

## **Personal Information**

- Nam Fernando Miguel Rocha de Oliveira
- Date of Birth 20th of December 1974
- Marital status De facto union
- Natitionality Portuguese
- Work Adress Aveiro-North Polytechnic School of  
Design, Management and Production Technologies  
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## **Academic qualifications**

- 2010, PhD in Computer Science, in the University of Aveiro, Portugal. Thesis theme – *“Conception, Development and Integration of Learning Roadmaps for Higher Education”*.
- 2003, MSc. Degree in Electronics and Telecommunications Engineer, Information Systems branch, in the University of Aveiro, Portugal. M. Sc. Thesis: Information Search on Telecom Networks. Dissertation theme – *“The search of information in telecom networks”*.
- 1998, Undergraduate in Electronics and Computer Science, in the University of Aveiro, Portugal. Seminar theme – *“IVS – Internet Video Server for learning classroom support”*.

## **1. Professional experience**

- 2002-2003, worked as a analyst/programmer in Teixeira Duarte S.A (ERP conception and development);
- 2001-2002, worked as a programmer/analyst in Intelligent Networks Services group in Portugal Telecom (Intelligent Networks management platform conception and development, prepaid cards management framework);
- 2000, Software engineer in the Commercial Systems Management of Edinfor (EDP Group – Portuguese Electricity Company) (ERP conception and development);
- 1998 to present moment, ICT and software developer trainer in several courses in training and higher institutions (Forino, School for New Technologies, Enterprise and Tourism Sciences Higher Institute (ISCET)).

## 2. Academic experience

- 2010 to present moment, associate professor in Aveiro North Polytechnic School of Design, Management and Production Technologies;
- 2010 to present moment, research collaborator at the Institute of Engineering Electronics and Telematics of Aveiro (IEETA);
- 2004-2009, Assistant professor in Aveiro North Polytechnic School of Design, Management and Production Technologies;
- 2003-2004, Researcher at the Institute of Engineering Electronics and Telematics of Aveiro (IEETA);
- 1998-1999, Researcher at the Institute of Telecommunications (IT) – Aveiro Pole;
- 1997-2000, Responsible for Information Systems research activities in the Broadband Research Group at the Department of Electronics, Telecommunications and Informatics of University of Aveiro, Portugal.

### Teaching (2004-2013):

- Computational methods (Product Design & Technology undergraduate course);
- Information Systems (Product Design & Technology undergraduate course);
- Industrial Electronics (Product Design & Technology undergraduate course);
- Multimedia Authoring Tools (Multimedia Product Development SCHE<sup>1</sup> CET<sup>2</sup>);
- Web programming & Web Services (Information Systems Programming and Technology SCHE CET);
- Web applications development (Software Development and Administration Systems SCHE CET);
- Algorithms (Information Systems Programming and Technology SCHE CET);
- ICT Project (Information Systems Programming and Technology SCHE CET).

### Course Management:

- SCHE CET Software Development and Administration Systems;
- SCHE CET Information Systems Programming and Technology;
- SCHE CET Electrical Installations and Industrial Automation;
- SCHE CET Multimedia Development Products.

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<sup>1</sup> Short Cycle Higher Education

<sup>2</sup> Technologic Specialization Course

**Traineeship supervisor:**

- International undergraduate students from Multimedia Communication course of the Mozambique Image and Communication Institute in Maputo;
- SCHE CET Software Development and Administration Systems;
- SCHE CET Information Systems Programming and Technology;
- SCHE CET Electrical Installations and Industrial Automation;
- SCHE CET Multimedia Product Development;
- SCHE CET Networks and Computer Systems Installation and Management.

**Project management with several enterprise partnerships (Cooperation with Society):**

- 2013-2012 Aveiro Expo Software Development and Project Management for Teatro Aveirense (Aveiro Theater), Aveiro Congress and Cultural Center, Expositions Campus and Mercado do Peixe (Fish Market);
- 2011-2010 Aveiro Town Hall ICT Consultancy (GIS Systems development / Evaluation and Analysis of Risk and Safety Information);
- 2011-2010 Maximoldes ICT Consultancy (Mold Industry);
- 2008 Portugal Telecom Innovation / Govern Innovation Agency – software development in the context of PhD work;
- 2008 Software Analysis and Development for the Enterprise Association of the Entre o Douro e Vouga (Between Douro and Vouga).

**Academic management:**

- 2010 to present moment:
  - Member of Aveiro North Polytechnic School Board;
  - Member of Aveiro North Polytechnic School Scientific and Pedagogic Board;
  - Member of Executive Commission of Aveiro North Polytechnic School;
  - Member of SCHE CET Management Commission of University of Aveiro;
  - SCHE CET – Undergraduate Accreditation Commissions;
  - Aveiro North Polytechnic School Web Page coordinator;
  - University of Aveiro ICT Services anchorman in Aveiro North Polytechnic School (since 2004);
  - University of Aveiro-Enterprises Office anchorman in Aveiro North Polytechnic School.

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### 3. Publications & Conferences

- **Conferences attended as a reviewer**

- ICEE 2007, International Conference on Engineering Education, University of Coimbra, Portugal. (<http://icee2007.dei.uc.pt/>)
- XATA 2005 – XML, Applications and Associated Technologies, University of Oporto, Portugal. (<http://vecpar.fe.up.pt/xata2005/>)

- **Publications (also available in <http://ria.ua.pt>)**

#### Publication in Journal with Evaluation Juri

- OLIVEIRA, Miguel ; SERRANO, José Artur Ferreira da Silva e Vale - Learning roadmap studio : new approaches and strategies for efficient learning and training processes . Elearning Europa(Elearning Europa) . Brussels, BE : European Union, vol. September 2008 (10. 2008) . p. 1 - 9
- PEREIRA, Pedro Miguel dos Santos Beça ; DUARTE, Anibal Manuel de Oliveira ; OLIVEIRA, Fernando Miguel Rocha de - Aprend.e : Sistema integrado de formação e aprendizagem . Revista do Departamento de Electrónica e Telecomunicações da Universidade de Aveiro(Revista do Departamento de Electrónica e Telecomunicações da Universidade de Aveiro) . Aveiro, PT . ISSN: 1645-04, vol. 4, n.º 3 (9. 2004) . p. 349 - 353. Portuguese text
- FURTADO, Gonçalo ; OLIVEIRA, Fernando Miguel Rocha de - Reflexão sobre o novos modelos comunicacionais de mobilidade urbana . Razon y Palabra . México, vol. , n.º 41 (Nov. 2004)
- OLIVEIRA, Fernando Miguel Rocha de ; LEMOS, Manuel - Serviço AMIS : Publicação, edição e pesquisa em repositórios de informação . Revista DET(DET Magazine) . Aveiro, Portugal, vol. , n.º (Jan. 2000) . p. 5-12. Portuguese text

#### Publication in Proceedings for Congress, Symposium or Conference

- OLIVEIRA, Miguel ; SERRANO, J. Artur - Teaching Computer Science in Higher Education : Enabling Learning Roadmaps for Post Secondary Courses . In Frontiers in Education : FIE . Washington D.C., US, Out. 2010 . p. 1 – 6

- OLIVEIRA, Miguel ; SERRANO, J. Artur - Learning Roadmap Studio : eLearning 2.0 based web platform for deploying and editing learning roadmaps . In International Conference on Education Technology and Computer : ICETC 2009 . Singapura, SG, Abr. 2009 . p. 88 - 93
- OLIVEIRA, Miguel ; DIREITO, Inês - A Framework for the Design and Implementation of Learning Objects : a Competence-based Approach . In SPDECE08 : Simposio Pluridisciplinar sobre Diseño y Evaluación de Contenidos Educativos Reutilizables . Salamanca, ES, Out. 2008 . p. 1 - 9
- OLIVEIRA, Miguel ; SERRANO, J. Artur - Learning Roadmaps for Higher Education . In International Conference on Engineering Education : ICEE 2007 . Coimbra, PT, Set. 2007 . p. 1 - 4
- PETIZ, S. ; SOUSA, A. ; OLIVEIRA, F. M. ; SANTANA, S. - The importance of target audiences in the design of training actions . In EdMedia 2005
- OLIVEIRA, Miguel ; PAIS, Fátima ; BEÇA, Pedro ; PETIZ, Sara ; DUARTE, A. Manuel de Oliveira - Conceção de Roteiros de Formação para a oferta formativa do Programa Aveiro Norte . In 4º SOPCOM : Repensar os Media: Novos Contextos da Comunicação e Informação . Aveiro, Out. 2005 . Portuguese text.
- OLIVEIRA, Miguel ; PEREIRA, Pedro Miguel dos Santos Beça ; COELHO, José Augusto Rodrigues de Sousa ; PETIZ, Sara Margarida da Silva ; SOUSA, Alexandre Fernando ; PAIS, Fátima ; DUARTE, Aníbal Manuel de Oliveira - aprend.e : electronic integrated system for learning and training . In EIPub 2005 : 9th ICCI International Conference on Electronic Publishing . Leuven, Belgium, . 2005
- OLIVEIRA, Miguel ; PEREIRA, Pedro Miguel dos Santos Beça ; PINTO, Joaquim Sousa ; DUARTE, Aníbal Manuel de Oliveira - eABC : scientific publications bibliographic archive . In EIPub 2004 : 8th ICCI International Conference on Electronic Publishing . Brasília, BR, Jun. 2004
- OLIVEIRA, Miguel ; PEREIRA, Pedro Miguel dos Santos Beça ; CARVALHO, Nuno Miguel Moiteiro ; PETIZ, Sara Margarida da Silva ; DUARTE, Aníbal Manuel de Oliveira - Enquadramento e impacto dos sistemas de informação no Programa Aveiro Norte . In Luscom 2004 . Covilhã, Portugal, Abr. 2004

- OLIVEIRA, Miguel ; PEREIRA, Pedro Miguel dos Santos Beça ; COELHO, José Augusto Rodrigues de Sousa ; DUARTE, Aníbal Manuel de Oliveira - Sistemas de informação desenvolvidos no âmbito do Programa Aveiro Norte . In 3º Colóquio Internacional de Redes e Cibercidades . Salvador, Bahia, Abr. 2004
- OLIVEIRA, Miguel ; SOUSA, Alexandre Fernando - Programa Aveiro-Norte, experiências do tipo b-Learning em actividades de formação orientadas para os quadros das empresas . In II Congresso ONLINE do Observatório para a Ciber-Sociedad : Para qual Sociedade do Conhecimento? . Espanha, Nov. 2004
- OLIVEIRA, Fernando Miguel Rocha de ; SOUSA, Alexandre Fernando - Aprend.e ? Sistema Electrónico de Aprendizagem para o Ensino e Formação Profissional . In II Congresso ONLINE do Observatório para a Ciber-Sociedad : Para qual Sociedade do Conhecimento? . Espanha, Nov. 2004
- OLIVEIRA, Miguel ; TEDIM, João Carlos ; DUARTE, Aníbal Manuel de Oliveira - A Problemática da Divulgação da Cultura Científica Usando os Recursos Proporcionados pela Internet e pelas Redes Telemáticas . In III Lusocom . Braga, Portugal, Out. 1999

#### **Divulcation article**

- PETIZ, Sara Margarida da Silva ; SANTANA, Silvina ; SOUSA, Alexandre Fernando ; OLIVEIRA, Fernando Miguel Rocha de ; DUARTE, Aníbal Manuel de Oliveira - O público-alvo como motor para a definição, concepção e implementação da acção formativa e do espaço web : um estudo de caso baseado num curso em Logística e Gestão Industrial para quadros empresariais . Conferência eLes 2004 . : . ISSN . vol. , n.º (Set. 2004) . p. 1-12. Portuguese text
- PAIS, Fátima ; PEREIRA, Pedro Miguel dos Santos Beça ; OLIVEIRA, Fernando Miguel Rocha de ; DUARTE, Aníbal Manuel de Oliveira - Gestão de Fluxos de Trabalho e Conteúdos em Elearning : um caso a decorrer no programa Aveiro-Norte . Conferência eLES?04 . : . ISSN . vol. , n.º (Jun. 2004)



- OLIVEIRA, Miguel ; PEREIRA, Pedro Miguel dos Santos Beça ; DUARTE, Aníbal Manuel de Oliveira - *Aprend.e ? Sistema integrado de formação e aprendizagem* . eLes04 . : . ISSN . vol. , n.º (Jun. 2004)
- OLIVEIRA, Miguel ; PEREIRA, Pedro Miguel dos Santos Beça ; COELHO, José Augusto Rodrigues de Sousa ; PETIZ, Sara Margarida da Silva ; DUARTE, Aníbal Manuel de Oliveira ; PAIS, Fátima - *aprende.e : Sistema Integrado de Formação e Aprendizagem* . CRC 2004 . : . ISSN . vol. , n.º (Out. 2004)

### Study and report

- OLIVEIRA, Miguel - *EuroSIG : Tutorial e Soluções* . Lisboa, Portugal : (), Jan. 2002 p.
- OLIVEIRA, Miguel - *Desenvolvimento de software PFCPowerBuilder através de camadas intermédias PFC-PFX-PFE* . Lisboa, Portugal : Eurogtd(), Jan. 2002 p.
- OLIVEIRA, Miguel - *Talarian Smart Sockets Briefin : Aplicação ao NGIN View* . Aveiro, Portugal : PT - Inovação(), Set. 2001 p.
- OLIVEIRA, Miguel - *Agentes Inteligentes de Software* . Aveiro, Portugal : Instituto de Telecomunicações(), Abr. 1999 p.
- OLIVEIRA, Miguel - *Publicação de documentos num servidor Web* . Aveiro, Portugal : Instituto de Telecomunicações(), Fev. 1999 p.
- OLIVEIRA, Miguel - *eXtensible Markup Language (XML) : Conceitos, Aplicações e I&D* . Aveiro, Portugal : Universidade de Aveiro(), Dez. 1999 p.
- OLIVEIRA, Miguel ; LEMOS, Manuel - *Estado da Arte dos Agentes de Software* . Aveiro, Portugal : Instituto de Telecomunicações(), Jun. 1998 p.

### Masters essay

OLIVEIRA, Fernando Miguel Rocha de - *The search of information in telecom networks* . Aveiro, Portugal . 2003. 176 p.. Portuguese text. supervisors: DUARTE, Aníbal Manuel de Oliveira


### PhD Thesis

OLIVEIRA, Fernando Miguel Rocha de - *Conception, Development and Integration of Learning Roadmaps for Highuer Education*. Aveiro, PT . 2010. 214 p.. Portuguese text. supervisors: SERRANO, José Artur Ferreira da Silva e Vale

**Teaching text**

- OLIVEIRA, Miguel - Animação Interactiva para a Internet : Guia de Estudo . Portugal : , Unave . Fev. 2004 p.
- OLIVEIRA, Miguel - Internet : Guia de Estudo . Portugal : , Unave[] . Maio 2000 p.

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Miguel Oliveira