References

[1] M. Auguston. Writing and verifying sequential files updating programs. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 102–111. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[2] François Bancilhon. On the completeness of query languages for relational data bases. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 112–123. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[3] Gerhard Barth. Mastering contextsensitivity in programming languages. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 124–133. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[4] J.A. Bergstra. Decision problems concerning parallel programming. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 134–142. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[5] B. Courcelle and M. Nivat. The algebraic semantics of recursive program schemes. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 16–30. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[6] Piotr Dembiński and Jan Małuszyński. Attribute grammars and two-level grammars: A unifying approach. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 143–154. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[7] Edsger W. Dijkstra. Finding the correctness proof of a concurrent program. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 31–38. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[8] H.-D. Ehrich. Extensions and implementations of abstract data type specifications. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 155–164. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[9] Hartmut Ehrig, Hans-Jörg Kreowski, Andrea Maggiolo-Schettini, Barry K. Rosen, and Josef Winkowski. Deriving structures from structures. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 177–190. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[10] Hartmut Ehrig and Barry K. Rosen. Concurrency of manipulations in multidimensional information structures. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 165–176. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[11] Nissim Francez, C.A.R. Hoare, and Willem P. de Roever. Semantics of nondeterminism, concurrency and communication. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 191–200. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[12] G. Gardarin. Contribution to the theory of concurrency in databases. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 201–212. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[13] Hartmann J. Genrich and Kurt Lautenbach. Facts in place/transition-nets. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 213–231. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[14] Bernhard Goetze and Werner Nehrlich. Loop programs and classes of primitive recursive functions. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 232–238. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[15] M. Grabowski and A. Kreczmar. Dynamic theories of real and complex numbers. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 239–249. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[16] D.Yu. Grigoriev. Multiplicative complexity of a pair of bilinear forms and of the polynomial multiplication. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 250–256. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[17] Irène Guessarian. Some applications of algebraic semantics. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 257–266. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[18] C.J. Hogger. Goal-oriented derivation of logic programs. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 267–276. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[19] Jacek Irlik. Transforming recursion equations to algorithms. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathemati-*

cal Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978), volume 64 of *LNCS*, pages 277–285. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[20] Gérard Jacob. Structural invariants for some classes of structured programs. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 286–297. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[21] Ryszard Janicki. Synthesis of concurrent schemes. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 298–307. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[22] Reinhard Klette. Fast matrix multiplication by boolean ram in linear storage. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 308–314. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[23] Előd Knuth. Cycles of partial orders. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 315–325. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[24] V.E. Kotov. An algebra for parallelism based on petri nets. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 39–55. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[25] Gerhard Lischke. Complexity measures defined by mazurkiewicz-algorithms. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 326–332. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[26] Leon Łukaszewicz. On functional grammars. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 333–344. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[27] George Markowsky, J. Lawrence Carter, and Mark N. Wegman. Analysis of a universal class of hash functions. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 345–354. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[28] O. Mayer. A framework for producing deterministic canonical bottom-up parsers. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 355–363. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[29] Brian H. Mayoh. Data types as functions. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 56–70. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[30] R. Meersman and G. Rozenberg. Cooperating grammar systems. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 364–373. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[31] Robin Milner. Synthesis of communicating behaviour. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 71–83. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[32] M. Moalla, J. Pulou, and J. Sifakis. Synchronized petri nets : A model for the description of non-autonomous sytems. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations*

of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978), volume 64 of *LNCS*, pages 374–384. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[33] V.A. Nepomniaschy. On divergence and halting problems for monadic program schemas. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 385–392. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[34] O. Nevalainen, M. Jakobsson, and R. Berg. Compression of clustered inverted files. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 393–402. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[35] Rohit Parikh. The completeness of propositional dynamic logic. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 403–415. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[36] Alberto Pettorossi. Improving memory utilization in transforming recursive programs. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 416–425. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[37] Jan Pittl. On two subclasses of real-time grammars. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 426–435. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[38] Zbigniew Raś. On information storage and retrieval systems — an algebraic approach, part i. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of

LNCS, pages 436–441. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[39] J. Rissanen. Theory of relations for databases — a tutorial survey. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 536–551. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[40] N. Saheb-Djahromi. Probabilistic lcf. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 442–451. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[41] Andrzej Salwicki. On algorithmic theory of stacks. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 452–461. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[42] Michael Schiffers and Horst Wedde. Analyzing program solutions of coordination problems by cp-nets. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 462–473. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[43] Joseph Sifakis. Structural properties of petri nets. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 474–483. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[44] Michel Sintzoff. Ensuring correctness by arbitrary postfixed-points. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 484–492. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[45] A.O. Slisenko. String-matching in real time: Some properties of the data structure. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 493–496. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[46] N. Spyratos and F. Bancilhon. Name independence and database abstraction in the relational model. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 497–505. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[47] Peter H. Starke. Free petri net languages. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 506–515. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[48] Esko Ukkonen. Transformations to produce certain covering grammars. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 516–525. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[49] Rüdiger Valk. On the computational power of extended petri nets. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 526–535. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[50] P. van Emde Boas. The connection between modal logic and algorithmic logics. In Józef Winkowski, editor, *Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978)*, volume 64 of *LNCS*, pages 1–15. Springer-Verlag, Berlin-Heidelberg-New York, 1978.

[51] Eric G. Wagner, James W. Thatcher, and Jesse B. Wright. Programming languages as mathematical objects. In Józef Winkowski, editor,

Proceedings of the 7th Symposium on Mathematical Foundations of Computer Science, MFCS'1978 (Zakopane, Poland, September 4-8, 1978), volume 64 of *LNCS*, pages 84–101. Springer-Verlag, Berlin-Heidelberg-New York, 1978.