

Curriculum Vita: Michael Albert

Personal Details

Michael H. Albert
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Canadian, New Zealand citizen
Languages: English, German, French

Education

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| 1984 | D.Phil., Oxon. |
| 1981 | B. Math. (Hons.) Waterloo. |

Employment History

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| 2008- | Associate Professor, Department of Computer Science,
University of Otago |
| 2002-2007 | Senior Lecturer, Department of Computer Science, Uni-
versity of Otago |
| 2001 | Lecturer, Department of Computer Science, University
of Otago |
| 1998-2000 | Senior Teaching Fellow, Department of Mathematics
and Statistics, Otago |
| 1993-1996 | Associate Professor, Department of Mathematics, Carnegie
Mellon University |
| 1987-1992 | Assistant Professor, Department of Mathematics, Carnegie
Mellon University |
| 1986-1987 | Assistant Professor, Department of Pure Mathematics,
University of Waterloo |
| 1984-1986 | NSERC Postdoctoral Fellow, Department of Pure Math-
ematics, University of Waterloo |

Distinctions

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|------|-------------------------------------------------------------------------|
| 1994 | Ashkin teaching award (College of Science), Carnegie Mellon University. |
| 1981 | Rhodes Scholar (Ontario). |
| 1981 | Alumni Gold Medal (University of Waterloo). |

Publications

Michael Albert, Mike Atkinson, Mathilde Bouvel, Anders Claesson, and Mark Dukes, *On the inverse image of pattern classes under bubble sort*, Journal of Combinatorics **2** (2011), no. 2, 231–244.

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Michael Albert, Andrés Cordón-Franco, Hans van Ditmarsch, David Fernández-Duque, Joost Joosten, and Fernando Soler-Toscano, *Secure communication of local states in interpreted systems*, International symposium on distributed computing and artificial intelligence, 2011, pp. 117–124.

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- M. H. Albert and S. A. Linton, *Growing at a perfect speed*, Combin. Probab. Comput. **18** (2009), no. 3, 301–308, DOI 10.1017/S0963548309009699. MR 2501429 (2010h:05010)
- M.H. Albert and R.J. Nowakowski (eds.), *Games of no chance 3*, Mathematical Sciences Research Institute publications, Cambridge University Press, 2009.
- M.H. Albert, R.E.L. Aldred, M.D. Atkinson, C.C. Handley, D.A. Holton, D.J. McCaughan, and B.E. Sagan, *Monotonic sequence games*, Games of No Chance III, Proc. BIRS Workshop on Combinatorial Games, July, 2005, Banff, Alberta, Canada, MSRI Publ., 2008, pp. 309-329.
- Brendan McCane and Michael Albert, *Distance functions for categorical and mixed variables*, Pattern Recognition Letters **29** (2008), 986–993.
- M. H. Albert, Micah Coleman, Ryan Flynn, and Imre Leader, *Permutations containing many patterns*, Ann. Comb. **11** (2007), no. 3-4, 265–270. MR 2376106
- M. H. Albert, M. D. Atkinson, and Robert Brignall, *Permutation classes of polynomial growth*, Ann. Comb. **11** (2007), no. 3-4, 249–264. MR 2376105
- M. H. Albert, Richard J. Nowakowski, and David Wolfe, *Lessons in Play*, A. K. Peters, 2007.
- M. H. Albert, *On the length of the longest subsequence avoiding an arbitrary pattern in a random permutation*, Random Structures Algorithms **31** (2007), no. 2, 227–238. MR 2343720
- M. H. Albert, R. E. L. Aldred, M. D. Atkinson, H. P. van Ditmarsch, C. C. Handley, D. A. Holton, D. J. McCaughan, and C. W. Monteith, *Cyclically closed pattern classes of permutations*, Australas. J. Combin. **38** (2007), 87–100. MR 2324277
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Michael H. Albert, Steve Linton, and Nik Ruškuc, *The insertion encoding of permutations*, Electron. J. Combin. **12** (2005), Research Paper 47, 31 pp. (electronic).MR2176523

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Michael H. Albert, Alexander Golynski, Angèle M. Hamel, Alejandro López-Ortiz, S. Srinivasa Rao, and Mohammad Ali Safari, *Longest increasing subsequences in sliding windows*, Theoret. Comput. Sci. **321** (2004), no. 2-3, 405–414.MR2076155 (2005c:68032)

M. H. Albert and R. J. Nowakowski, *NIM restrictions*, Integers **4** (2004), G1, 10 pp. (electronic).MR2056015

M. H. Albert, M. D. Atkinson, and M. Klazar, *The enumeration of simple*

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Michael H. Albert, Huiling Le, and Christopher G. Small, *Assessing landmark influence on shape variation*, Biometrika **90** (2003), no. 3, 669–678.MR2006843 (2004h:62007)

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- Michael Albert, Alan Frieze, and Bruce Reed, *Multicoloured Hamilton cycles*, Electron. J. Combin. **2** (1995), Research Paper 10, approx. 13 pp. (electronic).MR1327570 (96b:05058)
- Michael H. Albert and John Lawrence, *Unification in varieties of groups: nilpotent varieties*, Canad. J. Math. **46** (1994), no. 6, 1135–1149.MR1304337 (96b:20031)
- Michael H. Albert, *Measures on the random graph*, J. London Math. Soc. (2) **50** (1994), no. 3, 417–429.MR1299447 (95j:05155)
- Michael H. Albert and Alan M. Frieze, *Occupancy problems and random algebras*, Discrete Math. **87** (1991), no. 1, 1–8.MR1090184 (92e:06006)
- Michael H. Albert and Rami P. Grossberg, *Rich models*, J. Symbolic Logic **55** (1990), no. 3, 1292–1298.MR1071329 (92c:03038)
- Michael H. Albert, *Tests for injectivity in finitely generated universal Horn classes*, Algebra Universalis **27** (1990), no. 3, 362–370.MR1058480 (92e:03042)
- Michael H. Albert and Alan M. Frieze, *Random graph orders*, Order **6** (1989), no. 1, 19–30.MR1020453 (90i:06001)
- M. H. Albert and G. M. Kelly, *The closure of a class of colimits*, J. Pure Appl. Algebra **51** (1988), no. 1-2, 1–17.MR941885 (89g:18003a)
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versal Horn classes, *J. Symbolic Logic* **52** (1987), no. 3, 786–792.MR902991 (88i:03056)

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