

CURRICULUM VITÆ

Leila Ribeiro

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1 Personal Data

Name: Leila Ribeiro

Parents: Miguel Ribeiro and Valesca Júlia Ribeiro

Birthdate: 01/25/1968, Porto Alegre/RS - Brasil

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2 Education

1996: PHD IN INFORMATICS

Institution: Technical University of Berlin (TU Berlin), Germany

Advisor: Hartmut Ehrig.

Thesis: Parallel composition and unfolding semantics of graph grammars

1991: MSc COMPUTER SCIENCE.

Institution: Federal University of Rio Grande do Sul (UFRGS), Brazil

Advisor: Daltro Jose Nunes

Thesis: Integração no PROSOFT de ambientes corretos obtidos a partir de especificações algébricas e executados usando sistemas de reescrita

1988: Bachelor Degree Computer Science

Institution: Federal University of Rio Grande do Sul (UFRGS), Brazil

3 Positions Held

UFRGS: Universidade Federal do Rio Grande do Sul - Theoretical Computer Science Department

- Associate Professor Senior (since May/2006)
- Associate Professor Junior (May/1998-April/2006)
- Researcher (June/1996-April/1998)

CNPq: Conselho Nacional de Desenvolvimento Científico e Tecnológico

- Research fellow and consultant (since 1999)

MEC: Ministério da Educação e do Desporto

- Consultant (1997-2003)

ULBRA: Lutheran University of Brasil

- Lecturer (Mar/1991-Feb/1992)

IBM Brasil

- Researcher at the Rio Scientific Center (Jan/1991-Dez/1991)
- Trainee (Jan/1987-Dez/1987)

4 Courses Taught at UFRGS (1998-2009)

- Undergraduate Course in Computer Science
 - Formal semantics
 - Category theory
 - Theory of computation
 - Complexity theory
 - Foundations of algorithms
 - Introduction to Bioinformatics
- Graduate Course in Computer Science
 - Advanced theory of computation
 - Graph grammars
 - Bioinformatics seminars
 - Introduction to Bioinformatics
 - Formal verification
 - Non-conventional models of computation

5 Academic Administration Positions

2007-2008 Head of Department of Theoretical Informatics/UFRGS

2006-2007 Coordinator of the International Cooperation Commission of the Informatics Institute/UFRGS

since 2006: Leader of the Bioinformatics Research Group (Informatics Institute/UFRGS)

since 2004: Vice-leader of the Computer Science Foundations and Formal Methods Research Group (Informatics Institute/UFRGS)

2003-2004 Head of Department of Theoretical Informatics/UFRGS

2001-2002 Coordinator of Research Commission of the Informatics Institute/UFRGS

1999-2000 Member of the Undergraduate Commission of the Computer Science Course/UFRGS

6 Activities in Professional Associations

2006-2007 President of the Special Commission on Formal Methods (from the Brazilian Computer Society - SBC)

2002-2003 President of the Special Commission on Software Engineering (from the Brazilian Computer Society - SBC)

since 1996: Member of the Brazilian Computer Society - SBC

7 Scientific Events

PC Chair:

ICGT06 International Conference on Graph Transformation 2006

SBMF06 Brazilian Symposium on Formal Methods 2006

SBES02 Brazilian Symposium on Software Engineering 2002

WMF00 Workshop on Formal Methods 2000

PC Member:

FASE Fundamental Approaches to Software Engineering (2005–2007, 2010)

ICGT International Conference on Graph Transformation (2008)

RULE International Workshop on Rule-Based Programming (2009)

FM Formal Methods (2009)

VODCA International Workshop on Views On Designing Complex Architectures (2008)

SBMF Brazilian Symposium on Formal Methods (1998–2009)

SBES Brazilian Symposium on Software Engineering (1999–2009)

BSB Brazilian Bioinformatics Symposium (2005–2007)

TCS IFIP Theoretical Computer Science Conference (2002)

IDPT 6th World Conference on Integrated Design & Process Technology (2002)

SBLP Brazilian Symposium on Programming Languages (1999)

General Organization Chair:

ICGT06 International Conference on Graph Transformation 2006 - Natal, Brazil.

SBMF06 Brazilian Symposium on Formal Methods 2006 - Natal, Brazil.

SBMF05 Brazilian Symposium on Formal Methods 2005 - Porto Alegre, Brazil.

SBES02 Brazilian Symposium on Software Engineering 2002 - Gramado, Brazil.

8 Main research areas

Formal methods, Software engineering, Bioinformatics, Models of computation

9 Scientific Awards

1999 Santista Foundation Award - Area: Informatics - Category: Young researcher

Santista Foundation gives annually awards in two areas of research, in two categories (senior and young researcher). Each research Institution in Brazil may suggest one name for each category, and the decision of the winners is made by a committee composed of renowned scientists. In 1999 the prize was given for the first time to the area of Informatics.

10 Research Projects (Coordinator)

2006-2007 TOOM – Integration, Verification, and Analysis Techniques for Visual and Object-Oriented Modeling. Funding: International Cooperation Brazil/Germany (IB-BMBF/FAPERGS)

2003-2004 DACHIA – Modeling, Analysis and Development of an Approach for the Construction of High-Quality Internet Applications based on Visual Languages and Formal Methods. Funding: International Cooperation Brazil/Germany (IB-BMBF/FAPERGS)

2001-2004 IQ-Mobile – Improving the Quality of Open Systems with Code Mobility through Rigorous Development. Funding: International Cooperation Brazil/Italy (CNR/CNPq)

2001-2003 LABBIOINF – Bioinformatics Laboratory. Funding: FAPERGS

1998-2009 PLATUS – Specification and Verification of Reactive Systems. Funding: CNPq.

11 Publications

11.1 Full papers in scientific journals

- RUBBO, F. ; MACHADO, R. ; MOREIRA, A. F. ; RIBEIRO, L. ; NUNES, D. . On the Interaction of Advices and Raw Types in AspectJ. *Journal of Universal Computer Science*, v. 14, p. 3534-3555, 2009.
- RIBEIRO, L. ; BALDAN, Paolo ; CORRADINI, Andrea ; MONTANARI, Ugo . Unfolding semantics of graph transformation. *Information and Computation*, v. 205(5), p. 733-782, 2007.
- RIBEIRO, L. ; MICHELON, L. ; COSTA, S. A. . Specification of real-time systems with graph grammars. *Journal of the Brazilian Computer Society*, v. 13, p. 51-68, 2007.
- MENDIZABAL, O.; DOTTE, F.; RIBEIRO, L. Stochastic Object-Based Graph Grammars. *Electronic Notes in Theoretical Computer Science*, v. 184, p. 151-170, 2007.
- BALDAN, Paolo ; CORRADINI, Andrea ; MONTANARI, Ugo ; RIBEIRO, L. . Unfolding semantics of graph transformation. *Information and Computation*, v. 205(5), p. 733-782, 2007.
- PINTO, M. C. ; FOSS, L. ; MOMBACH, J. C. M. ; RIBEIRO, L. . Modeling, Property Verification and Behavioural Equivalence of Lactose Operon Regulation. *Computers in Biology and Medicine*, v. 37, p. 134-148, 2007.

- RIBEIRO, L. ; DOTTI, F. L. ; SANTOS, O. M. ; PASINI, F. . Verifying Object-Based Graph Grammars: An Assume-Guarantee Approach. *Software and Systems Modeling*, v. 5, p. 289-312, 2006.
- BALDAN, Paolo ; CORRADINI, Andrea ; MONTANARI, Ugo ; RIBEIRO, L. . Unfolding semantics of graph transformation. *Information and Computation*, v. 205(5), p. 733-782, 2007.
- PINTO, M. C. ; FOSS, L. ; MOMBACH, J. C. M. ; RIBEIRO, L. . Modeling, Property Verification and Behavioural Equivalence of Lactose Operon Regulation. *Computers in Biology and Medicine*, v. 37, p. 134-148, 2007.
- RIBEIRO, L. ; DOTTI, F. L. ; SANTOS, O. M. ; PASINI, F. . Verifying Object-Based Graph Grammars: An Assume-Guarantee Approach. *Software and Systems Modeling*, v. 5, p. 289-312, 2006.
- SANTOS, O. M. ; DOTTI, F. L. ; RIBEIRO, L. . An Environment for the Development of Concurrent Object-Based Applications. *Electronic Notes in Theoretical Computer Science*, v. 127, p. 3-13, 2005.
- LORETO, A. B. ; SILVA, R. ; TOSCANI, L. V. ; RIBEIRO, L. ; CLAUDIO, D. ; LEAL, L. . Amostragem por Importância para Estimar Valores Esperados: uma Abordagem com Heurísticas para Problemas Intervalares NP-Difíceis. *TEMA. Tendências em Matemática Aplicada e Computacional*, v. 6, p. 261-272, 2005.
- FOSS, L. ; RIBEIRO, L. . A Translation from Object-Based Hypergraph Grammars into pi-Calculus. *Electronic Notes in Theoretical Computer Science*, v. 95, p. 245-267, 2004.
- FERREIRA, A. P. L. ; RIBEIRO, L. . A graph-based semantics for object-oriented programming constructs. *Electronic Notes in Theoretical Computer Science*, v. 122, p. 89-104, 2004.
- SANTOS, O. M. ; DOTTI, F. L. ; RIBEIRO, L. . Verifying Object-Based Graph Grammars. *Electronic Notes in Theoretical Computer Science*, v. 109, p. 125-136, 2004.
- CORRADINI, Andrea ; DOTTI, F. L. ; RIBEIRO, L. . A graph transformation view on the specification of applications using mobile code. *Electronic Notes In Theoretical Computer Science*, v. 50, n. 3, 2001.
- RIBEIRO, L. ; COPSTEIN, B. . Compositional construction of simulation models using graph grammars. *Lecture Notes in Computer Science*, v. 1779, p. 87-94, 2000.
- LORETO, A. B. ; RIBEIRO, L. ; TOSCANI, L. . Complexity analysis of reactive graph grammars. *Revista de Informatica Teórica e Aplicada, Porto Alegre*, v. 7, n. 1, p. 109-128, 2000.
- DÉHARBE, D. ; MOREIRA, A. ; RIBEIRO, L. ; RODRIGUES, V. . Introdução a métodos formais: especificação, semântica e verificação de sistemas concorrentes. *Revista de Informatica Teórica e Aplicada, Porto Alegre*, v. 7, n. 1, p. 7-48, 2000.
- RIBEIRO, L. . Parallel composition of graph grammars. *Applied Categorical Structures*, v. 7, n. 4, p. 405-430, 1999.
- RIBEIRO, L. ; KORFF, M. . True concurrency = Interleaving + Weak Conflict. *Electronic Notes In Theoretical Computer Science*, v. 14, p. 1-8, 1998.
- RIBEIRO, L. . Compatibility between syntax and semantics of graph grammars. *Electronic Notes In Theoretical Computer Science*, v. 14, 1998.

- RIBEIRO, L. ; KORFF, M. . Formal relationships between graph grammars and Petri nets. *Lecture Notes in Computer Science*, v. 1073, p. 288-303, 1996.
- RIBEIRO, L. ; PADBERG, J. ; EHRIG, H. . Algebraic high-level net transformation systems. *Mathematical Structures In Computer Science*, Cambridge, v. 5, p. 217-256, 1995.
- RIBEIRO, L. ; EHRIG, H. ; PADBERG, J. . Algebraic high-level nets: Petri nets revisited. *Lecture Notes in Computer Science*, v. 785, p. 188-206, 1994.

11.2 Books and book chapters

- FOSS, L. ; CORRADINI, Andrea ; RIBEIRO, L. . Graph transformation with dependencies for the specification of interactive systems. *Algebraic Development Techniques*. : Springer - LNCS Vol. 5486, 2009, v. 5486, p. 102-118.
- RIBEIRO, L. ; DOTTI, F. L. . Linear-Ordered Graph Grammars: Applications to Distributed Systems Design. In: Degano, Pierpaolo; Nicola, Rocco de; Meseguer, José. (Org.). *Concurrency, Graphs and Models*. Berlin: Springer, Série LNCS, 2008, v. 5065, p. 133-150.
- CORRADINI, Andrea (Org.) ; EHRIG, H. (Org.) ; MONTANARI, Ugo (Org.) ; RIBEIRO, L. (Org.) ; Rozenberg, G. (Org.) . *Graph Transformations*. 1. ed. Berlin: Springer - LNCS Vol. 4178, 2006. v. 1. 472 p.
- RIBEIRO, L. (Org.) ; MOREIRA, A. (Org.) . *SBMF - Brazilian Symposium on Formal Methods*. 1. ed. , 2006. v. 1. 266 p.
- FERREIRA, A. P. L. ; RIBEIRO, L. . Programação orientada a objetos com grafos. In: K. Breitman; R. Anido. (Org.). *Atualizações em Informática*. Rio de Janeiro: Editora PUC Rio, 2006, v. 1, p. 387-452.
- RIBEIRO, L. ; DOTTI, F. L. ; BARDOHL, R. . A Formal Framework for the Development of Concurrent Object-Based Systems. In: Hans-Jörg Kreowski; Ugo Montanari; Fernando Orejas; et al.. (Org.). *Formal Methods in Software and Systems Modeling*. : Springer, 2005, v. 3393, p. 385-401.
- BALDAN, Paolo ; CORRADINI, Andrea ; MONTANARI, Ugo ; RIBEIRO, L. . Correflexive concurrent semantics for single pushout graph grammars. In: Martin Wirsing; Dirk Pattinson; Rolf Hennicker. (Org.). *Recent Trends in Algebraic Development Techniques*. : Springer, 2003, v. 2755, p. 165-184.
- RIBEIRO, L. . Métodos formais de especificação: Gramáticas de grafos. In: SBC Sul. (Org.). *VIII Escola de Informática da SBC-Sul*. Porto Alegre: Editora da UFRGS, 2000, v. , p. 1-33.
- DOTTI, F. L. ; RIBEIRO, L. . Specification of mobile code using graph grammars. In: Scott Smith; Carolyn Talcott. (Org.). *Formal Methods for Open Object-Based Distributed Systems IV*. Norwell, EUA: Kluwer Academic Publishers, 2000, v. , p. 45-64.
- EHRIG, H. ; HECKEL, R. ; KORFF, M. ; LOWE, M. ; RIBEIRO, L. ; WAGNER, A. . Algebraic approaches to graph transformations Part II: SPO approach and comparison with DPO approach. In: Gregorz Rozenberg. (Org.). *Handbook of Graph Grammars*. : World Scientific, 1997, v. , p. -.
- RIBEIRO, L. ; MENEZES, P. . A graph transformation framework for concurrent systems. In: ?. (Org.). *Advances in Cybernetics*. : , 1997, v. IV, p. 85-89.

11.3 Full papers in scientific conferences

- RIBEIRO, L. ; FOSS, L. ; Bruno da Silva ; NUNES, D. . Model transformation using graph transactions. In: International Conference on Software Reuse, 2009, Washington. Formal Foundations of Reuse and Domain Engineering, 2009. v. 5791, p. 95-105.
- COSTA, S. A. ; RIBEIRO, L. ; DOTTI, F. L. ; Antônio Carlos da Rocha Costa . Using attributed graph grammars to verify properties of a mobile Internet protocol. In: XXXV Conferência Latino-mericana de Informática, 2009, Pelotas. CLEI 2009, 2009.
- FOSS, L. ; MACHADO, R. ; RIBEIRO, L. . Aspects for graph grammars. In: 10th International Workshop on Graph Transformations and Visual Modeling Techniques, 2009, York. GT-VMT 2009, 2009.
- MACHADO, R. ; RIBEIRO, L. ; HECKEL, R. . Modeling and reasoning over distributed systems with aspect-oriented graph grammars. In: 10th International Workshop on Rule-Based Programming, 2009, Brasília. RULE 2009, 2009.
- MEDRADO, R.; RIBEIRO, L. . Graph Grammars as a Formal Foundation for Biological Process Diagrams. In: XXXV Conferência Latino-mericana de Informática, 2009, Pelotas. CLEI 2009, 2009.
- RUBBO, F. ; MACHADO, R. ; MOREIRA, A. F. ; RIBEIRO, L. ; NUNES, D. . On the interaction of Advices and Raw Types in AspectJ. In: XII Simpósio Brasileiro de Linguagens de Programação, 2008, Fortaleza. XII Simpósio Brasileiro de Linguagens de Programação - Anais, 2008. p. 103-116.
- COSTA, S. A. ; RIBEIRO, L. . Formal verification of graph grammars using mathematical induction. In: Brazilian Symposium on Formal Methods, 2008, Salvador. Proceedings of the SBMF 2008, 2008. p. 161-176.
- MOREIRA, A. F. ; COTA, E. ; RIBEIRO, L. ; GASPARY, L. ; CARRO, L. ; RITT, M. ; WEBER, T. . Em direção a um modelo para desenvolvimento de sistemas computacionais de qualidade para aplicações onivalentes. In: SEMISH - XXXIV Seminário Integrado do Software e Hardware, 2007, Rio de Janeiro. XXVII Congresso da Sociedade Brasileira de Computação, 2007. v. 1. p. 2262-2276.
- LAMB, L. C. ; VILLAVICENZIO, A. ; IDIART, M. ; BURIOL, L. ; RIBEIRO, L. ; SILVA, R. . Modelagem de sistemas computacionais complexos: Em direção a uma fundamentação científica e aplicações tecnológicas. In: SEMISH - XXXIV Seminário Integrado do Software e Hardware, 2007, Rio de Janeiro. XXVII Congresso da Sociedade Brasileira de Computação, 2007. v. 1. p. 2113-2127.
- FOSS, L. ; MACHADO, R. ; RIBEIRO, L. . Graph productions with dependencies. In: SBMF - Simpósio Brasileiro de Métodos Formais, 2007, Ouro Preto. Brazilian Symposium on Formal Methods, 2007.
- BALDAN, Paolo ; CORRADINI, Andrea ; DOTTI, F. L. ; FOSS, L. ; GADDUCCI, F. ; RIBEIRO, L. . Towards a Notion of Transaction in Graph Rewriting. In: GT-VMT 2006 - GT-VMT06 - 5th International Workshop on Graph Transformation, 2006, Viena. Proc. of the 5th International Workshop on Graph Transformation, 2006. v. 1. p. 1-12.
- MICHELON, L. ; COSTA, S. A. ; RIBEIRO, L. . Specification of real-time systems with graph grammars. In: XX Simpósio Brasileiro de Engenharia de Software - SBES 06, 2006, Florianópolis. Anais do XX Simpósio Brasileiro de Engenharia de Software, 2006. p. 97-112.
- PINTO, M. C. ; FOSS, L. ; MOMBACH, J. C. M. ; RIBEIRO, L. . Modeling and property verification of lactose operon regulation. In: Brazilian Symposium on Bioinformatics, 2005, São Leopoldo. Advances in Bioinformatics and Computational Biology, 2005. v. 3594. p. 95-106.

- MENDIZABAL, O. ; DOTTI, F. L. ; RIBEIRO, L. . Stochastic Object-Based Graph Grammars. In: Simpósio Brasileiro de Métodos Formais, 2005, Porto Alegre. SBMF 2005, 2005. p. 128-143.
- CORRADINI, Andrea ; DOTTI, F. L. ; FOSS, L. ; RIBEIRO, L. . Translating Java code to graph transformation systems. In: International Conference on Graph Transformation, 2004, Roma, Itália. Proceeding of the 2nd. International Conference on Graph Transformation (ICGT 2004), 2004. v. 3256. p. 383-398.
- FERREIRA, A. P. L. ; RIBEIRO, L. . Derivations in object-oriented graph grammars. In: International Conference on Graph Transformation, 2004, Roma, Itália. Proceeding of the 2nd International Conference on Graph Transformation (ICGT 2004), 2004. v. 3256. p. 416-430.
- PINTO, M. C. ; RIBEIRO, L. . Modeling metabolic pathways using graph grammars. In: III Brazilian Workshop on Bioinformatics (WOB 2004), 2004, Brasília. Terceiro Workshop Brasileiro de Bioinformática (WOB), 2004. v. 1. p. 154-157.
- DOTTI, F. L. ; FOSS, L. ; RIBEIRO, L. ; SANTOS, O. M. . Especificação e verificação formal de sistemas distribuídos. In: 17o. Simpósio Brasileiro de Engenharia de Software (SBES), 2003, Manaus. 17o. Simpósio Brasileiro de Engenharia de Software, 2003. v. 1. p. 225-240.
- DOTTI, F. L. ; RIBEIRO, L. ; SANTOS, O. M. . Specification and analysis of fault behaviors using graph grammars. In: Application of Graph Transformation with Industrial Relevance, 2003, Charlottesville. AGTIVE'2003 - Applications of Graph Transformation with Industrial Relevance, 2003. v. 3062. p. 120-133.
- DOTTI, F. L. ; FOSS, L. ; RIBEIRO, L. ; SANTOS, O. M. . Verification of distributed object-based systems. In: 6th IFIP International Conference on Formal Methods for Open Object-based Distributed Systems, 2003, Paris. FMOODS'2003 - 6th IFIP International Conference on Formal Methods for Open Object-based Distributed Systems, 2003. v. 2884. p. 261-275.
- FERREIRA, A. P. L. ; RIBEIRO, L. . Towards object-oriented graphs and grammars. In: 6th IFIP International Conference on Formal Methods for Open Object-based Distributed Systems, 2003, Paris. FMOODS'2003 - 6th IFIP International Conference on Formal Methods for Open Object-based Distributed Systems, 2003. v. 2884. p. 16-31.
- FOSS, L. ; RIBEIRO, L. . A translation of object-based hypergraph grammars into pi-calculus. In: 6th Workshop on Formal Methods, 2003, Campina Grande. WMF'2003 - 6th Workshop on Formal Methods, 2003. v. 1. p. 1-16.
- MASHUDA, C. R. Y. ; RIBEIRO, L. ; KIST, T. B. L. . Algoritmo molecular utilizando fluoroforos para resolução do problema do caixeiro viajante. In: Conferência Latino Americana de Informática, 2003, La Paz. Anais da XXIX Conferencia CLEI' 2003, 2003. v. 1. p. 1-8.
- MASHUDA, C. R. Y. ; RIBEIRO, L. ; KIST, T. B. L. . Computação com DNA para resolução de problemas de otimização. In: Escola Regional de Informática da Sociedade Brasileira de Computação, 2003, Paraná. Anais da XI Escola Regional de Informática da Sociedade Brasileira de Computação, 2003.
- DUARTE, L. M. ; DOTTI, F. L. ; COPSTEIN, B. ; RIBEIRO, L. . Simulation of Mobile Applications. In: CNDS 2002 - Communication Networks and Distributed Systems Modeling and Simulation Conference, 2002, San Antonio. Proceedings of CNDS 2002, 2002. v. 1. p. 1-15.

- LORETO, A. B. ; RIBEIRO, L. ; TOSCANI, L. V. . Decidability and tractability of a problem in object-based graph grammars. In: 17th IFIP World Computer Congress - Theoretical Computer Science, 2002, Montreal. Proc. of TCS 2002 - Theoretical Computer Science, 2002. v. 1. p. 396-408.
- RIBEIRO, L. ; MONTANARI, Ugo . Linear ordered graph grammars and their algebraic foundations. In: International Conference on Graph Transformation (ICGT 2002), 2002, Barcelona, Espanha. Graph Transformation, 2002. v. 2505. p. 317-333.
- CERVO, L. V. ; RIBEIRO, L. . DNA-based modeling of parallel algorithms. In: I Workshop Brasileiro de Bioinformática, 2002, Gramado. WOB 2002 - I Workshop Brasileiro de Bioinformática, 2002. v. 1. p. 16-23.
- CORRADINI, Andrea ; DOTTI, F. L. ; RIBEIRO, L. . A graph transformation view on the specification of applications using mobile code. In: 2nd International Workshop on Graph Transformations and Visula Modeling Techniques, 2001, Creta, Grécia. Proc. of the Satellite Wokrshops of the 28th International Colloquium on Automata, Languages and Programming (ICALP'01), 2001. v. 1. p. 240-248.
- LORETO, A. B. ; RIBEIRO, L. ; TOSCANI, L. V. . Decidibilidade e tratabilidade de gramáticas de grafos orientadas a objeto. In: IV Workshop de Métodos Formais, 2001, Rio de Janeiro, Brasil. Proc. of IV WMF Workshop on Formal Methods, 2001. v. 1. p. 129-140.
- BARBOSA, M. A. ; TOSCANI, L. V. ; RIBEIRO, L. . Apoio ao ensino de complexidade de algoritmos. In: III Simpósio Internacional de Informática Educativa, 2001, Viseu. Proc. 3º Simpósio Internacional Informática Educativa, 2001. v. 1. p. 1-5.
- BARBOSA, M. A. ; TOSCANI, L. V. ; RIBEIRO, L. . ANAC - Uma ferramenta para análise automática da complexidade de algoritmos. In: XXVII Conferencia Latinoamericana de Informática (CLEI 2001), 2001, Mérida, Venezuela. Proc. CLEI 2001, 2001. v. 1. p. 1-8.
- DOTTI, F. L. ; RIBEIRO, L. . Code mobility in open systems: a formal approach. In: PDPTA'00 - Parallel and Distributed Processing Techniques and Applications, 2000, Las Vegas. International Conference on Parallel and Distributed Processing Techniques and Applications, 2000. v. V. p. 2401-2408.
- COPSTEIN, B. ; MÓRA, M. C. ; RIBEIRO, L. . An environment for formal modeling and simulation of control systems. In: ANSS'00 Annual Simulation Symposium, 2000, Washington. ANSS'00 Annual Simulation Symposium, 2000. p. 74-82.
- BARDOHL, R. ; ERMEL, C. ; RIBEIRO, L. . Towards visual specification and animation of Petri net based models. In: GRATRA 2000 Workshop on Graph Transformation Systems, 2000, Berlim. GRATRA 2000 Workshop on Graph Transformation Systems. Berlim : Technical University of Berlin, 2000. v. 1. p. 22-31.
- LORETO, A. B. ; RIBEIRO, L. ; TOSCANI, L. . Complexity analysis of reactive graph grammars. In: III Workshop de Métodos Formais (WMF 2000), 2000, João Pessoa. SBES '2000 - Workshops, 2000. v. 1. p. 193-204.
- BARDOHL, R. ; ERMEL, C. ; RIBEIRO, L. . A modular approach to animation of simulation models. In: XIV Simpósio Brasileiro de Engenharia de Software (SBES 2000), 2000, João Pessoa. XIV Simpósio Brasileiro de Engenharia de Software, 2000. v. 1. p. 133-146.
- BARBOSA, M. A. ; TOSCANI, L. V. ; RIBEIRO, L. . Ferramenta para automatização da análise da complexidade de algoritmos. In: XI Simpósio Brasileiro de Informática na Educação (SBIE 2001), 2000, Maceió, Brazil. Proc. XI Simpósio Brasileiro de Informática na Educação, 2000. v. 1. p. 160-166.

- RIBEIRO, L. ; COPSTEIN, B. . Compositional construction of simulation models using graph grammars. In: AGTIVE - Applications of Graph Transformation with Industrial Relevance, 1999, Rolduc. AGTIVE - Applications of Graph Transformation with Industrial Relevance, 1999.
- RIBEIRO, L. ; COPSTEIN, B. ; MÓRA, M. C. . Formal development of control systems using simulation. In: II Workshop Brasileiro de Métodos Formais (WMF 1999), 1999, Florianópolis. WMF99 - II Workshop Brasileiro de Métodos Formais, 1999. v. 1. p. 1-8.
- RIBEIRO, L. ; COPSTEIN, B. . Specifying simulation models using graph grammars. In: ESS98 - European Simulation Symposium, 1998, Nottingham. ESS98 Proceedings, 1998. p. 60-64.
- RIBEIRO, L. ; MENEZES, P. ; DIVERIO, T. ; NUNES, D. ; RODRIGUES, V. ; TOSCANI, L. . Desenvolvimento da área formal da computação no Instituto de Informática da UFRGS. In: WMF98 - I Workshop Brasileiro de Métodos Formais, 1998, Porto Alegre. I Workshop Brasileiro de Métodos Formais, 1998. p. 1-12.
- RIBEIRO, L. ; KORFF, M. . Graph grammars for the especificaiton of concurrent systems. In: IX SBES - Simpósio Brasileiro de Engenharia de Software, 1998, Fortaleza. IX Simpósio Brasileiro de Engenharia de Software, 1998. p. 199-214.
- RIBEIRO, L. ; KORFF, M. . Graph grammars. In: I Workshop em Qualidade de Software, 1997, Porto Alegre. I Workshop em Qualidade de Software, 1997. p. 88-104.
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11.4 Extended abstracts in scientific conferences

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