

D Complete List of Publications by Members of EXCS 2003–Date

Listed below are the pre-refereed journal and conference articles, monographs, dissertations and edited volumes by the members of the consortium (the four target-financed themes) published since 2003.

D.1 Programming languages and systems

2003

1. A. Abel, R. Matthes, **T. Uustalu**. Generalized iteration and coiteration for higher-order nested datatypes. In A. D. Gordon, ed., *Proc. of 6th Int. Conf. on Foundations of Software Science and Computation Structures, FoSSaCS'03 (Warsaw, Apr. 2003)*, v. 2620 of *Lect. Notes in Comput. Sci.*, pp. 54-69. Springer, Berlin, 2003. article at SpringerLink
2. N. Ghani, **T. Uustalu**. Coproducts of ideal monads (extended abstract). In Z. Ésik, I. Walukiewicz, eds., *Proc. of 5th Int. Wksh. on Fixed Points in Computer Science, FICS'03 (Warsaw, Apr. 2003)*, pp. 32-36. Warsaw Univ., 2003.
3. N. Ghani, **T. Uustalu**. Explicit substitutions and higher-order syntax. In F. Honsell, M. Miculan, A. Momigliano, eds., *Proc. of 2nd ACM SIGPLAN Wksh. on Mechanized Reasoning about Languages with Variable Binding, MERLIN'03 (Uppsala, Aug. 2003)*, 7 pp. ACM Press, 2003. doi: 10.1145/976571.976580
4. G. Grahne, R. Hakli, M. Nykänen, **H. Tamm**, E. Ukkonen. Design and implementation of a string database query language. *Inform. Syst.*, v. 28, n. 4, pp. 311-337, 2003. doi: 10.1016/s0306-4379(02)00075-3
5. R. Matthes, **T. Uustalu**. Substitution in non-wellfounded syntax with variable binding. In H. P. Gumm, ed., *Proc. of 6th Int. Wksh. on Coalgebraic Methods in Computer Science, CMCS'03 (Warsaw, Apr. 2003)*, v. 82, n. 1 of *Electron. Notes in Theor. Comput. Sci.*, 15 pp., Elsevier, 2003. doi: 10.1016/s1571-0661(04)80639-x
6. H. Seidl, **V. Vene**, M. Müller-Olm. Global invariants for analysing multi-threaded applications. *Proc. of Estonian Acad. of Sci., Phys., Math.*, v. 52, n. 4, pp. 413-436, 2003.
7. **T. Uustalu**. Generalizing substitution. *Theor. Inform. and Appl.*, v. 37, n. 4, pp. 315-336, 2003. doi: 10.1051/ita:2003022
8. **T. Uustalu**. Monad translating inductive and coinductive types. In H. Geuvers, F. Wiedijk, eds., *Selected Papers from 2nd Int. Wksh. on Types for Proofs and Programs, TYPES'02 (Berg en Dal, Apr. 2002)*, v. 2646 of *Lect. Notes in Comput. Sci.*, pp. 299-315. Springer, Berlin, 2003. article at SpringerLink
9. **T. Uustalu**, **V. Vene**. An alternative characterization of complete iterativeness (extended abstract). In Z. Ésik, I. Walukiewicz, eds., *Proc. of 5th Int. Wksh. on Fixed Points in Computer Science, FICS'03 (Warsaw, Apr. 2003)*, pp. 81-83. Warsaw Univ., 2003.
10. J. Vain, **T. Uustalu**, guest eds., *Proc. of Estonian Acad. of Sci., Phys., Math.*, v. 52, n. 4 (Selected Papers from 14th Nordic Wksh. on Programming Theory, NWPT '02, Tallinn, Nov. 2002), 2003.

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11. T. Altenkirch, **T. Uustalu**. Normalization by evaluation for $\lambda^{\rightarrow,2}$. In Y. Kameyama, P. J. Stuckey, eds., *Proc. of 7th Int. Symp. on Functional and Logic Programming, FLOPS 2004 (Nara, Apr. 2004)*, v. 2998 of *Lect. Notes in Comput. Sci.*, pp. 260-275. Springer, 2004. article at SpringerLink
12. G. Barthe, E. Giménez, M. J. Frade, L. Pinto, **T. Uustalu**. Type-based termination of recursive definitions. *Math. Struct. in Comput. Sci.*, v. 14, n. 1, pp. 97-141, 2004. doi: 10.1017/s0960129503004122
13. V. Capretta, **T. Uustalu**, **V. Vene**. Recursive coalgebras from comonads. In J. Adámek, S. Milius, eds., *Proc. of 7th Int. Wksh. on Coalgebraic Methods in Computer Science, CMCS'04 (Barcelona, March 2004)*, v. 106 of *Electron. Notes in Theor. Comput. Sci.*, pp. 43-61. Elsevier, 2004. doi: 10.1016/j.entcs.2004.02.034
14. N. Ghani, **T. Uustalu**. Coproducts of ideal monads. *Theor. Inform. and Appl.*, v. 38, n. 4, pp. 321-342, 2004. doi: 10.1051/ita:2004016
15. N. Ghani, **T. Uustalu**, **V. Vene**. Build, augment and destroy, universally. In W.-N. Chin, ed., *Proc. of 2nd Asian Symp. on Programming Languages and Systems, APLAS 2004 (Taipei, Nov. 2004)*, v. 3302 of *Lect. Notes in Comput. Sci.*, pp. 327-347. Springer, 2004. article at SpringerLink
16. N. Ghani, **T. Uustalu**, **V. Vene**. Generalizing the augment combinator. In H.-W. Loidl, ed., *Proc. of 5th Symp. on Trends in Functional Programming, TFP '04 (München, Nov. 2004)*, pp. 65-76. Ludwig-Maximilians-Univ. München, 2004.
17. R. Matthes, **T. Uustalu**. Substitution in non-wellfounded syntax with variable binding. *Theor. Comput. Sci.*, v. 327, n. 1-2, pp. 155-174, 2004. doi: 10.1016/j.tcs.2004.07.025
18. **H. Tamm**. On minimality and size reduction of one-tape and multitape finite automata (PhD thesis), Report A-2004-9, Dept. of Comput. Sci., viii+80 pp. Univ. of Helsinki, 2004. thesis at U of Helsinki
19. **H. Tamm**, E. Ukkonen. Bideterministic automata and minimal representations of regular languages. *Theor. Comput. Sci.*, v. 328, n. 1-2, pp. 135-149, 2004. doi: 10.1016/j.tcs.2004.07.010

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20. A. Abel, R. Matthes, **T. Uustalu**. Iteration schemes for higher-order and nested datatypes. *Theor. Comput. Sci.*, v. 333, n. 1-2, pp. 3-66, 2005. doi: 10.1016/j.tcs.2004.10.017
21. G. Barthe, T. Rezk, **A. Saabas**. Proof obligations preserving compilation. In T. Dimitrakos, F. Martinelli, P. Ryan, S. Schneider, eds., *Proc. of 3rd Int. Wksh. on Formal Aspects in Security and Trust, FAST '05 (Newcastle upon Tyne, July 2005)*, Techn. report IIT TR-13/2005, pp. 109-124. Ist. di Informatica e Telematica, Consiglio Nazionale delle Ricerche, 2005.
22. N. Ghani, P. Johann, **T. Uustalu**, **V. Vene**. Monadic augment and generalised short cut fusion. In *Proc. of 10th ACM SIGPLAN Int. Conf. on Functional Programming, ICFP'05 (Tallinn, Sept. 2005)*, pp. 294-305. ACM Press, 2005. doi: 10.1145/1086365.1086403
23. N. Ghani, P. Johann, **T. Uustalu**, **V. Vene**. Monadic augment and generalised short cut fusion. *ACM SIGPLAN Notices*, v. 40, n. 9, pp. 294-305, 2005. doi: 10.1145/1090189.1086403
24. **P. Laud**, **T. Uustalu**, **V. Vene**. Type systems equivalent to dataflow analyses for imperative languages. In M. Hofmann, H.-W. Loidl, eds., *Proc. of 3rd APPSEM II Wksh., APPSEM '05 (Frauenchiemsee, Sept. 2005)*, 12 pp. Ludwig-Maximilians-Univ. München, 2005.
25. **P. Laud**, **V. Vene**. A type system for computationally secure information flow. In M. Liskiewicz, R. Reischuk, eds., *Proc. of 15th Int. Symp. on Fundamentals of Computation Theory, FCT 2005 (Lübeck, Aug. 2005)*, v. 3623 of *Lect. Notes in Comput. Sci.*, pp. 365-377. Springer, 2005. doi: 10.1007/11537311_32
26. **H. Nestra**. Transfinite corecursion. *Nordic J. of Computing*, v. 12, n. 2, pp. 133-156, 2005.
27. **H. Nestra**. Transfinite semantics in program slicing. In **V. Vene**, M. Meriste, eds., *Proc. of 9th Symp. on Programming Languages and Software Tools, SPLST 2005 (Tartu, Aug. 2005)*, pp. 126-140. Univ. of Tartu, 2005.
28. **H. Nestra**. Transfinite semantics in program slicing. *Proc. of Estonian Acad. of Sci., Engineering*, v. 11, n. 4, pp. 313-328, 2005.
29. **O. Shkaravska**. Amortized heap-space analysis for first-order functional programs. In M. van Eekelen, ed., *Proc. of 6th Symp. on Trends in Functional Programming, TFP '05 (Tallinn, Sept. 2005)*, pp. 281-296. Inst. of Cybern., 2005.
30. **O. Shkaravska**. Types with semantics: soundness proof assistant. In A. Momigliano, R. Pollack, eds., *Proc. of 3rd ACM SIGPLAN Wksh. on Mechanized Reasoning about Languages with Variable Binding, MERLIN '05 (Tallinn, Sept. 2005)*, pp. 50-57. ACM Press, 2005. doi: 10.1145/1088454.1088461
31. **T. Uustalu**, **V. Vene**. Comonadic functional attribute evaluation. In M. van Eekelen, ed., *Proc. of 6th Symp. on Trends in Functional Programming, TFP '05 (Tallinn, Sept. 2005)*, pp. 33-43. Inst. of Cybern., 2005.
32. **T. Uustalu**, **V. Vene**. Signals and comonads. In M. A. Musicante, R. M. F. Lima, eds., *Proc. of 9th Brazilian Symp. on Programming Languages, SBLP'05 (Recife, PE, May 2005)*, pp. 215-228. Univ. de Pernambuco, Recife, 2005.
33. **T. Uustalu**, **V. Vene**. Signals and comonads. *J. of Univ. Comput. Sci.*, v. 11, n. 7, pp. 1310-1326, 2005. article at publisher's website
34. **T. Uustalu**, **V. Vene**. The essence of dataflow programming (short version). In K. Yi, ed., *Proc. of 3rd Asian Symp. on Programming Languages and Systems, APLAS 2005 (Tsukuba, Nov. 2005)*, v. 3780 of *Lect. Notes in Comput. Sci.*, pp. 2-18. Springer, 2005. doi: 10.1007/11575467_2
35. **V. Vene**, M. Meriste, eds., *Proc. of 9th Symp. on Programming Languages and Software Tools, SPLST 2005 (Tartu, Sept. 2005)*, 234 pp. Univ. of Tartu, 2005.
36. **V. Vene**, **T. Uustalu**, eds. *Revised Lectures from 5th Int. School on Advanced Functional Programming, AFP 2004 (Tartu, Aug. 2004)*, v. 3622 of *Lect. Notes in Comput. Sci.*, x+357 pp. Springer, 2005. doi: 10.1007/11546382

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37. G. Barthe, T. Rezk, **A. Saabas**. Proof obligations preserving compilation. In T. Dimitrakos, F. Martinelli, P. Y. A. Ryan, S. Schneider, eds., *Revised Selected Papers from 3rd Int. Wksh. on Formal Aspects in Security and Trust, FAST 2005 (Newcastle upon Tyne, July 2005)*, v. 3866 of *Lect. Notes in Comput. Sci.*, pp. 112-126. Springer, 2006. doi: 10.1007/11679219_9
38. V. Capretta, **T. Uustalu**, **V. Vene**. Recursive coalgebras from comonads. *Inform. and Comput.*, v. 204, n. 4, pp. 437-468, 2006. doi: 10.1016/j.ic.2005.08.005
39. N. Ghani, M. Hamana, **T. Uustalu**, **V. Vene**. Representing cyclic structures as nested datatypes. In H. Nilsson, ed., *Proc. of 7th Symp. on Trends in Functional Programming, TFP 2006 (Nottingham, Apr. 2006)*, pp. 173-188. Univ. of Nottingham, 2006.
40. N. Ghani, **T. Uustalu**, M. Hamana. Explicit substitutions and higher-order syntax. *Higher-Order and Symbolic Comput.*, v. 19, n. 2-3, pp. 263-282, 2006. doi: 10.1007/s10990-006-8748-4
41. N. Ghani, **T. Uustalu**, **V. Vene**. Generalizing the augment combinator. In H.-W. Loidl, ed., *Trends in Functional Programming 5*, pp. 65-78. Intellect, 2006.
42. S. Gilmore, **O. Shkaravska**. Estimating the cost of native method calls for resource-bounded functional programming languages. In N. Thomas, ed., *Proc. of 2nd Int. Wksh. on Practical Applications of Stochastic Modelling, PASM '05 (Newcastle upon Tyne, July 2005)*, v. 151, n. 3 of *Electron. Notes in Theor. Comput. Sci.* Elsevier, 2006. doi: 10.1016/j.entcs.2006.03.010
43. M. Hamana, N. Ghani, **T. Uustalu**, **V. Vene**. Representing cyclic structures as nested datatypes. In A. Takana, ed., *Proc. of 23th Conf. of Japan Society for Software Science and Technology, JSSST 06 (Tokyo, Sept. 2006)*, 8 pp. Univ. of Tokyo, 2006.

44. M. Johnson, **V. Vene**, eds., *Proc. of 11th Int. Conf. on Algebraic Methodology and Software Technology, AMAST 2006 (Kuressaare, July 2006)*, v. 4019 of *Lect. Notes in Comput. Sci.*, xi+389 pp. Springer, 2006. doi: 10.1007/11784180
45. **J.Kabanov, V. Vene**. Recursion schemes for dynamic programming. In T. Uustalu, ed., *Proc. of 8th Int. Conf. on Mathematics of Program Construction, MPC 2006 (Kuressaare, July 2006)*, v. 4014 of *Lect. Notes in Comput. Sci.*, pp. 235-252. Springer, 2006. doi: 10.1007/11783596.15
46. **P. Laud, T. Uustalu, V. Vene**. Type systems equivalent to data-flow analyses for imperative languages. *Theor. Comput. Sci.*, v. 364, n. 3, pp. 292-310, 2006. doi: 10.1016/j.tcs.2006.08.013
47. C. McBride, **T. Uustalu**, eds. *Proc. of Wksh. on Mathematically Structured Functional Programming, MSFP 2006 (Kuressaare, July 2006)*, *Electron. Wkshs. in Computing*. British Comput. Soc., 2006. volume at publisher's website
48. O. Mürk, **J.Kabanov**. Aranea: web framework construction and integration kit. In *Proc. of 4th Int. Conf. on Principles and Practice of Programming in Java, PPPJ 2006 (Mannheim, Aug./Sept. 2006)*, v. 178 of *ACM Int. Conf. Proc. Series*, pp. 163-172. ACM Press, 2006. doi: 10.1145/1168054.1168077
49. **H. Nestra**. Fractional semantics. In M. Johnson, **V. Vene**, eds., *Proc. of 11th Int. Conf. on Algebraic Methodology and Software Technology, AMAST 2006 (Kuressaare, July 2006)*, v. 4019 of *Lect. Notes in Comput. Sci.*, pp. 278-292. Springer, 2006. doi: 10.1007/11784180.22
50. **H. Nestra**. Iteratively defined transfinite trace semantics and program slicing with respect to them. V. 49 of *Diss. Math. Univ. Tartuensis*. Univ. of Tartu, 2006. handle: 10062/1109
51. J. Peetre, **J. Penjam**, eds. *Semigroups and Automata: Selecta Uno Kaljulaid (1941-1999)*, xxiv+472 pp. IOS Press, 2006. book at IOS Press BooksOnline
52. **A. Saabas, T. Uustalu**. A compositional natural semantics and Hoare logic for low-level languages. In P. D. Mosses, I. Ulidowski, eds., *Proc. of 2nd Wksh. on Structured Operational Semantics, SOS 2005 (Lisbon, July 2005)*, v. 156, n. 1 of *Electron. Notes in Theor. Comput. Sci.*, pp. 151-168. Elsevier, 2006. doi: 10.1016/j.entcs.2005.09.031
53. **A. Saabas, T. Uustalu**. Compositional type systems for stack-based low-level languages. In B. Jay, J. Gudmundsson, eds., *Proc. of 12th Computing, Australasian Theory Symp., CATS 2006 (Hobart, Jan. 2006)*, v. 51 of *Conf. in Research and Practice in Inform. Techn.*, pp. 27-39. Australian Comput. Soc., 2006. article at ACM DL
54. **H. Tamm**, M. Nykänen, E. Ukkonen. Size reduction of multitape automata. In J. Farré, I. Litovsky, S. Schmitz, eds., *Revised Selected Papers from 10th Int. Conf. on Implementation and Application of Automata, CIAA 2005 (Sophia Antipolis, June 2005)*, v. 3845 of *Lect. Notes in Comput. Sci.*, pp. 307-318. Springer, 2006. doi: 10.1007/11605157_26
55. **H. Tamm**, M. Nykänen, E. Ukkonen. On size reduction techniques for multitape automata. *Theor. Comput. Sci.*, v. 363, n. 2, pp. 234-246, 2006. doi: 10.1016/j.tcs.2006.07.027
56. **T. Uustalu**, ed. *Proc. of 8th Int. Conf. on Mathematics of Program Construction, MPC 2006 (Kuressaare, July 2006)*, v. 4014 of *Lect. Notes in Comput. Sci.*, x+455 pp. Springer, 2006. doi: 10.1007/11783596
57. **T. Uustalu, V. Vene**. The essence of dataflow programming (full version). In Z. Horváth, ed., *Revised Selected Lectures from 1st Central-European Functional Programming School, CEFP 2005 (Budapest, July 2005)*, v. 4164 of *Lect. Notes in Comput. Sci.*, pp. 135-167. Springer, 2006. doi: 10.1007/11894100.5

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58. M. J. Frade, **A. Saabas, T. Uustalu**. Foundational certification of data-flow analyses. In *Proc. of 1st Joint IEEE/IFIP Symp. on Theor. Aspects of Software Engineering, TASE 2007 (Shanghai, June 2007)*, pp. 107-116. IEEE CS Press, 2007. doi: 10.1109/tase.2007.27
59. I. Hasuo, B. Jacobs, **T. Uustalu**. Categorical views on computations on trees. In L. Arge, C. Cachin, T. Jurdzinski, A. Tarlecki, eds., *Proc. of 34th Int. Coll. on Automata, Languages and Programming, ICALP 2007 (Wroclaw, July 2007)*, v. 4596 of *Lect. Notes in Comput. Sci.*, pp. 619-630. Springer, 2007. doi: 10.1007/978-3-540-73420-8_54
60. B. Jacobs, **T. Uustalu**. Semantics of grammars and attributes via initiality. In E. Barendsen, V. Capretta, H. Geuvers, M. Niqui, eds., *Reflections on Type Theory, Lambda-Calculus, and the Mind: Essays Dedicated to Henk Barendregt on the Occasion of His 60th Birthday*, pp. 181-196. Radboud Univ. Nijmegen, 2007.
61. C. McBride, **T. Uustalu**, guest eds. *J. of Funct. Program.* (Selected Papers from Wksh. on Mathematically Structured Functional Programming, MSFP 2006, Kuressaare, July 2006), to appear.
62. **A. Saabas, T. Uustalu**. A compositional natural semantics and Hoare logic for low-level languages. *Theor. Comput. Sci.*, v. 373, n. 3, pp. 273-302, 2007. doi: 10.1016/j.tcs.2006.12.020
63. **A. Saabas, T. Uustalu**. Type systems for optimizing stack-based code. In M. Huisman, F. Spoto, eds., *Proc. of 2nd Wksh. on Bytecode Semantics, Verification, Analysis and Transformation, Bytecode 2007 (Braga, March 2007)*, v. 190, n. 1 of *Electron. Notes in Theor. Comput. Sci.*, pp. 103-119. Elsevier, 2007. doi: 10.1016/j.entcs.2007.02.063
64. **A. Saabas, T. Uustalu**. Program and proof optimizations with type systems. *J. of Logic and Algebraic Program.*, to appear.
65. **A. Saabas, T. Uustalu**. Proof optimization for partial redundancy elimination. In *Proc. of 2008 ACM SIGPLAN Wksh. on Partial Evaluation and Semantics-Based Program Manipulation, PEPM 2008 (San Francisco, CA, Jan. 2008)*, pp. 91-101. ACM Press, 2008. doi: 10.1145/1328408.1328422

66. **H. Tamm.** On transition minimality of bideterministic automata. In T. Harju, J. Karhumäki, A. Lepistö, eds., *Proc. of 11th Int. Conf. on Developments in Language Theory, DLT 2007 (Turku, July 2007)*, v. 4588 of *Lect. Notes of Comput. Sci.*, pp. 411-421. Springer, 2007. doi: 10.1007/978-3-540-73208-2_38
67. **H. Tamm.** On transition minimality of bideterministic automata. *Int. J. of Found. of Comput. Sci.*, to appear.
68. **A. Toom, T. Näks, M. Pantel, M. Gandriau, I. Wati.** GeneAuto: an automatic code generator for a safe subset of SimuLink/StateFlow and Scicos. In *Proc. of 4th Europ. Conf. on Embedded Real-Time Software, ERTS 2008 (Toulouse, Jan./Feb 2008)*, to appear.
69. **T. Uustalu**, guest ed. *Sci. of Comput. Program.* (Selected Papers from 8th Int. Conf. on Mathematics of Program Construction, MPC 2006, Kuressaare, July 2006), to appear.
70. **T. Uustalu, V. Vene.** Comonadic functional attribute evaluation. In M. van Eekelen, ed., *Trends in Functional Programming 6*, pp. 145-162. Intellect, 2007.
71. **V. Vojdani, V. Vene.** Goblin: path-sensitive data race analysis. In Z. Horváth, L. Kozma, V. Zsók, eds., *Proc. of 10th Symp. on Programming Languages and Software Tools, SPLST 2007 (Dobogókö, June 2007)*, pp. 130-141. Eötvös Loránd Univ., 2007.

D.2 Information security

2003

72. **A. Ansper, A. Buldas, M. Freudenthal, J. Willemson.** Scalable and efficient PKI for inter-organizational communication. In *Proc. of 19th Ann. Computer Security Applications Conf., ACSAC 2003 (Las Vegas, NV, Dec. 2003)*, pp. 308-318. IEEE CS Press, 2003. doi: 10.1109/csac.2003.1254335
73. **A. Buldas, M. Saarepera.** Electronic signature system with small number of private keys. In *Pre-Proc. of 2nd Ann. PKI Research Wksh. 2003 (Gaithersburg, MD, Apr. 2003)*, pp. 96-108. 2003.
74. **P. Laud.** Handling encryption in an analysis for secure information flow. In P. Degano, ed., *Proc. of 12th Europ. Symp. on Programming, ESOP 2003 (Warsaw, Apr. 2003)*, v. 2618 of *Lect. Notes in Comput. Sci.*, pp. 159-173. Springer, Berlin, 2003. article at SpringerLink
75. **P. Laud, R. Corin.** Sound computational interpretation of formal encryption with composed keys. In *Pre-Proc. of 6th Int. Conf. on Information Security and Cryptology, ICISC 2003 (Seoul, Nov. 2003)*. 2003.
76. **H. Lipmaa.** On diophantine complexity and statistical zero-knowledge arguments. In C. S. Lai, ed., *Proc. of 9th Int. Conf. on the Theory and Application of Cryptology and Information Security, ASIACRYPT 2003 (Taipei, Nov./Dec. 2003)*, v. 2894 of *Lect. Notes in Comput. Sci.*, pp. 398-415. Springer, 2003. article at SpringerLink
77. **H. Lipmaa.** Verifiable homomorphic oblivious transfer and private equality test. In C. S. Lai, ed., *Proc. of 9th Int. Conf. on the Theory and Application of Cryptology and Information Security, ASIACRYPT 2003 (Taipei, Nov./Dec. 2003)*, v. 2894 of *Lect. Notes in Comput. Sci.*, pp. 416-433, Taipei, Taiwan, November 30-December 4, 2003. Springer-Verlag. Springer, 2003. article at SpringerLink
78. **M. Roos, P. Laud, J. Willemson.** Improving the Gnutella protocol against poisoning. In S. J. Knapskog, ed., *Proc. of 8th Nordic Wksh. on Secure IT Systems: Encouraging Cooperation, NordSec 2003 (Gjøvik, Oct. 2003)*, pp. 185-194. NTNU, Trondheim, 2003.
79. **J. Zaitseva, J. Willemson, J. Pöial.** Tutorial environment for cryptographic protocols. In S. J. Knapskog, ed., *Proc. of 8th Nordic Wksh. on Secure IT Systems: Encouraging Cooperation, NordSec 2003 (Gjøvik, Oct. 2003)*, pp. 175-184. NTNU, Trondheim, 2003.

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81. **A. Buldas, M. Saarepera.** On provably secure time-stamping schemes. In P. J. Lee, ed., *Proc. of 10th Int. Conf. on Theory and Application of Cryptology and Information Security, ASIACRYPT 2004 (Jeju Island, Dec. 2004)*, v. 3329 of *Lect. Notes in Comput. Sci.*, pp. 500-514. Springer, 2004. article at SpringerLink
82. E. Elkind, **H. Lipmaa.** Interleaving cryptography and mechanism design: the case of online auctions. In A. Juels, ed., *Proc. of 8th Int. Conf. on Financial Cryptography, FC 2004 (Key West, FL, Feb. 2004)*, v. 3110 of *Lect. Notes in Comput. Sci.*, pp. 117-131. Springer, 2004. article at SpringerLink
83. B. Goethals, **S. Laur, H. Lipmaa, T. Mielikäinen.** On private scalar product computation for privacy-preserving data mining. In *Pre-Proc. of 7th Int. Conf. on Information Security and Cryptology, ICISC 2004 (Seoul, Dec. 2004)*. 2004.
84. **P. Laud, R. Corin.** Sound computational interpretation of formal encryption with composed keys. In J. I. Lim, D. H. Lee, eds., *Revised Papers from 6th Int. Conf. on Information Security and Cryptology, ICISC 2003 (Seoul, Nov. 2003)*, v. 2971 of *Lect. Notes in Comput. Sci.*, pp. 55-66. Springer, 2004. article at SpringerLink
85. **P. Laud.** Encryption in automatic analyses for confidentiality against active adversaries. In *Proc. of 2004 IEEE Symp. on Security and Privacy, S&P 2004 (Berkeley, CA, May 2004)*, pp. 71-85. IEEE CS Press, 2004. doi: 10.1109/secpri.2004.1301316
86. **S. Laur, H. Lipmaa.** On private similarity search protocols. In S. Liimatainen, T. Virtanen, eds., *Proc. of 9th Nordic Wksh. on Secure IT Systems, NordSec 2004 (Espoo, Nov. 2004)*, pp. 73-77. 2004.

87. **H. Lipmaa**. Statistical zero-knowledge arguments: theory and practice (invited survey). In *Proc. of 4th European Congress on Computational Methods in Applied Sciences and Engineering, ECCOMAS 2004 (Jyväskylä, July 2004)*. 2004.
88. **H. Lipmaa**, J. Wallén, P. Dumas. On the additive differential probability of exclusive-or. In B. Roy and W. Meier, eds., *Proc. of 11th Int. Wksh. on Fast Software Encryption, FSE 2004 (Delhi, Feb. 2004)*, v. 3017 of *Lect. Notes in Comput. Sci.*, pp. 317-331. Springer, 2004. article at SpringerLink
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