About the Contributors

José Carlos Ramalho graduated in 1991 as a Systems and Informatics Engineer. Since his graduation, he has worked as a freelancer software developer and as a network technician for Apple. During this time, he also taught several courses about computer programming for several public institutions. In 1991, he joined the Department of Informatics as an Assistant and started his MSc work. He has worked as a teacher since 1991 until the present. He also has been a researcher of Algoritmi’s Research Center until 2004. In 2004, he moved from Algoritmi to the newly created CCTC Research Center. He finished his PhD in 2000 under the subject “Structured Documents Semantics.” From 1996 until the present, he has been researching in structured documents area (currently, he is coordinating several projects in digital archives and libraries field). He was responsible for the creation of the conference series called XATA (starting in 2003 until now). He has written two books and many articles presented in international and national conferences. During 2008, together with two former post-graduation students, he launched KEEP Solutions, a spin-off software company focusing on information archiving, information management, information access, and information deployment.

Alberto Simões is a PhD in Natural Language Processing affiliated with the Polytechnic Institute of Câvado and Ave (Portugal), and works as a Researcher at the Computer Science and Technology Center of the University of Minho. His research interests focus on parallel corpora alignment, probabilistic translation dictionaries, and bilingual terminology extraction. Some of his major publications are NATools—a statistical word aligner workbench in Procesamiento del Lenguaje Natural 31 (2003), Makefile::Parallel dependency specification language. In Anne-Marie Kermarrec, Luc Bougé, and Thierry Priol, editors, Euro-Parl 2007, volume 4641 and Portuguese-English word alignment: some experiments. In LREC 2008 – The 6th edition of the Language and Resources Evaluation Conference, Marrakech (2008).

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Carlos Filipe Pereira Aldeias was born in Vila do Conde and raised in Póvoa de Varzim, Portugal. He took the Masters program in Informatics and Computing Engineering from the Faculty of Engineering, University of Porto (FEUP). He contributed to the DBPreserve project (funded by Portuguese FCT), where he researched on preservation of databases and data warehouses. He is currently a Researcher at Information and Computer Graphic Systems Unit of INESC TEC (formerly INESC PORTO). His research interests include information systems, databases, information management, Web technologies, and computer graphics.

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Adriana J. Berlanga is Assistant Professor at the Centre for Learning Sciences and Technologies of the Open University of The Netherlands. Her research is focused on how Technology-Enhanced Learning can foster lifelong learning, exploring topics such as learning networks, novel tools for e-learning, standards and specifications, peer-support, Social Web, and online learner identities.

Manuel E. Correia got his MSc in Foundations of Advanced Information Processing Technologies from the Imperial College of London in 1992 and his PhD in Computer Science from Oporto University in 2001. He is currently a Lecturer at the Department of Computer Science of the Faculty of Science of Oporto University and a Researcher in the field of computer security at the CRACS group of INESC TEC Porto, where he is responsible for research projects related to anomaly detection and identity management and the security aspects of several industry contracts. He is also consultant for some Portuguese public agencies (health and education) in computer security.

Daniela Carneiro da Cruz received in October 2011 a Ph.D. degree in Computer Science at University of Minho, under the MAPi doctoral program. She teaches different courses in the area of Compilers and Formal Development of Languages Processors and Programming Languages and Paradigms (Procedural, Logic, and OO). As a researcher of gEPL, Daniela is working on the application of semantic-based slicing techniques to programs with contracts. She has also been involved in different research projects, such as CROSS—an infrastructure for Certification and Re-engineering of Open Source Software; Hermes—Learning and Populating Ontologies from Textual Sources (bilateral Brasil-Portugal joint research project); Quixote Problem Domain Models to interrelate Operational and Behavioral views in software systems (bilateral Argentina-Portugal joint research project); PCDSL—Program Comprehension for Domain Specific Languages (bilateral Slovenia-Portugal joint research project); and PCVIA (Program Comprehension by Visual Inspection and Animation).
About the Contributors

Gabriel de Sousa Torcato David (born in Lisboa, 1958) got a Ph.D. in Informatics, Artificial Intelligence branch, at Universidade Nova de Lisboa, 1994. He is currently Associate Professor at the Informatics Engineering Department, Engineering Faculty of the University of Porto (FEUP), where he integrates the FEUP Scientific Board and the Scientific Committees of the Information Science Bachelor and Master Programs. He is also the Director of the MAP-i Doctoral Program in Computer Science. He has led the development team of SIGARRA, the U.PORTO Academic Information System, from 1996 to 2010. He has been a Researcher at INESC Porto since 1985. His main research interests are in information systems, databases, and information management. He has been the leader of projects (funded by Portuguese FCT) MetaMedia on multimedia archives and DBPreserve on preservation of databases.

Flavio Miguel Xavier Ferreira graduated in Systems Engineering and Computer Science from the University of Minho (Braga, Portugal) in 2007. He devoted himself, soon after, as a continuation of his internship, to the development of the (virtual) Museum of Emigration. Then, Flavio attended between October 2009 and June 2010 a PhD in the Institut Telecom SudParis (CNRS lab Samovar) in a partnership with the University of Minho (Lab CCTC), with the theme the personalized information retrieval in structured documents associated with semantic descriptions. After that date, he dedicated himself to being a freelancer.

Daniela Morais Fonte graduated in Computer Science and System Engineering (Lic. Em Engenharia Informática) at University of Minho (UM), Braga, Portugal. From September 2009 to September 2010, she received a grant for young researchers from CCTC (a FCT-funded research laboratory at UM on Computing Science and Technologies). During that period, she joined gEPL team and worked on a project aimed at the application of the Query-by-Example paradigm to XML document collections; as proof of concept, she developed a tool called GuessXQ. Under that context, two conference papers were published. She is currently getting a M.Sc. degree in Informatics (MEI at UM) doing two specializations, one in Language Engineering and another in Intelligent Systems. In that context, she developed a tool, Quimera—an evolution of traditional automatic Grading Systems that also gave rise to a new conference paper.

Ricardo André Pereira Freitas graduated in 2002 in Electrical and Computer Engineering at the Lusíada University of Vila Nova de Famalicão. He was soon invited to collaborate with the Department of Informatics at the same university in Computer Systems Development. Since then, he also provides training in various courses of professional and technological specialization in the field of informatics and information systems, as well as lecturing in the Faculty of Economics and Business Sciences at the same university. In addition, he is a member of Lusíada Researcher Centre for Research and Development in Industrial Engineering and Management (CLEGI). In 2008, he completed his MSc work at the School of Engineering, University of Minho, where he gave evidence in defense of the thesis titled “Digital Preservation of Relational Databases.” He participated in national and international conferences with scientific papers related to the subject of databases and its digital preservation issues, which are related to his Doctoral Program (MAP-i) in which he is currently working.
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Pedro Rangel Henriques got a degree in Electrotechnical/Electronics Engineering at FEUP (Porto University), and finished a Ph.D. thesis in “Formal Languages and Attribute Grammars” at University of Minho. In 1981, he joined the Computer Science Department of University of Minho, where he is a Teacher/Researcher. Since 1995, he is the Coordinator of the Language Processing Group at CCTC (Computer Science and Technologies Center). He teaches many different courses under the broader area of programming: Programming Languages and Paradigms; Compilers, Grammar Engineering, and Software Analysis and Transformation; etc. Pedro Rangel Henriques has supervised Ph.D. (11) and M.Sc. (13) theses, and more than 50 graduating trainingships/projects, in the areas of: language processing (textual and visual), and structured document processing; code analysis, program visualization/animation and program comprehension; knowledge discovery from databases, data-mining; and data-cleaning. He is co-author of the XML & XSL: Da Teoria a Prática book, published by FCA in 2002; and has published 3 chapters in books, and 20 journal papers.

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