References

[1] Sergei Artemov, Jennifer Davoren, and Anil Nerode. Topological semantics for hybrid systems. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 1–8. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[2] Gilles Barthe and Morten Heine Sørensen. Domain-free pure type systems. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 9–20. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[3] Oleg V. Belegradek, Alexei P. Stolboushkin, and Michael A. Taitslin. Generic queries over quasi-*o*-minimal domains. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 21–32. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[4] Michael A. Bukatin and Joshua S. Scott. Towards computing distances between programs via scott domains. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 33–43. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[5] Peter Clote. A safe recursion scheme for exponential time. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 44–

52. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[6] Bruno Courcelle. Finite model theory, universal algebra and graph grammars. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 53–55. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[7] Evgeny Dantsin and Andrei Voronkov. Complexity of query answering in logic databases with complex values. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 56–66. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[8] Philippe de Groote. An algebraic correctness criterion for intuitionistic proof-nets. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 130–140. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[9] Michael I. Dekhtyar and Alexander J. Dikovsky. Recognition of deductive data base stability. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 67–77. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[10] Sergey M. Dudakov. The concurrency complexity for the horn fragment of linear logic. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of*

Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997), volume 1234 of *LNCS*, pages 78–87. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[11] Valery Durnev. Studying algorithmic problems for free semi-groups and groups. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 88–101. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[12] Rūsiņš Freivalds, Gints Tervits, Rolf Wiehagen, and Carl Smith. Learning small programs with additional information. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 102–112. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[13] Michael Gavrilovich. Cut elimination for the second order propositional logic with hilbert's ϵ-symbol, extensionality, and full comprehension. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 113–118. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[14] Mikhail Golovanov. Finite bases of admissible rules for the logic $s5_2c$. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 119–129. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[15] David Harel. Towards a theory of recursive structures. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International*

Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997), volume 1234 of *LNCS*, pages 141–144. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[16] Bernhard Heinemann. On the complexity of prefix formulas in modal logic of subset spaces. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 145–155. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[17] Alexei P. Kopylov. The undecidability of second order linear affine logic. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 156–166. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[18] Vladimir N. Krupski. Operational logic of proofs with functionality condition on proof predicate. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 167–177. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[19] Alexei Lisitsa and Vladimir Sazonov. On linear ordering of strongly extensional finitely-branching graphs and non-well-founded sets. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 178–188. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[20] G.S. Makanin, H. Abdulrab, and P. Goralcik. Functions for the general solution of parametric word equations. In Sergei Adian and Anil

Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 189–202. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[21] Evgeny Makarov. A proof procedure for hereditary harrop formulas with free equality. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 203–213. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[22] V.W. Marek, A. Nerode, and J.B. Remmel. Basic forward chaining construction for logic programs. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 214–225. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[23] Maurice Margenstern. Decidability and undecidability of the halting problem on turing machines, a survey. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 226–236. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[24] Jean-Yves Marion. Case study: Additive linear logic and lattices. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 237–247. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[25] Yuri Matiyasevich. Some decision problems for traces. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International*

Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997), volume 1234 of *LNCS*, pages 248–257. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[26] G. Mints. Existential instantiation and strong normalization. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 258–265. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[27] Alexey Mkrtychev. Models for the logic of proofs. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 266–275. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[28] Ulrich Nitsche. Interpretation of the full computation tree logic ctl* on sets of infinite sequences. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 276–282. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[29] Hitoshi Ohsaki and Aart Middeldorp. Type introduction for equational rewriting. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 283–293. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[30] Martin Otto. Capturing bisimulation-invariant ptime. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97*

(Yaroslavl, Russia, July 6-12, 1997), volume 1234 of *LNCS*, pages 294–305. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[31] Mati Pentus. Equivalence of multiplicative fragments of cyclic linear logic and noncommutative linear logic. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 306–311. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[32] G. Perrier. A decidable fragment of second order linear logic. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 312–322. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[33] Igor Rents and Nikolaj Shilov. Some results on propositional dynamic logic with fixed points. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 323–332. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[34] Vladimir V. Rybakov. Quasi-characteristic inference rules for modal logics. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 333–341. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[35] Tatiana Sidon. Provability logic with operations on proofs. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97*

(*Yaroslavl, Russia, July 6-12, 1997*), volume 1234 of *LNCS*, pages 342–353. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[36] Robert F. Stärk. Formal verification of logic programs: Foundations and implementation. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 354–368. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[37] Igor L. Tandetnik. Unification of terms with term-indexed variables. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 369–373. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[38] Igor V. Tarasyuk. Back-forth equivalences for design of concurrent systems. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 374–384. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[39] G.S. Tseytin. Association nets: An alternative formalization of common thinking. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 385–398. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[40] Hongwei Xi. Simulating η-expansions with β-reductions in the second-order polymorphic λ-calculus. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations*

of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 399–409. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[41] Rostislav E. Yavorsky. Logical schemes for first order theories. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 410–418. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

[42] Vladimir Zakharov. Verification of pltl formulae by means of monotone disjunctive normal forms. In Sergei Adian and Anil Nerode, editors, *Proceedings of the 4th International Symposium on Logical Foundations of Computer Science, LFCS'97 (Yaroslavl, Russia, July 6-12, 1997)*, volume 1234 of *LNCS*, pages 419–429. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.