



Pedido de Inscrição Membro Correspondente



PEDIDO INSCRIÇÃO DE MEMBRO CORRESPONDENTE	Nº Regional	Nº Nacional
	71488	

Nome completo:

ANTÓNIO JOSÉ DE SOUSA BARRIAS

Estado Civil

Filiação Pai: ANTÓNIO CARVALHO BARRIAS

Filiação Mãe: PERÍLIA PEREIRA DE SOUSA BARRIAS

Data de Nascimento: 24 / 11 / 1990 Natural de: VILA REAL Nacionalidade: PORTUGUESA

Bilhete de Identidade: 13501806 DT Emissão: 27 / 08 / 2014 Arquivo: VILA REAL Validade: 27 / 08 / 2019

NIF: 242762610 Cartão de Cidadão: 13501806 4 Validade: 27 / 08 / 2019

Residência: c/ Petróxol 15, 4ª Planta

Código Postal/Localidade: 08002 - BARCELONA

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Licenciado com o curso de: TIETADO INTEGRADO EM ENGENHARIA CIVIL - ESTRUTURAS Em: 20 / 09 / 2013

Pelo(a): FACULDADE DE ENGENHARIA DA UNIVERSIDADE DO PORTO

Formação Complementar:

Empresa onde trabalha: UNIVERSITAT POLITÈCNICA DE CATALUNYA Função: INVESTIGADOR / CANDIDATO DE DOCTORAMENTO

Morada: c/ JORDI GIRONA 1-3

Código Postal/Localidade: 08034 - BARCELONA

Telefone: +34934016900 FAX: _____ E-mail: sousa.academica.carreras@upc.edu

Requer a admissão à Ordem como MEMBRO CORRESPONDENTE nos termos da alínea.... Do artigo 13º do Estatuto da Ordem

Actividade Profissional: Mais de 5 anos

Documentação Entregue: CV Carta de Curso Certidão de Licenciatura

Outros: _____

O abaixo assinado declara, ao inscrever-se na Ordem dos Engenheiros, aceitar o respectivo Estatuto, as Normas Deontológicas nele incluídas e os Regulamentos em vigor.

Local: Barcelona Data: 19 / 02 / 2016 Assinatura: António José de Sousa Barrias

Recebido por _____ Data: ___/___/___

Deliberação do CAQ em ___/___/___	Admita-se como membro Correspondente
O Presidente do CAQ	O Presidente do Conselho Directivo da Região Norte
_____	_____
Admitido em: ___/___/___	O Bastonário
_____	_____



PROFESSIONAL
EXPERIENCE

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ANTÓNIO JOSÉ DE SOUSA BARRIAS

Full chartered member of the Portuguese Order of Engineers nº 71488

PHD STUDENT | MARIE-CURIE FELLOWSHIP – TRUSS PROGRAMME

Universitat Politècnica de Catalunya, Barcelona, Spain

18/09/2015 – Present

PhD programme entitled "Development of optical fibre distributed sensing for SHM of bridges and large scale structures"

The objective of the project is to study the spatial resolution and strain accuracy obtained with optical distributed fibre when applied to concrete elements, and to see the potentiality of detecting crack or abnormal deflections without failure or debonding. Therefore, the most suitable bonding adhesives as well as the technique of attachment of the fibre to the concrete will be investigated. The long-term reliability of the sensor measurements will be investigated too. Finally, criteria for the design and deployment of a permanent monitoring system based on these sensors will be presented

RESEARCH FELLOW | LABEST (Laboratory of Concrete Technology and Structural Behaviour)

Faculty of Engineering of University of Porto, Portugal

03/03/2014 – 02/09/2015

Research programme entitled "GNSS and accelerometer data fusion in the monitoring of large structures"

Main responsibilities: High precision GNSS position calculation using commercial software, Exploration of multi-sensor fusion techniques, Structural behaviour analysis of real structures, Validation and interpretation of measurements performed on structures using GNSS and other sensors (accelerometers, LVDT, tiltmeters, strain gauge), organization and execution of field tests and the preparation of scientific papers and technical reports

INTERNSHIP | IAESTE Programme

Technische Universität Kaiserslautern, Germany

01/10/2013 – 30/11/2013

Laboratory work in the Department of Geotechnics.

Main responsibilities: Development of geotechnical tests and interpretation of results; Investigation of the viability and maintenance of equipment used in the tests; Technical assistance in research developed at this university.

QUALIFICATIONS

MASTER IN STRUCTURAL ENGINEERING

FACULTY OF ENGINEERING OF UNIVERSITY OF PORTO, PORTUGAL

(2011 - 2013)

Final grade: 17 (<20) corresponding to A in the European grade scale

Thesis "Design of a Road Bridge between *Parque da Alfândega* and *Cais de Gaia*". Grade: 17 (<20)

BACHELORS IN CIVIL ENGINEERING

FACULTY OF ENGINEERING OF UNIVERSITY OF PORTO, PORTUGAL

(2008 - 2011)

Final grade: 15 (<20) corresponding to A in the European grade scale

ERASMUS PROGRAM

ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE (CZECH TECHNICAL UNIVERSITY)-
PRAGUE, CZECH REPUBLIC (September 2012 – February 2013)

Grade: A

First semester of final year of master in structural engineering.

Courses: Structural Design Project, Environmental Engineering, Steel Structures, Numerical Analysis of Structures, Concrete Structures, Foundations, Basis of Bridges Design, Diagnosis and Surveying of Historical Buildings.

HIGH SCHOOL

CAMILO CASTELO BRANCO HIGH SCHOOL, VILA REAL, PORTUGAL

(2005-2008)

General Sciences (Physics, Mathematics, Chemistry, Biology, Geology), Linguistics (Portuguese, English), Physical Education, Philosophy

Final Grade: 17 (<20) corresponding to A in the European grade scale

SKILLS

ORGANIZATIONAL

IACES member (International Association of Civil Engineering Students) between September 2011 and July 2013.

Responsible for the proposal and organization of study visits within the Civil Engineering field of studies for the students of the Faculty of Engineering of the University of Porto and also in the development of educational materials to support classes in this same college.

Voluntary at the Portuguese Youth Institute doing surveillance of forests during the summer of 2011 in order to prevent wildfires.

COMPUTER

Micrsoft Office (Word, Excel, Power Point);

AutoCad Software, Google Skecthup;

Structural Analysis software such as Robot Structural Analysis and Nemetschek Scia.

Matlab and Labview software,

Several other software delivered during my academic courses, including ArcGIS, Slope, SPSS, among others.

LINGUISTIC

Advanced knowledge of English, through in-depth experience in Erasmus at Prague and on the internship at Germany.

Proficient knowledge of Spanish.

Basic knowledge of French language acquired in high school.

Spent one week in an exchange programme at Peterborough, United Kingdom during High School in April 2006.

COMMUNICATIONAL

Oral presentation of the article "*Monitorização de deslocamentos em estruturas com recurso ao GNSS*" at the conference *Jornadas Portuguesas de Engenharia de Estruturas, Lisboa 2014*

Great oral communication and argumentation skills developed during the academic development in oral presentations and debates.

Taught Portuguese classes in English for foreign students throughout the semester in Prague under the Erasmus programme.

INTERESTS

Structural engineering, bridge engineering, highway engineering, structural health monitoring, structural numerical modelling.

OTHERS

Played football at Sport Club Vila Real between 2002 to 2007

I enjoy to travel and visit new cultures and places.

I'm an avid sports fan, especially of football, basketball, cycling and american football.

ADDITIONAL INFORMATION

First author of the paper "Barrias A., Pestana A., Félix C., Figueiras J. - Monitorização de deslocamentos em estruturas com recurso ao GNSS", 5as Jornadas Portuguesas de Engenharia de Estruturas, Lisboa 2014

Participation in the 5th edition of the Hydraulics, Water Resources and Environment Meeting, Porto, October 2010;

Participation in Debate "New Paradigms - Democracy and Democracies", Porto, October 2011;

Participation in the 1st edition of the conference on Building Materials, Porto, March 2011;

Participation in the International Conference on Bridges and Heritage, 50 Arrábida, Porto, June 2013;

Participation in the III, IV, V and VI in Spaghetti Bridge Contest FEUP – student competition at Faculty of Engineering of University of Porto, where spaghetti bridges with a maximum weight of 350 grams and a minimum of 40 cm span are designed and tested with a concentrated load at mid-span.

DRIVING LICENCE

B, B1