

# EUROPEAN CURRICULUM VITAE FORMAT



## PERSONAL INFORMATION

Name **Pedro Manuel Rangel Santos HENRIQUES**  
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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: Methods and Techniques to Analyze multi-level Code to explore software components*  
*Co-supervisor: Prof. Jorge Sousa Pinto (UM)*  
*Institution: U. Minho (MAP-i Program)*  
*Date: since 2007.*
- 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

- BIONETICS'2010-AI and software engineering Track *The 5th Int. Conference on Bio-Inspired Models of Network, Information and Computing Systems*, Boston, December 2010.
- 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.
- EPIA'2009 Bi-Annual Conference of the *Portuguese Association for Artificial Intelligence*, Aveiro, October 2009.

- WAPL'2009 | 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 | 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

- 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.
- 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

- 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
- 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

### INTERNATIONAL JOURNALS

- 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 Compilers, Related Technologies and Applications*, January 2010.  
to be published
- 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 Compilers, Related Technologies and Applications*, January 2010.  
to be published

- 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, Giovani 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*, (40):135–142, 1998

#### NATIONAL JOURNALS

- GRH05a Giovani 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
- 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, Giovani 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

- CHP2010a Daniela da Cruz, Pedro Rangel Henriques, and Jorge Sousa Pinto.  
GamaSlicer: an Online Laboratory for Program Verification and Analysis.  
In *LDTA2010 — Language Descriptions, Tools and Applications*, Paphos, Cyprus, March 2010
- 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*, 2010.  
to be published
- 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
- CHP08i Daniela da Cruz, Pedro Rangel Henriques, and Maria João Varanda Pereira.  
Strategies for program inspection and visualization.  
In *CSE — International Scientific Conference on Computer Science and Engineering, High Tatras - Stará Lesná, Slovakia*, September 2008
- FCHV08 Ruben Fonseca, Daniela da Cruz, Pedro Henriques, and Maria João Varanda Pereira.  
How to interconnect operational and behavioral views of web applications.  
In IEEE, editor, *ICPC'08 - 16th International Conference on Program Comprehension*. Amsterdam, Holanda, June 2008
- BHVU08 Mario Béron, Pedro Rangel Henriques, Maria João Varanda, and Roberto Uzal.  
Simplificando la comprensión de programas a través de la interconexión de dominios.  
In Argentina Universidad Nacional de Chilecito, La Rioja, editor, *CACIC'08 - XIV Argentine Congress on Computer Science, Universidad Nacional de San Luis, Argentina*, Oct 2008
- BUHV08 Mario Berón, Roberto Uzal, Pedro Rangel Henriques, and Maria João Varanda Pereira.  
Inspección de código para relacionar los dominios del problema y programa para la comprensión de programas.  
In RedUNCI UNLPam, editor, *X Workshop de Investigadores en Ciencias de la Computación (WICC 2008), La Pampa, Argentina*. Facultad de Ingeniería de la Universidad Nacional de la Pampa, May 2008
- LRHGT08 Giovani Rubert Librelotto, José Carlos Ramalho, Pedro Rangel Henriques, Jonas Bulegon Gassen, and Rogério Corrêa Turchetti.  
A framework to specify, extract and manage topic maps driven by ontologie.  
In *SIGDPC'08 – 26th ACM International Conference on Design of Communication*, Lisboa, Portugal, Sep 2008
- GFH08 Alda Gançarski, Flávio Xavier Ferreira, and Pedro Rangel Henriques.  
Using data together with metadata to improve xml information access.  
In *Proceedings of the 10th Int. Conference on Enterprise Information Systems (ICEIS'08)*, Barcelona, Spain, Jun 2008
- CPH07f Daniela da Cruz, Maria João Varanda Pereira, and Pedro Rangel Henriques.  
Pattern-based program visualization.  
In *1st Workshop on Advances in Programming Languages, WAPL'07 — evento satélite da International Multiconference on Computer Science and Information Technology, IMCSIT'07 — Wisla, Polónia*, Oct 2007
- CH07g Daniela da Cruz and Pedro Rangel Henriques.  
Slicing wxhaskell modules to derive the user interface abstract model (short paper and poster).  
In *WAPL'07 — 1st Workshop on Applications of Programming Languages, a satellite event of International Multiconference on Computer Science and Information Technology, IMCSIT'07, Wisla, Poland*, October 2007
- CH07h Daniela da Cruz and Pedro Rangel Henriques.  
XLS — XTDL laboratory site (poster).  
In *Extreme Markup Languages'07, Montreal, Canada*, August 2007

- LPRH07      Giovani Rubert Librelotto, Renato Preigschadt de Azevedo, José Carlos Ramalho, and Pedro Rangel Henriques.  
Navegando na rede semântica dos topic maps com o ulisses.  
In *XATA 2007 - XML: Aplicações e Tecnologias Associadas (5ª Conferência Nacional)*, Lisboa - Portugal, Feb 2007
- GH07a      Alda Gançarski and Pedro Rangel Henriques.  
Using data together with metadata to improve xml information access.  
In *Proceedings of the Int. Conference on Web Information Systems and Technologies (WEBIST07 - Barcelona, Spain)*, Mar 2007
- GH07b      Alda Gançarski and Pedro Rangel Henriques.  
Analyzing the structure of scientific articles to improve information retrieval.  
In Pedro Isaias and Nuno Mamede, editors, *Proceedings of the Int. IADIS Conference on Applied Computing 2007 (IADIS AC07 - Salamanca, Spain)*, Feb 2007
- BHVU06a     Mario Béron, Pedro Rangel Henriques, Maria João Varanda, and Roberto Uzal.  
Herramientas para la comprensión de programas.  
In *VIII Workshop de Investigadores en Ciencias de la Computación (WICC 2006)*, Universidad de Morón, Bs. As., Argentina, 2006
- BHVU06b     Mario Béron, Pedro Rangel Henriques, Maria João Varanda, and Roberto Uzal.  
Comprensión de algoritmos de ruteo.  
In *XXXII Conferencia Latinoamericana de Informática (CLEI 2006)*, Santiago de Chile, 2006
- BHVUM06     Mario Béron, Pedro Rangel Henriques, Maria João Varanda, Roberto Uzal, and G. Montejano.  
A language processing tool for program comprehension.  
In Argentina Universidad Nacional de San Luis, editor, *CACIC'06 - XII Argentine Congress on Computer Science*, Oct 2006
- RMHVC06     Damijan Rebernak, Marjan Mernik, Pedro Rangel Henriques, Maria João Varanda Pereira, and Daniela Cruz.  
Specifying languages using aspect-oriented approach: Aspectlisa.  
In *ITI'06 - 28th International Conference on Information Technology Interfaces, Croacia*. IEEE, June 2006
- HKMVZ03     Pedro Henriques, Tomaz Kosar, Marjan Mernik, Maria João Varanda, and Viljem Zumer.  
Grammatical approach to problem solving.  
In *ITI'03 - 25th International Conference on Information Technology Interfaces, Croacia*. IEEE, June 2003
- VH03         M. J. Varanda and P. Henriques.  
Visualization / animation of programs in alma: obtaining different results.  
In *VMSE2003 - Symposium on Visual and Multimedia Software Engineering (HCC'03)*, New Zealand. IEEE, October 2003
- VH02         P. Henriques, M. J. Varanda, M. Mernik, and M. Lenic.  
Automatic generation of language-based tools.  
In *LDTA - Workshop on Language, Descriptions, Tools and Applications (ETAPS'02)*, April 2002
- VH01         M. J. Varanda and Pedro Rangel Henriques.  
Visualization / animation of programs based on abstract representations and formal mappings.  
In *HCC'01 - 2001 IEEE Symposia on Human-Centric Computing Languages and Environments*. IEEE, September 2001

#### NATIONAL CONFERENCES

- OHCP09      Nuno Oliveira, Pedro Rangel Henriques, Daniela da Cruz, and Maria João Varanda Pereira.  
Xagra - an xml dialect for attribute grammars.  
In *INForum'09 — Simpósio de Informática*, pages 409 — 420, Lisboa, Portugal, September 2009. Faculdade de Ciências da Universidade de Lisboa
- OPHC09a     Nuno Oliveira, Maria João Varanda Pereira, Pedro Rangel Henriques, and Daniela da Cruz.  
Domain specific languages: A theoretical survey.  
In *INForum'09 — Simpósio de Informática*, pages 35 — 46, Lisboa, Portugal, September 2009. Faculdade de Ciências da Universidade de Lisboa

- OPHCC09 Nuno Oliveira, Maria João Varanda Pereira, Pedro Rangel Henriques, Daniela da Cruz, and Bastian Cramer.  
VisualLISA: A domain specific visual language for attribute grammars.  
In *INForum'09 — Simpósio de Informática*, pages 155 — 167, Lisboa, Portugal, September 2009. Faculdade de Ciências da Universidade de Lisboa
- MKCHCPO09 Marjan Mernik, Tomaz Kosar, Matej Crepinsek, Pedro Rangel Henriques, Daniela da Cruz, Maria João Varanda Pereira, and Nuno Oliveira.  
Comparison of xaml and c# forms using cognitive dimensions framework.  
In *INForum'09 — Simpósio de Informática*, pages 180 — 191, Lisboa, Portugal, September 2009. Faculdade de Ciências da Universidade de Lisboa
- FCHGD09b Daniela da Cruz, Flávio Xavier Ferreira, Pedro Rangel Henriques, Alda Lopes Gançarski, and Bruno Defude.  
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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.