

CURRICULUM VITAE

JOÃO PORTO DE ALBUQUERQUE

CONTACT

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RÉSUMÉ

João Porto de Albuquerque studied computer science, social sciences and philosophy at State University of Campinas (Unicamp), Brazil, and received his B.Sc. (2001) and Ph.D. in Computer Science (2006) from the Institute of Computing at Unicamp. During the doctoral studies his research work was directed to the modelling of security policies for the mangement of network security systems in complex organisations. Part of the research work was performed in a research stay (2004-2006) at University of Dortmund (Germany), funded by a scholarship of the German Academic Exchange Service (DAAD). His research interests have been progressively leaned towards the interplay of formal artefacts, computing technologies, and human practices in organisational contexts. In 2006, he was awarded with a research fellowship from the Alexander von Humboldt Foundation in order to pursue post-doctoral research at the Department Informatics of University of Hamburg.

EDUCATION

03/2002–05/2006 Ph.D. studies at State University of Campinas (Unicamp), Brazil.
Project title: *Model-Based Configuration Management of Security Systems in Complex Network Environments*
Supervisors: Prof. Dr. Paulo Lício de Geus (Unicamp) and Prof. Dr. Heiko Krumm (University of Dortmund)

03/2004–02/2006 Research stay in the Working Group Computer Networks and Distributed Systems of the Department Informatics at University of Dortmund (Germany), funded by the German Academic Exchange Service (DAAD).

03/2002–12/2003 Social Sciences and Philosophy studies at Unicamp.

02/1998–12/2001 Bachelor studies in Computer Science at Unicamp. Scientific Initiation Scholarship by FAPESP (The State of São Paulo Research Foundation).

RESEARCH/TEACHING EXPERIENCE

Since 09/2006 Research Fellow of the Alexander von Humboldt Foundation at the working group Applied and Social-orientated Informatics of the Department Informatics at University of Hamburg, Germany.

06/2006–08/2006 Research contractor at Lucent Technologies Inc. in Campinas. Within this contract I worked on a policy-based solution for traffic shapping and network security in high-bandwidth networks.

02/2003–07/2003 Teaching Assistantship at the State University of Campinas. Teaching of the undergraduate course on 'Data Structures' (Institute of Computing).

03/2002–07/2003 Teaching and laboratory assistant of Prof. Paulo Lício de Geus in courses of specialisation and professional M.Sc. in Computer Science (network administration, network security, TCP/IP) at Institute of Computing, State University of Campinas.

05/2000–09/2001 Technical Instructor at Conpec (Junior Company of Computing) teaching the courses: *Introduction to Data-Base Systems Theory* and *Programming with Microsoft Visual Basic* . Campinas, Brazil.

09/1999–04/2001 Internship (network administration, technical support and web-mastering) at CPDEC (Centre of Research, Development and Continuous Education), Campinas, Brazil.

SELECTED PUBLICATIONS

- [1] PORTO DE ALBUQUERQUE, J. AND CHRIST, M., Formalization or Flexibility? Some lessons from a socio-technical analysis of business process modeling. In *3rd Workshop A Socio-technical Approach to Software Engineering (WOSES 2007)* June 2007. Vila Velha, Brazil: PESC/COPPE/UFRJ, 2007. p. 49-60.
- [2] PORTO DE ALBUQUERQUE, J., SIMON, E., Dealing with socio-technical complexity: towards a transdisciplinary approach to IS research. In: Hubert Österle, Joachim Schelp, Robert Winter (Eds.), *Proceedings of the 15th European Conference on Information Systems (ECIS 2007)*, 2007, p. 1458-1468.
- [3] PORTO DE ALBUQUERQUE, J., For a socio-technical perspective of the development of computing systems: the example of the Mikropolis model. In *2nd Workshop A Socio-technical Approach to Software Engineering (WOSES 2006)* June 2006. Vila Velha, Brazil: PESC/COPPE/UFRJ, 2006. p. 1-12.
- [4] PORTO DE ALBUQUERQUE, J., KRUMM, H. AND GEUS, P. L. DE, JERUSCHKAT, R., Scalable model-based configuration management of security services in complex enterprise networks. Submitted.
- [5] PORTO DE ALBUQUERQUE, J., KRUMM, H. AND GEUS, P. L. DE, Improving the Configuration Management of Large Network Security Systems. In: *Ambient Networks: 16th IFIP/IEEE International Workshop on Distributed Systems: Operations and Management, DSOM 2005*, Barcelona, Spain, October 24-26, 2005, Proceedings. LNCS 3775. Berlin, Germany : Springer-Verlag, 2005, p. 36-47.
- [6] PORTO DE ALBUQUERQUE, J., KRUMM, H. AND GEUS, P. L. DE, On Scalability and Modularisation in the Modelling of Network Security Systems. In: *Computer Security - ESORICS 2005*, 10th European Symposium on Research in Computer Security, Milan, Italy, September 12-14, 2005, Proceedings. LNCS 3679. Berlin Heidelberg : Springer-Verlag, 2005. p. 287-304.
- [7] PORTO DE ALBUQUERQUE, J., KRUMM, H. AND GEUS, P. L. DE, Policy Modeling and Refinement for Network Security Systems. In: *Proceedings of the Sixth IEEE International Workshop on Policies for Distributed Systems and Networks*. Los Alamitos, California : IEEE, 2005. p. 24-33.

Hamburg, October 25, 2007