

EUROPEAN CURRICULUM VITAE FORMAT



PERSONAL INFORMATION

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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: 1993-2001*
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

- 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, Portugal

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

- 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.
- 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.

PH.D. CO-SUPERVISION

- Mario M. Berón *Subject: Cognitive Models to support the Comprehension of Routing Algorithms*
Co-supervisor: Prof. Roberto Uzal
Institution: U. Nacional San Luis + U. Minho (Alpha LERNet project)
Date: 2006-2009.

PROGRAM COMMITTEES

CHAIR PERSON

- 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'04 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.

COMMITTEE MEMBER

- 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.
- 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*, since 2000.

PARTICIPATION IN RESEARCH PROJECTS

- 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 - Reinvigorating 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.
- GeIRA *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

- 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, 2007/2008.*

PUBLICATIONS

BOOKS OR BOOK CHAPTERS

- RH02 José Carlos Ramalho and Pedro Rangel Henriques.
XML & XSL: da teoria à prática.
Série Tecnologias de Informação ISBN-972-722-347-8. Editora FCA, 1st ed. edition, Oct 2002
- CH09 Daniela da Cruz and Pedro Rangel Henriques.
Advances in Computer Science and IT (D. M. Akbar Hussain, Ed.), chapter Slicing techniques to derive the User Interface Abstract Model, pages 249–276.
In-Teh, December 2009
- LHD08 Sandra Lopes, Pedro Rangel Henriques, and Paulo Dias.
Making concept maps available on the web to the students.
In António José Mendes, Isabel Pereira, and Rogério Costa, editors, *Computers and Education*, pages 179–188. Springer London, 2008.
10.1007/978-1-84628-929-3_18
- ORH06 Paulo Oliveira, Fátima Rodrigues, and Pedro Rangel Henriques.
Data cleaning by reusing domain knowledge.
In *Knowledge and Decision Technologies*, pages 67–74. ISBN: 972-8688-39-3, 2006
- RRH02 Fátima Rodrigues, Carlos Ramos, and Pedro Rangel Henriques.
Data reduction to improve knowledge extraction.
In J.Filipe, B.Sharp, and Miranda, editors, *Enterprise Information Systems III*, pages 137–145. Kluwer Academic Publishers, 2002

PROCEEDINGS EDITOR

- ICPC2010 Giuliano Antoniol, Keith Gallagher, and Pedro Rangel Henriques, editors.
18th IEEE International Conference on Program Comprehension (ICPC2010), Washington, DC, USA, June 2010. IEEE Computer Society, Conference Publishing Services (CPS)
- AFP1999 Doaitse Swierstra, Pedro Rangel Henriques, and José Nuno Oliveira, editors.
Advanced Functional Programming, volume Lecture Notes in Computer Science (LNCS) – 1608, Berlin, 1999. Springer-Verlag GmbH

INTERNATIONAL JOURNALS

- DBLP:journals/jucs/CruzH11 Daniela Carneiro da Cruz and Pedro Rangel Henriques.
Visualizing and analyzing the Quality of XML Documents.
J. UCS, 17(1):126–150, 2011
- ORH2011 Nuno Oliveira, Nuno Rodrigues, and Pedro Rangel Henriques.
Domain-Specific Language for Coordination Patterns.
ComSIS – Computer Science and Information Systems Journal, (special issue on Advances in Formal Languages, Modeling and Applications), 8(2):343–359, May 2011
- LVOCH2011 Ivan Lukovic, Maria João Varanda Pereira, Nuno Oliveira, Daniela da Cruz, and Pedro Rangel Henriques.
A DSL for PIM Specifications: Design and Attribute Grammar based implementation.
ComSIS – Computer Science and Information Systems Journal, (special issue on Advances in Formal Languages, Modeling and Applications), 8(2):379–403, May 2011

- ACHP2011 Sérgio Areias, Daniela da Cruz, Pedro Rangel Henriques, and Jorge Sousa Pinto.
GamaPolarSlicer.
ComSIS – Computer Science an Information Systems Journal, (special issue on Advances in Formal Languages, Modeling and Applications), 8(2):477–499, May 2011
- CHP2011a Daniela da Cruz, Pedro Rangel Henriques, and Jorge Sousa Pinto.
Assertion-based Slicing and Slice Graphs (*extended version*).
Formal Aspects of Computing, 2011.
to appear
- CHP2011b Daniela da Cruz, Pedro Rangel Henriques, and Jorge Sousa Pinto.
Verification Graphs for Programs with Contracts.
submitted to Journal of Logic and Algebraic Programming (JLAP), 2011.
to appear
- OPHCC2010 Nuno Oliveira, Maria João Varanda Pereira, Pedro Rangel Henriques, Daniela da Cruz, and Bastian Cramer.
Visuallisa: A visual environment to develop attribute grammars.
ComSIS – Computer Science an Information Systems Journal, Special issue on Advances in Languages, Related Technologies and Applications, 7(2):266 – 289, May 2010
- KOMPCCH2010 Tomaz Kosar, Nuno Oliveira, Marjan Mernik, Maria João Varanda Pereira, Matej Crepinsek, Daniela da Cruz, and Pedro Rangel Henriques.
Comparing general-purpose and domain-specific languages: An empirical study.
ComSIS – Computer Science an Information Systems Journal, Special issue on Advances in Languages, Related Technologies and Applications, 7(2):248 – 264, May 2010
- CBHP09 Daniela da Cruz, Mario Béron, Pedro Rangel Henriques, and Maria João Varanda Pereira.
Code inspection approaches for program visualization.
Acta Electrotechnica et Informatica, 9(3):32–42, Jul-Sep 2009.
ISSN: 1335-8243
- LARH09 Giovanni Rubert Librelotto, Renato Preigschadt de Azevedo, José Carlos Ramalho, and Pedro Rangel Henriques.
Topic maps constraint languages: understanding and comparing.
Int. Journal Reasoning-based Intelligent Systems, 1(3/4):173–181, Jun 2009.
ISSN:
- PMCH08j Maria João Varanda Pereira, Marjan Mernik, Daniela da Cruz, and Pedro Rangel Henriques.
Program comprehension for domain-specific languages (invited paper).
ComSIS – Computer Science an Information Systems Journal, Special Issue on Compilers, Related Technologies and Applications, 5(2):1–17, Dec 2008.
ISSN: 1820-0214
- CHV08ja Daniela da Cruz, Pedro Rangel Henriques, and Maria João Varanda.
Alma versus ddd.
ComSIS – Computer Science an Information Systems Journal, Special Issue on Compilers, Related Technologies and Applications, 5(2):119–136, Dec 2008.
ISSN: 1820-0214
- FPCH08jb Elisabete Ferreira, Rogério Paulo, Daniela da Cruz, and Pedro Rangel Henriques.
Integration of the ST language in a model-based engineering environment for control systems – an approach for compiler implementation.
ComSIS – Computer Science an Information Systems Journal, Special Issue on Compilers, Related Technologies and Applications, 5(2):87–101, Dec 2008.
ISSN: 1820-0214
- CHV07 Daniela da Cruz, Pedro Rangel Henriques, and Maria João Varanda.
Constructing program animations using a pattern-based approach.
ComSIS – Computer Science an Information Systems Journal, Special Issue on Advances in Programming Languages, 4(2):97–114, Dec 2007.
ISSN: 1820-0214
- GDH06 Alda Gançarski, Anne Doucet, and Pedro Henriques.
AG-based interactive system to retrieve information from XML documents.
IEE Software Journal, 153:51–60, Apr 2006
- GRH06 Giovanni Librelotto, José Carlos Ramalho, and Pedro Rangel Henriques.
Metamorphosis - a Topic Maps based environment to handle Heterogeneous Information Resources.
Lecture Notes in Computer Science (LNCS), 3873:14–25, 2006

- RMHCV06 Damijan Rebernak, Marjan Mernik, Pedro Rangel Henriques, Daniela da Cruz, and Maria João Varanda.
Specifying languages using aspect-oriented approach: Aspectlisa.
CIT – Journal of Computing and Information Technology, 14(4):343–350, Dec 2006
- RMHV06 Damijan Rebernak, Marjan Mernik, Pedro Rangel Henriques, and Maria João Varanda.
Aspectlisa: an aspect-oriented compiler construction system based on attribute grammars.
Electronic Notes in Theoretical Computer Science (ENTCS), 164(2):37–53, Oct 2006
- HVMLGW05 Pedro Henriques, Maria João Varanda, Marjan Mernik, Mitja Lenic, Jeff Gray, and Hui Wu.
Automatic generation of language-based tools using lisa system.
IEE Software Journal, 152(2):54–70, April 2005
- KMHVZ04 Tomaz Kosar, Marjan Mernik, Pedro Henriques, Maria João Varanda, and Viljem Zumer.
Grammatical approach to problem solving.
Informatica Journal, 28:393–404, 2004
- GRH04 Giovanni Librelotto, José Carlos Ramalho, and Pedro Rangel Henriques.
Tm-builder: An ontology builder based on XML topic maps.
CLEI Eletronic Journal, 7(2):4, 2004
- JGRH04 Marta Jacinto, Giovanni Librelotto, José Carlos Ramalho, and Pedro Rangel Henriques.
Xcsl tutorial.
Acm Crossroads, 8(5):5, 2004
- JGRH03 Marta Jacinto, Giovanni Librelotto, José Carlos Ramalho, and Pedro Rangel Henriques.
Xcsl: XML constraint specification language.
CLEI Eletronic Journal, 6:3, 2003
- RAH98 José Carlos Ramalho, José João Almeida, and Pedro Rangel Henriques.
Algebraic specification of documents.
TSC: Theoretical Computer Science, 199, Jun 1998
- RARH98 José Carlos Ramalho, José João Almeida, Jorge Gustavo Rocha, and Pedro Rangel Henriques.
Sgml documents: Where does quality go?
Mark-up Languages: theory and practice, 1(1), Nov 1998
- BH98 Leonor Barroca and Pedro Rangel Henriques.
A framework and patterns for the specification of reactive systems.
IST: Information and Software Technology, 1(40):135–142, 1998

NATIONAL JOURNALS

- GRH05a Giovanni Librelotto, José Carlos Ramalho, and Pedro Rangel Henriques.
Geração automática de interfaces web para sistemas de informação: Metamorphosis.
Sistemas de Informação, 17:53–72, 2005
- MSH05 Giovana Mendes, Nuno Alberto Silva, and Pedro Rangel Henriques.
Utilizando uma base de dados XML nativa aplicada ao tratamento de erros num sistema de logs.
Sistemas de Informação, 17:91–100, 2005
- RRH99 Fátima Rodrigues, Carlos Ramos, and Pedro Rangel Henriques.
An intelligent retail analysis system.
Sistemas de Informação, 10:7–16, Dec. 1999
- RH98a José Carlos Ramalho and Pedro Rangel Henriques.
Qualidade na publicação electrónica: como controlá-la?
Sistemas de Informação, 9:69–83, 1998
- ALHF02 Gustavo Arnold, Giovanni Librelotto, Pedro Rangel Henriques, and Jaime Fonseca.
O uso da linguagem rs em robótica.
Revista Electrónica e Telecomunicações, pages 501–508, Apr 2002

INTERNATIONAL CONFERENCES

- CHP2010f Daniela da Cruz, Pedro Rangel Henriques, and Jorge Sousa Pinto.
Contract-based slicing.
In Tiziana Margaria and Bernhard Steffen, editors, *Leveraging Applications of Formal Methods, Verification and Validation (ISoLA'2010–FLDVES track) LNCS- Lecture Notes in Computer Science*, volume 6415, pages 106–120, Creta, Greece, Oct 2010. Springer

- CHP2010e Sérgio Areias, Daniela da Cruz, Pedro Rangel Henriques, and Jorge Sousa Pinto.
Safe integration of annotated components in open source projects.
In Luis Barbosa, Antonio Cerone, and Siraj Shaikh (Guest Eds.), editors, *Pre-proceedings of the 4th International Workshop on Foundations and Techniques for Open Source Software Certification (OpenCert 2010) (Satellite Event of SEFM'10)*, pages 69–75, Pisa, Italy, Sept 2010. (UNU-IIST Report No. 439) United Nations University–International Institute for Software Technology)
- CHP2010d Daniela da Cruz, Pedro Rangel Henriques, and Jorge Sousa Pinto.
A tool to verify, slice and animate annotated components: Gamaslicer (tool-demo).
In *SEFM'10, Software Engineering and Formal Methods, Posters and Tool Demo Proceedings*, pages 20–23, Area della Ricerca CNR di Pisa, Via Moruzzi-1, Pisa, Italy, Sept 2010. Consiglio Nazionale delle Ricerche (CNR)
- CHP2010c Daniela da Cruz, Pedro Rangel Henriques, and Jorge Sousa Pinto.
Contract-based slicing.
In *FLACOS'10 — Fourth Workshop on Formal Languages and Analysis of Contract-Oriented Software (co-located with SEFM'10)*, Pisa, Italy, Sept 2010
- CHP2010b José Bernardo Barros, Daniela da Cruz, Pedro Rangel Henriques, and Jorge Sousa Pinto.
Assertion-based slicing and slice graphs.
In *SEFM'10 — 8th IEEE International Conference on Software Engineering and Formal Methods*, pages 93–102, Washington, DC, USA, Sept 2010. IEEE Computer Society, Conference Publishing Services (CPS)
- CHP2010a Daniela da Cruz, Pedro Rangel Henriques, and Jorge Sousa Pinto.
Gamaslicer: an online laboratory for program verification and analysis.
In *Proceedings of the Tenth Workshop on Language Descriptions, Tools and Applications, LDTA '10*, pages 3:1–3:8, New York, NY, USA, 2010. ACM
- CH2010a Daniela da Cruz and Pedro Rangel Henriques.
Exploring, visualizing and slicing the soul of XML documents.
In *Proceedings of 25th Symposium On Applied Computing - Document Engineering (SAC-DE)*, 2010
- ORHB10a Nuno Oliveira, Nuno Rodrigues, Pedro Rangel Henriques, and Luís Soares Barbosa.
Pattern language for architectural analysis.
In *SBLP 2010 14th Brazilian Symposium in Programming Languages*, volume 2, pages 167–180, Salvador, Brasil, Sep 2010. SBC: Brazilian Computer Society (ISSN: 2175-5922)
- LVOCH10a Ivan Lukovic, Maria João Varanda Pereira, Nuno Oliveira, Daniela da Cruz, and Pedro Rangel Henriques.
An attribute grammar specification of iis*case pim concepts.
In Mirjana Ivanovic, Bernhard Thalheim, Barbara Catania, and Zoran Budimac, editors, *Local Proceedings of the Fourteenth East-European Conference on Advances in Databases and Information Systems (ADBIS2010) – Model Driven Approaches in System Development (MDASD) Workshop – Novi Sad, Serbia*, pages 110–124. CEUR-Workshop Proceedings (<http://ceur-ws.org>), ISSN: 1613-0073, Sep 2010
- BUHV10a Mario Berón, Roberto Uzal, Pedro Rangel Henriques, and Maria João Varanda Pereira.
Estrategias para facilitar la comprensión de programas.
In RedUNCI UNLPaSJB, editor, *XII Workshop de Investigadores en Ciencias de la Computación (WICC 2010)*, Calafate, provincia de Santa Cruz, Argentina. Universidad Nacional de la Patagonia San Juan Bosco, May 2010
- OPCH09a Nuno Oliveira, Maria João Varanda Pereira, Daniela da Cruz, and Pedro Rangel Henriques.
Visualization of domain-specific programs' behavior.
In *Proceedings of VISSOFT'09 — 5th IEEE International Workshop on Visualizing Software for Understanding and Analysis, Edmonton, Canada*, pages 37 — 40. IEEE Computer Society, Sept 2009
- oliveira09b Nuno Oliveira, , Pedro Rangel Henriques, Daniela da Cruz, Maria João Varanda Pereira, Marjan Mernik, Tomaz Kosar, and Matej Crepinsek.
Applying program comprehension techniques to karel robot programs.
In *Proceedings of the International Multiconference on Computer Science and Information Technology – 2nd Workshop on Advances in Programming Languages (WAPL'2009)*, pages 697 — 704, Mragowo, Poland, October 2009. IEEE Computer Society Press

- oliveira09c Nuno Oliveira, Pedro Rangel Henriques, Daniela da Cruz, and Maria João Varanda Pereira. Visuallisa: Visual programming environment for attribute grammars specification. In *Proceedings of the International Multiconference on Computer Science and Information Technology – 2nd Workshop on Advances in Programming Languages (WAPL'2009)*, pages 689 – 696, Mragowo, Poland, October 2009. IEEE Computer Society Press
- kosar09 Tomaz Kosar, Marjan Mernik, Matej Crepinsek, Pedro Rangel Henriques, Daniela da Cruz, Maria João Varanda Pereira, and Nuno Oliveira. Influence of domain-specific notation to program understanding. In *Proceedings of the International Multiconference on Computer Science and Information Technology – 2nd Workshop on Advances in Programming Languages (WAPL'2009)*, pages 673 – 680, Mragowo, Poland, October 2009. IEEE Computer Society Press
- BHVU09 Mario Béron, Pedro Rangel Henriques, Maria João Varanda Pereira, and Roberto Uzal. Instrumentaciones de programas escritos en c para interrelacionar las vistas comportamental y operacional de los sistemas de software. In Argentina Universidad Nacional de Jujuy, editor, *CACIC'09 - XV Argentine Congress on Computer Science*, Oct 2009
- CHP09a Daniela da Cruz, Pedro Henriques, and Jorge Sousa Pinto. Code analysis: Past and present. In Luis Barbosa, Antonio Cerone, and Siraj Shaikh (Guest Eds.), editors, *Proceedings of the Third Int. Workshop on Foundations and Techniques for Open Source Software Certification (OpenCert 2009)*, volume X (2009). Electronic Communications of the EASST, March 2009. ISSN: 1863-2122
- CH09d Daniela da Cruz and Pedro Henriques. Assessing databases in .net: comparing approaches. In *ICEIS — 11th International Conference on Enterprise Information Systems*, Milan, Italy, May 2009
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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, and 2008-2009.