>
</tr>
<tr>
<td>Ana Paiva</td>
<td>Associate Professor</td>
<td>Instituto Superior Técnico (IST)/ INESC ID</td>
<td>Fall 2012</td>
<td>Anil Dey (HCL)</td>
<td>Computer Science</td>
</tr>
<tr>
<td>Ana Barros</td>
<td>Senior Researcher at INESC TEC, Adjunct Professor</td>
<td>Universidade da Madeira (UMa) / INESC TEC</td>
<td>Summer 2012</td>
<td>Eeca Fuchi (EPP)</td>
<td>Engineering and Public Policy</td>
</tr>
<tr>
<td>Leo Oakley</td>
<td>Associate Professor</td>
<td>Universidade da Madeira (UMa) / M-ITI</td>
<td>Fall 2012</td>
<td>Anil Dey (HCL)</td>
<td>Computer Science</td>
</tr>
</tbody>
</table>
2011 Faculty Exchange Members

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

Barbara Pizzolato
Position: Invited Assistant Professor
Institution: Universidade da Madeira (UM) / M-ETI
Period of visit: Spring 2011
Host at CMU: Luís Schubman (Civil & Environmental Engineering)
Host Department: Civil and Environmental Engineering

Ana Maria Gonçalves Caetano
Position: Assistant Professor
Institution: Faculdade de Ciências da Universidade do Porto (FCUP), IT
Period of visit: Spring 2011
Host at CMU: David Gadsden (SDC Department)
Host Department: Institute for Software Research

Catarina de Freitas
Position: Assistant Professor
Institution: Faculdade de Ciências da Universidade do Porto (FCUP), IT
Period of visit: Spring 2011
Host at CMU: Don MacNeile (ETC)
Host Department: Entertainment Technology Center

Carlos Manuel Gonçalves Carneiro
Position: Assistant Professor
Institution: Universidade de Coimbra (UC) / CICTE
Period of visit: Fall 2011
Host at CMU: David Gadsden (SDC Department)
Host Department: Tepper School of Business

Manuel Chaves
Position: Assistant Professor
Institution: Universidade da Madeira (UM) / M-ETI
Period of visit: Spring 2011
Host at CMU: Don MacNeile (ETC)
Host Department: Electrical and Computer Engineering

Paulo Pedro
Position: Assistant Professor
Institution: Universidade do Porto (FEUP) / INESC
Period of visit: Spring 2011
Host at CMU: Jelena Koncic (BCE)
Host Department: Electrical and Computer Engineering

Pedro Queiros
Position: Assistant Professor
Institution: Faculdade de Ciências da Universidade do Porto (FCUP) / INESC
Period of visit: Fall 2011
Host at CMU: Oza Tong (BCE)
Host Department: Electrical and Computer Engineering

Raul Barbosa
Position: Assistant Professor
Institution: Universidade de Coimbra (UC) / CICTE
Period of visit: Summer 2011
Host at CMU: David Gadsden (CS/IEE), Jonathan Althrich (ISR), Pete Nasanen (BCE)
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: Danuel P. Siewarz (CS)
Host Department: Computer Science Department

Rui Prior
Position: Assistant Professor
Institution: Universidade de Aveiro (UA) / CS
Period of visit: Summer 2011
Host at CMU: Hyoung Kim (BCE)
Host Department: Electrical and Computer Engineering

Sergio Bermúdez i Badía
Position: Research Fellow Assistant Professor
Institution: Universidade de Málaga (UM) / MITI
Period of visit: Spring 2011
Host at CMU: Daniel P. Siewarz (CS)
Host Department: Human-Computer Interaction Institute

Susana Sargento
Position: Assistant Professor
Institution: Universidade de Aveiro (UA) / CS
Period of visit: Fall 2010 and Spring 2011
Host at CMU: Peter Stevenhagen (CS)
Host Department: Computer Science Department
## 2010 Faculty Exchange Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
<th>Period of visit</th>
<th>Host at CMU</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alysson Neves Bessani</td>
<td>Assistant Professor</td>
<td>Faculdade de Ciências da Universidade de Lisboa (FCUL)</td>
<td>Spring 2010</td>
<td>Greg Ganger (ECE)</td>
<td>Electrical and Computer Engineering</td>
</tr>
<tr>
<td>Hans Peter Reiser</td>
<td>Assistant Professor</td>
<td>Faculdade de Ciências da Universidade de Lisboa (FCUL)</td>
<td>Fall 2010</td>
<td>David Brandt (ECE and CS)</td>
<td>Electrical and Computer Engineering</td>
</tr>
<tr>
<td>Jaime Cardoso</td>
<td>Assistant Professor</td>
<td>Faculdade de Engenharia da Universidade do Porto (FEUP)</td>
<td>Spring 2010</td>
<td>Eric Xing (CS and ML) and Marcus Servos (ECE)</td>
<td>Computer Science Department</td>
</tr>
<tr>
<td>José Maria Amaroal Fernandes</td>
<td>Assistant Professor</td>
<td>Universidade de Aveiro (UA) / IEETA</td>
<td>Fall 2010</td>
<td>David Gadian (ECE and CS)</td>
<td>Institute of Software Research</td>
</tr>
<tr>
<td>Ricardo Meda</td>
<td>Assistant Professor</td>
<td>Faculdade de Engenharia da Universidade do Porto (FEUP)</td>
<td>Spring 2010</td>
<td>Hyong Kim (ECE)</td>
<td>Electrical and Computer Engineering</td>
</tr>
<tr>
<td>Ana Groznik</td>
<td>Assistant Professor</td>
<td>Faculdade de Ciências e Empreendedorismos da Universidade Católica Portuguesa (CLSBE)</td>
<td>Fall 2010</td>
<td>Alam Schellen Wolf (TSR)</td>
<td>Tepper School of Business</td>
</tr>
<tr>
<td>Isabel Maria Pinto Ramos</td>
<td>Assistant Professor</td>
<td>Universidade do Minho (UMinho)</td>
<td>Fall 2010</td>
<td>Rahul Teling (Hanus College) and Linda Lete (Patrick Obersdorff Software Engineering Institute)</td>
<td>Software Engineering Institute</td>
</tr>
<tr>
<td>João Xavier</td>
<td>Assistant Professor</td>
<td>Institute Superior Tecnico (IST) / ISR</td>
<td>Spring 2010</td>
<td>Prof. Bruno Simpoli (ECE)</td>
<td>Electrical and Computer Engineering</td>
</tr>
<tr>
<td>Nestor Catarino</td>
<td>Assistant Professor</td>
<td>Universidade da Madeira (UdM) / MTTI</td>
<td>Spring 2010</td>
<td>Anand Dey (HCI Institute)</td>
<td>Human-Computer Interaction Institute</td>
</tr>
<tr>
<td>Rui Maranhão Abreu</td>
<td>Assistant Professor</td>
<td>Faculdade de Engenharia da Universidade do Porto (FEUP)</td>
<td>Fall 2010</td>
<td>Jonathan Altmich (ISR)</td>
<td>Institute of Software Research</td>
</tr>
<tr>
<td>Vítor Guedes Tavares</td>
<td>Assistant Professor</td>
<td>Faculdade de Engenharia da Universidade do Porto (FEUP)</td>
<td>Fall 2010</td>
<td>Shawn Shuman (ECE and CS)</td>
<td>Electrical and Computer Engineering</td>
</tr>
</tbody>
</table>

## 2009 Faculty Exchange Members

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

## 2008 Faculty Exchange Members

- **Lício Bague**  
  - Position: Assistant Professor  
  - Institution: Faculdade de Ciências e Tecnologia da Universidade de Coimbra (FCTUC)  
  - Period of visit: Fall 2008  
  - Host at CMU: David Gadian (ISR)  
  - Department: Institute of Software Research

## 2007 Faculty Exchange Members

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

- **Mário Zender Bela**  
  - Position: Assistant Professor  
  - Institution: Faculdade de Ciências e Tecnologia da Universidade de Coimbra (FCTUC)  
  - Period of visit: Fall 2007  
  - Host at CMU: David Gadian (ISR)  
  - Department: Institute of Software Research

- **Paolo Marques**  
  - Position: Assistant Professor  
  - Institution: Faculdade de Ciências e Tecnologia da Universidade de Coimbra (FCTUC)  
  - Period of visit: Spring 2007  
  - Host at CMU: David Gadian (ISR)  
  - Department: Institute of Software Research

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