

Proceedings, Books, and Special Issues Edited

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1980

Foundations of Computer Science III, part 1: MC Tract 108, Part II: MC Tract 109 (edited with J.W. de Bakker), Mathem. Centre, Amsterdam 1980.

Automata, Languages and Programming, Proc. Seventh Colloquium (edited with J.W. de Bakker), Lecture Notes in Computer Science, vol. 85, Springer-Verlag, Heidelberg, 1980.

1982

Colloquium Complexity and Algorithms, 2 volumes, MC Syllabus 48.1 & 48.2, (edited with P. Vitanyi and P. van Emde Boas), Mathematical Centre, Amsterdam, 1982.

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Foundations of Computer Science IV: Distributed Systems, Part 1: MC Tract 158, Part 2: MC Tract 159, (edited with J.W. de Bakker), Mathematical Centre, Amsterdam, 1983.

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“Topics in the Theory of Computation” (selected papers from FCT ’83, edited with M. Karpinski), *Annals of Discrete Math.*, vol 24, North-Holland Publ. Comp., Amsterdam, 1984.

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Special Issue, Papers Selected from International Conference on “Foundation of Computing Theory”, *Inf. & Control* 64 (1985) Numbers 1-3 (edited with M. Karpinski), Academic Press, 1985.

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Parallel Computers and Computations (edited with J.K. Lenstra), CWI Syll. 9, Centre for Mathematics and Computer Science, Amsterdam, 1986.

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2nd International Workshop on Distributed Algorithms: draft papers (edited with E. Gafni, M. Raynal, N. Santoro and S. Zaks), Techn. Rep. RUU-CS-87-10, University of Utrecht (1987).

Distributed Computing: 2nd International Workshop (editor), Lecture Notes in Computer Science, vol 312, Springer-Verlag, 1988.

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Graph-Theoretic Concepts in Computer Science (editor), Proceedings 14th International Workshop WG '88, Lecture Notes in Computer Science, vol 344, Springer-Verlag, 1989.

Computing Science in the Netherlands (edited with P.G.M. Apers and D. Bosman), Proceedings CSN 89, Vol 1 and 2, SION/Centre for Mathematics and Computer Science, Amsterdam, 1989.

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Handbook of Theoretical Computer Science (editor), Vol 1: Algorithms and Complexity, Elsevier Science Publishers, Amsterdam, 1990, 996 + ix pages (co-published by MIT Press, translated into Japanese by Maruzen).

Handbook of Theoretical Computer Science (editor), Vol 2: Formal Models and Semantics, Elsevier Science Publishers, Amsterdam, 1990, 1273 + ix pages (co-published by MIT Press, translated into Japanese by Maruzen).

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Distributed Algorithms: Proceedings 4th International Workshop (editor, with N. Santoro), Lecture Notes in Computer Science, Vol 486, Springer-Verlag, Berlin, 1991.

PARLE '91 - Parallel Architectures and Languages Europe: Proceedings (editor, with E.H.L. Aarts and M. Rem), Vol I: Parallel Architectures and Algorithms, Lecture Notes in Computer Science, Vol 505, Springer-Verlag, Berlin, 1991.

PARLE '91 - Parallel Architectures and Languages Europe: Proceedings (editor, with E.H.L. Aarts and M. Rem), Vol II: Parallel Languages, Lecture Notes in Computer Science, Vol 506, Springer-Verlag, Berlin, 1991.

Computing Science in the Netherlands (editor), Proceedings 5th National Conference (CSN '91), Utrecht, Vol 1 and 2, SION/Centre for Mathematics and Computer Science, Amsterdam, 1991.

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Information Processing 92: Proceedings IFIP 12th World Computer Congress (IFIP 92), Vol I: Algorithms, Software, Architecture (editor), North-Holland/Elsevier Science Publishers, Amsterdam, 1992, 718 + xxx pages.

Special Issue, Papers selected from the PARLE '91 Conference on “Parallel Architectures and Languages” (guest editor, with E.H.L. Aarts and M. Rem), *Future Generation Computer Systems* (FGCS), Vol 8, Nr 4, September 1992, pp 267-440.

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Graph-Theoretic Concepts in Computer Science (editor), Proceedings 19th International Workshop WG '93, Lecture Notes in Computer Science, Vol 790, Springer-Verlag, Berlin, 1994.

Algorithms - ESA '94 (editor), Proceedings 2nd Annual European Symposium, Lecture Notes in Computer Science, Vol 855, Springer-Verlag, Berlin, 1994.

Incremental Computation and Dynamic Algorithms (editor, with K. Mehlhorn and Th. Reps), Dagstuhl-Seminar-Report 88 (9418), Int. Begegnungs- und Forschungszentrum f. Informatik, Schloss Dagstuhl, 1994.

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Computer Science Today: Recent Trends and Developments (editor), Lecture Notes in Computer Science Vol. 1000, Springer-Verlag, Berlin, 1995, 643 + xiv pages.

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No Future Without Informatics (contributing author, in Dutch), Report of the Foresight Committee for Informatics in the Netherlands (“Verkenningcommissie Informatica”), Overlegcommissie Verkenningen, Amsterdam, 1996, 69+XIV pages.

1997

Five Years for Bèta Students (contributing author, in Dutch), Report of the Interuniversity Committee on the Necessity of a Fifth Curriculum Year for Science Students in the Netherlands (“Commissie Vijfde Jaar Bèta Studies”), University of Groningen, 1997, 76+VIII pages.

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Theoretical Computer Science - Exploring New Frontiers of Theoretical Informatics (editor, jointly with O. Watanabe, M. Hagiya, P.D. Mosses and T. Ito), Proc's Int. Conference IFIP TCS 2000, Lecture Notes in Computer Science Vol 1872, Springer-Verlag, Berlin, 2000.

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Automata, Languages and Programming(editor, jointly with F. Orejas and P.G. Spirakis), Proc's 28th Int. Colloquium ICALP 2001, Lecture Notes in Computer Science Vol 2076, Springer-Verlag, Berlin, 2001.

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De onderwijsvisitatie Informatica - Toegepaste Informatica - Computerwetenschappen, committee report (139 pages, contributing author), Vlaamse Interuniversitaire Raad, Brussels, July 2002.

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Interactief, intelligent en nog veel meer, Diëсреde 2003, published by: Communicatie Service Centrum, Universiteit Utrecht.

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Automata, Languages and Programming, Special Issue, Papers Selected from the 28th International Colloquium on Automata, Languages and Programming (ICALP'01, edited together with F. Orejas), Theoretical Computer Science 331 (2005) issue nr 1.

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SOFSEM 2007: Theory and Practice of Computer Science (editor, jointly with G.F. Italiano, W. van der Hoek, Chr. Meinel, H. Sack and F. Plásil), Proc's 33rd Conference on Current Trends in Theory and Practice of Computer Science, Lecture Notes in Computer Science Vol 4362, Springer-Verlag, Berlin, 2007.

SOFSEM 2007: Theory and Practice of Computer Science (editor, jointly with G.F. Italiano, W. van der Hoek, Chr. Meinel, H. Sack, F. Plásil and M. Bieliková), 33rd Conference on Current Trends in Theory and Practice of Computer Science, Proceedings Volume II, Institute of Computer Science AS CR, Prague, 2007.

2010

SOFSEM 2010: Theory and Practice of Computer Science (editor, jointly with A. Muscholl, D. Peleg, J. Pokorný and B. Rumpe), Proc's 36th Conference on Current Trends in Theory and Practice of Computer Science, Lecture Notes in Computer Science Vol 5901, Springer-Verlag, Berlin, 2010.

SOFSEM 2010: Theory and Practice of Computer Science (editor, jointly with M. Bieliková, A. Muscholl, D. Peleg, J. Pokorný and B. Rumpe), 36th Conference on Current Trends in Theory and Practice of Computer Science, Proceedings Volume II, Institute of Computer Science AS CR, Prague, 2010.

2011

Digitale en andere werkelijkheden, valedictory speech, Utrecht, 2011.

2013

Alan Turing; His Work and Impact (editor, with S.B. Cooper), Elsevier, Amsterdam, 2013 (xxi+914 pages).