

List of Publications of Catuscia Palamidessi

January 10, 2010

1 Journals

1. S. Kramer, C. Palamidessi, R. Segala, A. Turrini, and C. Braun. A quantitative doxastic logic for probabilistic processes and applications to information-hiding. *The Journal of Applied Non-Classical Logics*. To appear. [[bib](#) , [http](#)]
2. K. Chatzikokolakis, C. Palamidessi. Making Random Choices Invisible to the Scheduler. *Information and Computation*. To appear. [[bib](#) , [http](#) , [.pdf](#)]
3. D. Cacciagrano, F. Corradini, and C. Palamidessi. Explicit fairness in testing semantics. *Logical Methods in Computer Science*, 5(2 - 15), 2009. [[bib](#) , [http](#)]
4. R. Beauxis and C. Palamidessi Probabilistic and nondeterministic aspects of anonymity. *Theoretical Computer Science*, 410:4006-4025, 2009. [[bib](#) , [DOI](#) , [http](#) , [.pdf](#)]
5. G. Norman, C. Palamidessi, D. Parker, P. Wu. Model checking probabilistic and stochastic extensions of the π -calculus. *IEEE Transactions of Software Engineering* 35(2): 209-223, 2009. [[bib](#) , [http](#) , [.pdf](#)]
6. K. Chatzikokolakis, C. Palamidessi, P. Panangaden. On the bayes risk in information-hiding protocols. *Journal of Computer Security*, 16(5):531-571, 2008. [[pdf](#)]
7. K. Chatzikokolakis, C. Palamidessi, P. Panangaden. Anonymity protocols as noisy channels. *Information and Computation*, 206(2-4):378-401, 2008. [[pdf](#)]
8. K. Chatzikokolakis, C. Palamidessi. A Framework to Analyze Probabilistic Protocols and its Application to the Partial Secrets Exchange. *Theoretical Computer Science*, 389(3):512-527, 2007. [[pdf](#)]
9. I. Phillips, M.G. Vigliotti, C. Palamidessi. Expressiveness via leader election problems. *Theoretical Computer Science*, 388(1-3):267-289, 2007. [[pdf](#)]
10. D. Cacciagrano, F. Corradini, C. Palamidessi. Separation of synchronous and asynchronous communication via testing. *Theoretical Computer Science*, 386(3):218-235, 2007. [[pdf](#)]
11. Y. Deng, C. Palamidessi. Axiomatizations for probabilistic finite-state behaviors. *Theoretical Computer Science*. 373(1-2): 92-114, 2007. [[pdf](#)]
12. K. Chatzikokolakis, C. Palamidessi. Probable Innocence Revisited. *Theoretical Computer Science*, 367(1-2):123-138, 2006. [[pdf](#)]

13. C. Palamidessi, M. O. Herescu. A randomized encoding of the π -calculus with mixed choice. *Theoretical Computer Science*. 335(2-3): 373-404, 2005. [Report version: [pdf](#), [ps](#)]
14. C. Palamidessi. Comparing the Expressive Power of the Synchronous and the Asynchronous π -calculus. *Mathematical Structures in Computer Science*, 13(5): 685-719, 2003. [[pdf](#), [ps](#)]
15. R. McDowell, D. Miller, C. Palamidessi. Encoding Transition Systems in Sequent Calculus. *Theoretical Computer Science*, 294(3): 411-437, 2003. [[Abstract](#), [ps](#)]
16. M. Nielsen, C. Palamidessi, F.D. Valencia. Temporal Concurrent Constraint Programming: Denotation, Logic and Applications. *Nordic Journal of Computing*, 9(1): 145-188, 2002. [[ps](#)]
17. D. Miller, C. Palamidessi. Foundational Aspects of Syntax. *ACM Computing Surveys*, 31(3es):11, 1999. [[ps](#)]
18. F.S. de Boer, M. Gabbrielli, E. Marchiori, C. Palamidessi. Proving Concurrent Constraint Programs Correct. *ACM-TOPLAS*, 19(5):685-725, 1998. [[Abstract](#), [ps](#)]
19. M. Falaschi, M. Gabbrielli, K. Marriott, C. Palamidessi. Confluence in Concurrent Constraint Programming. *Theoretical Computer Science*, 183(2):281-315, 1997. [[Abstract](#), [ps](#)]
20. M. Falaschi, M. Gabbrielli, K. Marriott, C. Palamidessi. Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators. *Information and Computation*, 137(1):41-67, 1997. [[ps](#)]
21. A. Cortesi, G. Filé, R. Giacobazzi, F. Ranzato, C. Palamidessi. Complementation in Abstract Interpretation. *ACM-TOPLAS*, 19(1):7-47, 1997. [[Abstract](#), [ps](#)]
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25. A. Di Pierro, M. Martelli, C. Palamidessi. Negation as Instantiation. *Information and Computation*, 120(2):263-278, 1995. [[Abstract](#), [ps](#)]
26. K.R. Apt, E. Marchiori, C. Palamidessi. A Declarative Approach for First-Order Built-in's of Prolog. *Applicable Algebra in Engineering, Communication and Computing*, 5(3/4):159-191, 1994. [[Abstract](#), [ps](#)]
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28. M. Falaschi, G. Levi, M. Martelli, C. Palamidessi. A model-theoretic reconstruction of the operational semantics of logic programs. *Information and Computation*, 103(1):86-113, 1993. [[Abstract](#)]
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33. E. Giovannetti, G. Levi, C. Moiso, C. Palamidessi. Kernel LEAF: a logic plus functional language. *Journal of Computer and System Sciences*, 42(2):139-185, 1991. [[Abstract](#)]
34. M. Falaschi, G. Levi, M. Martelli, C. Palamidessi. Declarative modeling of the operational behaviour of logic languages. *Theoretical Computer Science*, 69(3):289-318, 1989. [[Abstract](#)]
35. G. Levi, C. Palamidessi. Contributions to the semantics of logic perpetual processes. *Acta Informatica*, 25(6):691-711, 1988.
36. M. Falaschi, G. Levi, C. Palamidessi. A synchronization logic: Axiomatics and formal semantics of generalized Horn clauses. *Information and Control*, 60(1-3):36-69, 1984.

2 Proceedings of conferences and workshops

1. S. Hamadou, C. Palamidessi, V. Sassone, and E. ElSalamouny. Probable innocence in the presence of independent knowledge. Proc. of FAST'09 the 6th International Workshop on Formal Aspects in Security and Trust, LNCS, Springer. To appear. [[bib](#) , [http](#)]
2. M.E. Andrés, C. Palamidessi, P. van Rossum, and G. Smith. Computing the leakage of information-hiding systems. Proc. of TACAS'10, 2010. To appear. [[bib](#) , [http](#)]
3. M. Falaschi, C. Olarte, and C. Palamidessi. A framework for abstract interpretation of timed concurrent constraint programs. Proc. of PPDP'09, ACM, 207-218, 2009. [[bib](#) , [DOI](#) , [http](#)]
4. C. Braun, K. Chatzikokolakis, and C. Palamidessi. Quantitative notions of leakage for one-try attacks. Proc. of MFPS 25, ENTCS 249, Elsevier B.V., 75-91, 2009. [[bib](#) , [DOI](#) , [http](#)]
5. A. Bhowmick, C. Palamidessi. Bounds on the leakage of the input's distribution in information-hiding protocols. Proc. of TGC'08. LNCS 5474, Springer, 36-51, 2009. [[bib](#) , [http](#) , [.pdf](#) , [full version](#)]

6. C. Braun, K. Chatzikokolakis, C. Palamidessi. Compositional methods for information-hiding. In *Proc. of FOSSACS'08, LNCS 4962*, Springer, 443-457, 2008. [[pdf](#)]
7. R. Beauxis, K. Chatzikokolakis, C. Palamidessi, P. Panangaden. Formal approaches to information-hiding (tutorial). In *Proc. of TGC'07, LNCS 4912*, Springer, 347-362, 2008. [[pdf](#)]
8. J. Goubault-Larrecq, C. Palamidessi, A. Troina. A probabilistic applied pi-calculus. In *Proc. of APLAS'07, LNCS 4807*, Springer, 175-190, 2007. [[pdf](#)]
9. K. Chatzikokolakis, C. Palamidessi. Making Random Choices Invisible to the Scheduler. In *Proc. of CONCUR'07, LNCS 4703*, Springer, 42-58, 2007. [[pdf of report version](#)]
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11. G. Norman, C. Palamidessi, D. Parker, P. Wu. Model checking the probabilistic pi-calculus. *Proc. of QEST'07*. IEEE Computer Society, 169-178, 2007. [[pdf](#)]
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15. J. Aranda, C. Di Giusto, C. Palamidessi, F. Valencia. Expressiveness of recursion, replication and scope mechanisms in process calculi. In *Proc. of FMCO'06, LNCS, 4709*, Springer, 185-206, 2007. [[pdf](#)]
16. K. Chatzikokolakis, C. Palamidessi, P. Panangaden. Anonymity Protocols as Noisy Channels. *Proc. of TGC'06, LNCS 4661*, Springer, 281-300, 2006. [[pdf](#) , [pdf of report version](#)]
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