

EUROPEAN CURRICULUM VITAE FORMAT



PERSONAL INFORMATION

Name **Pedro Manuel Rangel Santos HENRIQUES**
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Homepage **<http://www.di.uminho.pt/~prh>**
Nationality **Portuguese**
Date of birth **30, June, 1955**

WORK EXPERIENCE

- Assoc. Prof. *Dates: since 1996 (nomeação definitiva, 2001)*
Employer: University of Minho, Portugal
Sector: Dept. of Informatics
Position held: Associate Professor
Main activities: teaching & research
- Aux. Prof. *Dates: 1993-1996*
Employer: University of Minho, Portugal
Sector: Dept. of Informatics
Position held: Auxiliary Professor
Main activities: teaching & research
- Lecturer *Dates: 1981-93*
Employer: University of Minho, Portugal
Sector: Dept. of Informatics & Control
Position held: Assistant lecturer
Main activities: teaching & research
- Group leader *Dates: since 1994*
Employer: University of Minho, Portugal
Sector: Language Processing group (gEPL)
Position held: Group leader
Main activities: management & research

EDUCATION AND TRAINING

- Agreg *Year: 2012*
Academic degree: Habilitation (Agregação) in Computer Science
Institution: Dept. of Informatics, University of Minho, PT
- Ph.D. *Year: 1993*
Academic degree: Philosophy Doctor in Computer Science
Institution: Dept. of Informatics, University of Minho, PT

• M.Sc. *Year: 1984*
Academic degree: Master of Science in Computer Science (PAPCC examination – M.Sc. equivalent)
Institution: Dept. of Informatics, University of Minho, PT

• Lic. *Year: 1977*
Academic degree: Licenciatura
Institution: Dept. Electrotechnical Engineering, University of Porto, PT

TECHNICAL SKILLS

- Domain of specialization Computer science (Compilers)
- Areas of research Formal Languages Processing, Programming Paradigms, Methods and Languages, Data Analysis and Knowledge Extraction.
- Current research Compiling methods, techniques and tools, Program Comprehension, Visualization and Animation, Data Cleaning (Data Mining preparation).

PH.D. SUPERVISION

- Leandro Oliveira Freitas *Subject: Uncertainty Handling in Context-Aware systems*
Co-supervisor: Prof. Paulo Novais(UM)
Institution: U. Minho (PDInf Program)
Date: 2018-... .
- Ricardo Alexandre Martins *Subject: Emotional state detection through text analysis, an approach to provide better life quality*
Co-supervisor: Prof. Paulo Novais(UM)
Institution: U. Minho (PDInf Program)
Date: 2018-... .
- Ricardo Giuliani Martini *Subject: Formal Description and Automatic Generation of Learning Spaces based on Ontologies*
Co-supervisor: Prof. Giovanni R. Librelotto (UFMS)
Institution: U. Minho (PDInf Program)
Date: 2014-... .
- Paula Correia Tavares *Subject: O Impacto da Animação e Visualização no Ensino da Programação*
Co-supervisor: Prof. Elsa Ferreira Gomes (ISEP)
Institution: U. Minho (PDInf Program)
Date: 2013-2018.
- Daniela C. da Cruz *Subject: Verification, Slicing and Visualization of Programs with Contracts*
Co-supervisor: Prof. Jorge Sousa Pinto (UM)
Institution: U. Minho (MAP-i Program)
Date: 2007-2011.
- Mario M. Berón *Subject: Program Inspection to interconnect the Behavioral and Operational Views for Program Comprehension*
Co-supervisor: Prof. Roberto Uzal
Institution: U. Nacional San Luis + U. Minho (Alpha LERNet project)
Date: 2006-2009.

- Paulo J. Oliveira *Subject:* Data Quality Problems in Databases: Detection and Correction
Co-supervisor: Prof. Fátima Rodrigues (ISEP / IPP)
Institution: U. Minho
Date: 2003-2009.

- Gustavo V. Arnold *Subject:* Automatização da Geração de Código para Robôs Industriais diversos
Co-supervisor: Prof. Jaime Fonseca (UM)
Institution: U. Minho
Date: 2002-2008.

- Giovanni R. Librelotto *Subject:* Topic Maps, da Sintaxe à Semântica
Co-supervisor: Prof. José Carlos Ramalho (UM)
Institution: U. Minho
Date: 2001-2005.

- Paulo J. Matos *Subject:* Um Modelo Arquitectónico para Desenvolvimento de Compiladores: aplicação à Framework Dolphin
Institution: U. Minho
Date: 2000-2005.

- Maria João Varanda Pereira *Subject:* Sistematização da Animação de Programas
Institution: U. Minho
Date: 1998-2003.

- Jorge G. Rocha *Subject:* Informação Geográfica: Meta-Informação, Codificação e Visualização
Institution: U. Minho
Date: 1997-2005.

- José João Almeida *Subject:* Dicionários Dinâmicos Multi-fonte
Institution: U. Minho
Date: 1997-2003.

- Fátima C. Rodrigues *Title of thesis:* Arquitectura Heterogénea para Extracção de Conhecimento a partir de Dados
Institution: U. Minho
Co-supervisor: Prof. Carlos Ramos (ISEP / IPP)
Date: 1997-2000.

- José Carlos Ramalho *Title of thesis:* Anotação Estrutural de Documentos e sua Semântica
Institution: U. Minho
Date: 1995-2000.

PROGRAM COMMITTEES

CHAIR PERSON

- SLATe'2018 *7th International Symposium on Languages, Applications and Technology,* Guimarães/Portugal, June 2018.

- WAPL'2017 *6.th Workshop on Advances in Programming Languages,* Prague, Czech Republic, September, 2017.

- RAISE'2012 Co-chair of 1st Int. Workshop on *Realizing AI Synergies in Software Engineering,* Zurich, Switzerland, June 2012.

- ICPC'2010 General-Chair of 18th IEEE Int. Conference on *Program Comprehension;* Braga, July 2010.

- CoRTA'2010 Chair of 4th Int. Workshop on *Compiler and Related Technologies and Applications;* Braga, Sept. 2010.

- CoRTA'2008 Co-chair of 2nd Int. Workshop on *Compiler and Related Technologies and Applications*; Bragança, July 2008.
 - CoRTA'2007 Co-chair of 1st Int. Workshop on *Compiler and Related Technologies and Applications*; Covilhã, July 2007.
 - CTNET'2006 Co-chair of 2nd Int. Workshop on *Compiler related Technologies for the .NET platform*; Covilhã, April 2006.
 - SIA2D'2004 Co-chair of 1st Int. Workshop on *Sistemas de Informação para a Análise de Dados Demográficos*, Granada/Spain, April 2004; co-located with ADEH'2004 (*VII Congresso Ibérico de Demografia Histórica*).
 - WAGA'2000 Co-chair of 3rd Workshop on *Attribute Grammars and their Applications*, Ponte do Lima, July 2000; co-located with MPC'2000.
 - WDavid'1996 Program chair and organizer of the Workshop *David: Algebraic Document Processing*, Braga, September 1996.
 - WoLP'1993 Program chair and organizer of the Workshop on *Language Processing: OO-approaches and Parallelism*, Braga, October 1993.
- COMMITTEE MEMBER**
- SAC'2019-PL ACM-SIGAPP *Symposium on Applied Computing – Technical Track on "Programming Languages"*, Cyprus, April 2019.
 - ICAART'2019 *11th. International Conference on Agents and Artificial Intelligence*, January 2019.
 - BICT'2019 *11th EAI International Conference on Bio-inspired Information and Communications Technologies*, Pittsburgh, Pennsylvania, USA, April, 2019.
 - SAC'2018-PL ACM-SIGAPP *Symposium on Applied Computing – Technical Track on "Programming Languages"*, April 2018.
 - LATA'2018 *12th International Conference on Language and Automata Theory and Applications*, Bar-Ilan University/Israel, April 2018.
 - ICSOFT'2018 *13th International Conference on Software Engineering*, 2018.
 - WIReS'2018 *Workshop on Intelligent Recommendation Systems*, organized in the scope of the CISTI 2018 - 13th Iberic Conference on Information Systems and Technologies, Cáceres, Spain, June, 2018.
 - ICAART'2018 *10th. International Conference on Agents and Artificial Intelligence*, January 2018.
 - PAAMS'2018-DeMaDIE *15th Int. Conf. on Practical Applications of Agents and Multi-agents Systems — 3rd Decision Making in Dynamic Information Environments (DeMaDIE)*, Toledo/Spain, June 2018.
 - MDASD'2018 *5th Workshop on Model Driven Approaches in System Development*, Poland, September 2018.
 - SAC'2017-PL ACM-SIGAPP *Symposium on Applied Computing – Technical Track on "Programming Languages"*, Marrakech, Marocco, April 2017.
 - SLATe'2017 *6th International Symposium on Languages, Applications and Technology*, Vila do Conde/Portugal, June 2017.

- SCLIT'2017 *7th Symposium on Computer Languages, Implementation and Tools*, Greece, September 2017.
- ICSoft'2017 *12th International Conference on Software Engineering*, Lisboa, Portugal, 2017.
- BICT'2017 *The 10th EAI International Conference on Bio-inspired Information and Communications Technologies (formerly BIONETICS)*, New Jersey, USA, March 2017.
- IDEAS'2017 *20th International Database Engineering & Applications Symposium*, Canada, July 2017.
- ICAART'2017 *9th. International Conference on Agents and Artificial Intelligence*, January 2017.
- SAC'2016-PL *ACM-SIGAPP Symposium on Applied Computing – Technical Track on "Programming Languages"*, Pisa - Italy, April 2016.
- SLATe'2016 *5th International Symposium on Languages, Applications and Technology*, Maribor/Slovenia, June 2016.
- SCLIT'2016 *6th Symposium on Computer Languages, Implementation and Tools*, Greece, September 2016.
- ICSoft-EA'2016 *11th International Conference on Software Engineering and Applications*, 2016.
- WorldCIST'2016-SHR *1st Workshop on Semantics for Humanities Resources co-located with 4th World Conference on Information Systems and Technologies*, Recife - Brazil, March 2016.
- MDASD'2016 *4rd Workshop on Model Driven Approaches in System Development*, Warsaw/Poland, September 2016.
- HistInformatics'2016 *4th International Workshop on Computational History – Mining and Harvesting Digital History*, Poland, July 2016.
- IDEAS'2016 *20th International Database Engineering & Applications Symposium*, Canada, July 2016.
- ICAART'2016 *8th. International Conference on Agents and Artificial Intelligence*, January 2016.
- CAPSI'2017 *16th Conferência da Associação Portuguesa de Sistemas de Informação*, Portugal, October 2017.
- ICSME'2015 *31st IEEE International Conference on Software Maintenance and Evolution*, Sep/October 2015.
- SLATe'2015 *4th International Symposium on Languages, Applications and Technology*, Madrid/Spain, June 2015.
- WAPL'2015 *5.th Workshop on Advances in Programming Languages*, Poland, September 2015.
- SCLIT'2015 *5th Symposium on Computer Languages, Implementation and Tools*, Greece, September 2015.
- RAISE'2015 *4th Int. Workshop on Realizing AI Synergies in Software Engineering*, Florence/Italy, May 2015.
- ICSoft-EA'2015 *10th International Conference on Software Engineering and Applications*, 2015.
- IDEAS'2015 *19th International Database Engineering & Applications Symposium*, China, July 2015.

- ICAART'2015 *7th. International Conference on Agents and Artificial Intelligence*, Lisboa/Portugal, January 2015.
- EPIA'2015 *General AI (GAI) track at the International Conference of Artificial Intelligence in Portugal*, Coimbra/Portugal, September 2015.
- HD'2015 *1ª Conferência de Humanidades-Digitais'2015*, Lisboa/Portugal, November 2015.
- CAPSI'2015 *15ª Conferência da Associação Portuguesa de Sistemas de Informação*, Lisboa/Portugal, October 2015.
- VideoJogos'2015 *7ª Conferência de Ciências e Artes dos Videojogos*, Coimbra/Portugal, November 2015.
- ICSME'2014 *30th IEEE International Conference on Software Maintenance and Evolution*, Victoria/Canada, October 2014.
- SLATe'2014 *3rd International Symposium on Languages, Applications and Technology*, Bragança/Portugal, June 2014.
- SCLIT'2014 *4th Symposium on Computer Languages, Implementation and Tools*, Greece, September 2014.
- ICSOFT-EA'2014 *9th International Conference on Software Engineering and Applications*, Viena/Austria, August 2014.
- IDEAS'2014 *18th International Database Engineering & Applications Symposium*, Porto/Portugal, July 2014.
- MDASD'2014 *3rd Workshop on Model Driven Approaches in System Development*, Warsaw/Polonia, September 2014.
- BICT'2014 *The 8th International Conference on Bio-inspired Information and Communications Technologies — AI and Software Engineering (AISE) Track*, Boston, December 2014.
- ICAART'2014 *6th. International Conference on Agents and Artificial Intelligence*, Angers/France, March 2014.
- HistInformatics'2014 *2nd International Workshop on Computational History – Mining and Harvesting Digital History*, Barcelona/Spain, November 2014.
- KDO'2014 *2nd. Workshop on Knowledge Discovery in Ontologies*, Warsaw/Poland, August 2014.
- CAPSI'2014 *14ª Conferência da Associação Portuguesa de Sistemas de Informação*, Santarém/Portugal, October 2014.
- VideoJogos'2014 *6ª Conferência de Ciências e Artes dos Videojogos*, Barcelos/Portugal, November 2014.
- ICSM'2013 *29th IEEE International Conference on Software Maintenance*, Eindhoven/The Netherlands, September 2013.
- RAISE'2013 *2nd Int. NFS sponsored Workshop on Realizing AI Synergies in Software Engineering*, San Francisco/USA, May 2013.
- SAC'2013-PL *ACM-SIGAPP Symposium on Applied Computing – Technical Track on "Programming Languages"*, Coimbra/Portugal, March 2013.
- SLATe'2013 *2nd Symposium on Languages, Applications and Tools*, Porto/Portugal, June 2013.

- SCLIT'2013 *3rd Symposium on Computer Languages, Implementation and Tools*, Greece, September 2013.
- WAPL'2013 *4.th Workshop on Advances in Programming Languages*, Poland, September 2013.
- KDO'2013 *First Workshop on Knowledge Discovery in Ontologies*, Atlanta/USA, November 2013.
- Informatics'2013 *12th International Scientific Conference on Informatics*, Slovakia, November 2013.
- Histoinformatics'2013 *1st International Workshop on Histoinformatics – "Mining and Harvesting Digital History"*, Kioto/Japan, November 2013.
- ICAART'2013 *International Conference on Agents and Artificial Intelligence*, January 2013.
- SDIA'2013 *Doctoral Symposium of the Portuguese Association for Artificial Intelligence*, Açores/Portugal, September 2013.
- EPIA'2013 *General AI track & Special track Challenges*, Açores/Portugal, September 2013.
- CAPSI'2013 *13ª Conferência da Associação Portuguesa de Sistemas de Informação*, Évora/Portugal, October 2013.
- Interação'2013 *5ª Conferência Nacional sobre Interação*, Vila-Real/Portugal, November 2013.
- SAC'2012-PL *ACM-SIGAPP Symposium on Applied Computing – Technical Track on "Programming Languages"*, Italy, March 2012.
- SAC'2012-DE *ACM-SIGAPP Symposium on Applied Computing – Technical Track on "Document Engineering"*, Italy, March 2012.
- ICAART'2012 *International Conference on Agents and Artificial Intelligence*, Portugal, January 2012.
- SLATe'2012 *1st Symposium on Languages, Applications and Tools*, Braga/Portugal, June 2012.
- SCLIT'2012 *2nd Symposium on Computer Languages, Implementation and Tools*, Greece, September 2012.
- MDASD'2012 *2nd Workshop on Model Driven Approaches in System Development* a satellite event of *FedCISC'2012*, Poland, September 2012.
- CSE'2012 *International Scientific Conference on Computer Science and Engineering*, Stará-Lesná/Slovakia, September 2012.
- BCI'2012 *5th Balkan Conference in Informatics*, Novi-Sad/Serbia, September 2012.
- ICPC'2011 *19th IEEE International Conference on Program Comprehension*, Canada, June 2011.
- SCAM'2011 *11th IEEE International Working Conference on Source Code Analysis and Manipulation*, USA, September 2011.
- SAC'2011-PL *ACM-SIGAPP Symposium on Applied Computing – Technical Track on "Programming Languages"*, Taiwan, March 2011.
- WAPL'2011 *3.nd Workshop on Advances in Programming Languages*, Poland, September 2011.
- SCLIT'2011 *Symposium on Computer Languages, Implementation and Tools*, Greece, September 2011.

- CoRTA'2011 4th Int. Workshop on *Compiler and Related Technologies and Applications*; Portugal, September 2011.
- EPIA'2011 Bi-Annual Conference of the *Portuguese Association for Artificial Intelligence*, Lisboa, October 2011.
- ICAART'2011 *International Conference on Agents and Artificial Intelligence*, latly, January 2011.
- SAC'2010-PL ACM-SIGAPP *Symposium on Applied Computing – Technical Track on "Programming Languages"*, Switzerland, March 2010.
- SAC'2010-DE ACM-SIGAPP *Symposium on Applied Computing – Technical Track on "Document Engineering"*, Switzerland, March 2010.
- BIONETICS'2010 *The 5th Int. Conference on Bio-Inspired Models of Network, Information and Computing Systems, a AI and Software Engineering (AISE) Track*, Boston, December 2010.
- ADBIS'2010 *14th East-European Conference on Advances in Databases and Information Systems*, Novi Sad, September 2010.
- MDASD'2010 *1st Workshop on Model Driven Approaches in System Development* a satellite event of ADBIS'2010, Novi Sad, September 2010.
- ICAART'2010 *International Conference on Agents and Artificial Intelligence*, Spain, January 2010.
- EPIA'2009 Bi-Annual Conference of the *Portuguese Association for Artificial Intelligence*, Aveiro, October 2009.
- WAPL'2009 *2.nd Workshop on Advances in Programming Languages*, Mragowo/Poland, October 2009.
- CoRTA'2009 3rd Int. Workshop on *Compiler and Related Technologies and Applications*; Lisboa, September 2008.
- SAC'2008-PL ACM-SIGAPP *Symposium on Applied Computing – Technical Track on "Programming Languages"*, Brasil, March 2008.
- SAC'2008-DE ACM-SIGAPP *Symposium on Applied Computing – Technical Track on "Document Engineering"*, Brasil, March 2008.
- CSE'2008 International Scientific Conference on *Computer Science and Engineering*, Stará-Lesná/Slovakia, September 2008.
- EPIA'2007 Bi-Annual Conference of the *Portuguese Association for Artificial Intelligence*, Guimarães, December 2007.
- WAPL'2007 *1.st Workshop on Advances in Programming Languages*, Wisla/Poland, October 2007.
- ETAPS'2007 *10th European Joint Conferences on Theory and Practice of Software*, Braga, March 2007.
- GTTSE'2005 1st International Summer School on *Generative and Transformational Techniques in Software Engineering*, Braga, July 2005.
- ICKDES'2004 1st Int. Conference on *Knowledge Engineering and Decision Support*, Porto, July 2004.
- CINTEC'2001 Int. Conference on *New Technologies in Science Education*, Aveiro, July 2001.
- MPC'2000 5th Int. Conference on *Mathematics of Program Construction*, Ponte do Lima, July 2000.

- SIA'1999 1st Workshop on *Archaeologic Information Systems: GIS applied to Archeology*, Vila Real, Set. 1999; co-located with CAP'1999 (*3.º Congresso de Arqueologia Peninsular*).
- AFP'1998 3rd International Summer School on *Advanced Functional Programming*, Braga, September 1998.
- WDavid'1996 Workshop *David: Algebraic Document Processing*, with 3 British specialists in SGML/TEI, DSSSL, LaTeX, Braga, September 1996.
- WoLP'1993 Workshop *Language Processing: OO-approaches and Parallelism*, with 3 foreign invited speakers, Braga, October 1993.
- XATA National Conference on *XML and Associated Technologies and Tools*, since 2003.
- CAPSI Annual Conference of the *Portuguese Association for Information Systems*, since 2000.
- CNPLf *National Annual Logic & Functional Programming Contest*, 1998-2007.
- MIUP-TIUP *National Imperative Programming Contests*, 2000-2008.

PARTICIPATION IN RESEARCH PROJECTS

- NoviBraga *Data-Mining based evaluation of IT teaching practices in Portugal and Serbia*; bilateral Serbia-Portugal joint-research project supported by FCT (Departamento das Relações Europeias, Bilaterais e Multilaterais); 2018-2019.
- S3IR *Reforço da segurança dos sistemas de software através de métodos, técnicas e ferramentas de engenharia reversa*; bilateral Argentina-Portugal joint-research project supported by FCT (Departamento das Relações Europeias, Bilaterais e Multilaterais); 2018-2019.
- CetrO+Spec *Construction, Exploration and Transformation of Learning Object Repositories in Specialized Domains (Creación, Exploración y Transformación de Repositorios de Objetos Educativos en Dominios Especializados)*; Spanish Research Project (funded by Ministry of Education, proc. TIN2017-88092-R) – team leader: Professor José Luis Sierra Rodríguez, Universidad Complutense de Madrid; collaborator; 2018-2020.
- RedR+Human *Repositories for Education with Dynamic Reconfigurability in the Humanities*; Spanish Research Project (funded by Ministry of Education) – team leader: Professor José Luis Sierra Rodríguez, Universidad Complutense de Madrid; collaborator; 2015-2017.
- QUIXOTE *Desenvolvimento de modelos do domínio do problema para inter-relacionar as vistas operacional e comportamental em sistemas de software*; bilateral Argentina-Portugal joint-research project supported by FCT (Departamento das Relações Europeias, Bilaterais e Multilaterais); team leader; 2010-2011.
- AsCoP *Assessing Comprehension of Domain Specific Programs*; bilateral Slovenia-Portugal joint-research project supported by FCT (Departamento das Relações Europeias, Bilaterais e Multilaterais); team leader; 2010-2011.

- HERMES *Aprendizagem e Povoamento de Ontologias a partir de Fontes Textuais;*
bilateral Brasil-Portugal joint-research project supported by *Programa CAPES-FCT2009*
(Departamento das Relações Europeias, Bilaterais e Multilaterais);
2010-2012.
- CROSS *An Infrastructure for Certification and Re-engineering of Open Source Software;*
supported by FCT (under contract PTDC/EIA-CCO/108995/2008);
2010-2012.
- Matisse *MathIS - Reinigorating Mathematics for the Information Society;*
supported by FCT (under contract PPTDC/EIA/73252/2006);
2009-2011.
- DSLpc *Program Comprehension for Domain Specific Languages;*
bilateral Slovenia-Portugal joint-research project supported by FCT (Departamento das
Relações Europeias, Bilaterais e Multilaterais);
team leader; 2008/2009.
- PCVIA *Program Comprehension by Visual Inspection and Animation;*
supported by FCT (POSI/EIA/57662/2004);
team leader; 2005-2007.
- Voda *Grammar-based Systems;*
bilateral Slovenia-Portugal joint-research project supported by GRICES;
team leader; 2004-2006.
- AGiL *Automatic Generation of Language-based Tools;*
bilateral Slovenia-Portugal joint-research project supported by ICCTI;
team leader; 2001-2003.
- Fasti *Fasti Ecclesiae Portugaliae, estudo prosopográfico do Clero Catedralício Português na
Idade Média;*
supported by FCT;
team leader; 2003-2006.
- MetaMedia2 *Metadata for the Preservation and Retrieval of Multimedia Components;*
supported by FCT (programa PRAXIS);
team leader; 2000/2002.
- MetaMedia1 *Metadata for Multimedia Archives;*
supported by FCT (programa PRAXIS);
team leader; 1999-2000.
- MRP-C *Portugal, país de mortalidade excepcionalmente favorável? Aprofundamento
micro-analítico;*
supported by FCT (programa PRAXIS);
team leader; 2006-2007.
- MRP-B *Informatização Normalizada de Arquivos: Reconstituição de Paróquias e História das
Populações - fase II;*
supported by FCT (programa PRAXIS);
team leader; 2001-2004.
- MRP-A *Informatização Normalizada de Arquivos: Reconstituição de Paróquias e História das
Populações;*
supported by FCT (programa PRAXIS);
team leader; 1999-2001.
- OOF *Object-Oriented Frameworks: applications and support;*
JNICT/British-Council Coop. Protocol;
team leader; 1997-1998.

- LePAForM *Language and Environments for the Pragmatic Application of Formal Methods;* JNICT/British-Council Coop. Protocol; team leader; 1995-1997.
- GelRA *Information System supporting the Portuguese heritage;* supported by INTERREG II; team leader; 1996-1999.
- David *Algebraic Specification of Documents;* JNICT, PBIC/TIT/2479/95; (project coordinator); project coordinator; 1996-1998.
- Sara *Visual Programming: Definition, Applications, Environments;* JNICT, PBIC/TIT/2481/95; (project coordinator); project coordinator; 1996-1998.

(COORDINATION OF) DEVELOPMENT PROJECTS

- GreenSSCM *Green Software for Space Control Mission – optimization of energy consumption via software,* in cooperation with VisionSpace, supported by Adl, 2013-2015.
- SIGON.2 *Sistema de Informação para a Gestão da Operação Norte 2 —an information system to ON.2 (O Novo Norte)— a financial instrument which supports regional development in the north of Portugal,* in cooperation with CCRN, 2007/2008.
- IntegraSTC *Compilador e Máquina Virtual para a linguagem de programação de controladores ST segundo a norma IEC,* in cooperation with Efacec, 2006.
- SIME *The Information System for the Emigration virtual Museum (MEC),* in cooperation with Casa da Cultura da Câmara Municipal de Fafe, 2003-...
- SIEP *An web-based Information System to support the Prosopographic study of portuguese medieval priests, in the context of the “Fasti Ecclesiae Portugaliae” FCT project.,* 2002-2004.
- IPSb *Análise de Requisitos para o Instituto Português do Sangue,* in cooperation with IPS (Ministério da Saúde), 2002/2003.
- IPSa *Verificação de Software para o Instituto Português do Sangue: validação da aplicação ASIS,* in cooperation with IPS (Ministério da Saúde), 1999-2000.
- SDT *Sistema de Suporte ao Desenvolvimento para Telecomunicações, um Compilador para a linguagem SDL 2000,* in cooperation with Adl (Agência portuguesa de Inovação) via CDFTel, 1999/2000.
- npMP *Núcleo Português do Museu da Pessoa, A Virtual Museum to collect, process and expose individual “Life Stories”,* in cooperation with Museu da Pessoa de São Paulo – Brasil, 1998-2005.

TALKS/TUTORIALS

- UCM *Languages, Ontologies and automatic Grammar generation,* UCM Doctoral Program in Informatics, UCM/Madrid, 2016.Jul.12.
- IMG *Perspectiva de Informática na colaboração em projetos das Humanidades—que diálogos?,* Workshop Idade Média Digital, IEM/FCSH-UNL, 2014.Sep.26.

- Webinar

Organização e Representação da Informação (Arquivos, Bibliotecas e Museus),
Webinar BAD, 2013.May.07.

Summary publication at:

<http://www.bad.pt/noticia/2013/11/04/>

[organizacao-e-representacao-da-informacao-ontologias-como-motor-da-web-semantic/](http://www.di.uminho.pt/~prh/palUBI04.ppt).

- palUBI04

Maratonas de Programação e outros Desafios Lúdicos baseados em computador: o seu papel no ensino,

UBI/Covilhã, 2004.Mar.02.

presentation available at:

www.di.uminho.pt/~prh/palUBI04.ppt.

PUBLICATIONS

THESIS AND DISSERTATIONS

- Hen11a
- Hen92b

BOOKS OR BOOK CHAPTERS

- RH02
- Araujo:2018a
- Martini2018a
- Martins2018a
- Azevedo2018a
- Freitas2018a
- Caldas2018a
- Martini2016a
- Martini2016b
- RCHS2015
- POCH2015
- FCHG12b
- FHG12a
 - CH09
- LHD08
- ORH06
- RRH02

PROCEEDINGS EDITOR

- ICPC2010
- AFP1999

INTERNATIONAL JOURNALS

- AMH18b
- Martini:2017:ACM
 - Rangel2017
 - Rangel2016a
 - Rangel2016b
- Martini:2016:KES
 - Pereira2016
- Martini2016c

- MAH16b
- CHC2015
- SanchezOBH15
- CarvalhoAHP15
 - BHP2012a
 - RCH2012a
 - CH2011a
 - ORH2011
- LVOCH2011
 - ACHP2011
- OPHCC2010
- KOMPCCH2010
 - CBHP09
 - LARH09
 - PMCH08j
 - CHV08ja
 - FPCH08jb
 - CHV07
 - GDH06
 - GRH06
 - RMHCV06
 - RMHV06
- HVMLGW05
 - KMHVZ04
 - GRH04
 - JGRH04
 - JGRH03
 - RAH98
 - RARH98
 - BH98

NATIONAL JOURNALS

- MAH16a
- ABHP15

INTERNATIONAL CONFERENCES

- TGH2018a
- Martini2018b
- Martins2018b
- ISI:000417412800105
 - Ramos:2017a
 - THG2017a
 - THG2017b
 - Malheiro:2017a
 - Barros:2017a
 - Caldas:2017a
 - Lara:2017a
 - NPH2016a
 - Araujo:2016a
 - TGHP2016
 - THG2016a
 - MHC2015

- DGH2015
- THG2015a
- THG2015b
- MHL2015a
- RCHS2014
 - CAVH14a
- FBOCGH14a
- pereira:14:4558
- carvalho:14:4563
- martins:14:4566
- fonseca:14:4561
- carvalho:14:4556
 - CruzHP13
- BMRHD2013
- VilasBoas:2013uj
 - FCGH13a
 - POCH13a
- MBMPH13a
- FBCGH12a
 - LBH12a
- PBCOH12a
 - CAPH12a
 - CCH12a
- OPGH12a
- RCH2011
- CHP2010f
- CHP2010e
- CHP2010d
- CHP2010c
- CHP2010b
- CHP2010a
 - CH2010a
- ORHB10a
- LVOCH10a
 - BUHV10a
- OPCH09a
- oliveira09b
- oliveira09c
 - kosar09
- BHVU09
 - CHP09a
 - CH09d
- CHP08i
- FCHV08
- BHVU08
- BUHV08
- LRHGT08
 - GFH08
- CPH07f
 - CH07g
 - CH07h
- LPRH07

- GH07a
- GH07b
- BHVU06a
- BHVU06b
- BHVUM06
- RMHVC06
- HKMVZ03
 - VH03
 - VH02
 - VH01
 - AH98
- Hen89a

NATIONAL CONFERENCES

- FCH11a
- ASHC11a
- CSAHV11a
- CCKMHVCO11a
 - CCH11a
 - FCGH10a
- FCCGH10a
 - ORH10a
 - CHP10g
 - alsCH10a
 - ASHC10a
- LCPHea10a
 - OHCP09
 - OPHC09a
 - OPHCC09
- MKCHCPO09
- FCHGD09b
- FCHGD09a
 - LPH09a
 - ORH09a
- PMCH08e
 - CPH08c
 - CHP08a
 - FH08
- BCVHU08
 - FGH08
- LGFSSAH08
- LMMVRH08
- CFPBH07d
 - CH07d
 - CLH07c
 - CH07a
- LPRH07
 - BHV06
 - OHV06
 - OVH05

TECHNICAL REPORTS

- FGCH2010a
- CCH2010a
- FVOH2010a

TEACHING MATERIAL

- AH:17a
- AH:17b
- AH:17c
- AH:17d
- AH:17e
- AH:17f
- AH:17g
- AH:17h
- AH:17i
- AH:16a
- Hen92a
- Hen91c
- Hen91a

PERSONAL SKILLS AND COMPETENCIES

- Mother tongue Portuguese
- Other languages English and French
- Membership in Associations Member of the *Portuguese Association for Artificial Intelligence*, APPIA; President of the Coordination Board for 2006-2007, 2008-2009, and 2010-2011.