Curriculum Vitae of Claire Kenyon

Address

Until December 23, 2003	*Starting December 30, 2003*	
Computer Science Department	LIX	4 rue de la Source Perdue
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Research area

Design and Analysis of Algorithms

Current position

Visiting Fellow at Princeton University (Fall 2003).
Professor of Computer Science at Ecole Polytechnique, since 2002.

Professional experience

Professor at Université Paris-Sud, 1997-2002.
CNRS Researcher, LIP, ENS Lyon, 1991-97.
Visiting faculty at Cornell, Summer 1997.
Visiting faculty at U.C. Berkeley, Summer 1996, 9/1994-8/95, and Fall 1992.
Visiting researcher at ICSI, Fall 1992.
CNRS Researcher, LIENS, ENS, 1990-1991.
DIMACS Post-Doc, 1989-1990.
INRIA Post-doctoral researcher at Princeton, 1988-89.
Consultant: NEC (1992), AT& T (1997–2001), Microsoft (1998–2003).

Awards

"Prix IBM Jeune Chercheur", 1991.
Junior member of "Institut Universitaire de France", 2002.

Diplomas

Habilitation to direct research (Lyon I, 1996).
Referees : Philippe Flajolet, François Jaeger, Bernard Ycart.
Committee : François Baccelli, Philippe Flajolet, Mark Jerrum, Jacques Mazoyer, Maurice Nivat (President), Brigitte Vallée, Bernard Ycart.
Thesis in Computer Science (Paris XI, 1988).
Referees : Philippe Flajolet, Jeffrey Vitter.
Committee : Guy Fayolle, Philippe Flajolet, Jean Françon, Dominique Gouyou-Beauchamps, Claude Puech (Thesis advisor), Jeffrey Vitter, Jean Vuillemin (President).

DEA ($\approx$ Masters) in Computer Science (Paris XI, 1985, with high honors).
Research project advisor : Claude Puech.
Research project topic : Stochastic geometry and Computer Science.
Maîtrise ($\approx$ B.A.) in Mathematics (Paris VII, 1984).
Student at Ecole Normale Supérieure (1983-88).

Past and present research interests

Approximation schemes, clustering, bin packing, scheduling, maximum cuts, probabilistic analysis of algorithms, Monte-Carlo algorithms for statistical physics, error-resilient algorithms, randomized algorithms, tiling algorithms, online algorithms, computational geometry.

Selected publications

1. Approximation Schemes for Clustering Problems, W. Fernandez de la Vega, Marek Karpinski, Claire Kenyon, and Yuval Rabani. Proceedings of the *Thirty-Fifth Annual ACM Symposium on Theory of Computing (STOC)*, 2003, pp 50–58.
2. A near-optimal solution to a two-dimensional cutting stock problem, Claire Kenyon and Eric Rémila, *Mathematics of Operations Research*, 25, 4, November 2000, 645-656. A preliminary version appeared in the proceedings of the 37*th Symposium on Foundations of Computer Science (FOCS)*, pp. 31-36, 1996.
3. On the sum-of-squares algorithm for bin packing. Janos Csirik, David S Johnson, Claire Kenyon, James B Orlin, Peter W Shor, and Richard R Weber. Proceedings of the *Thirty-Second Annual ACM Symposium on Theory of Computing (STOC)*, Portland, OR, May 21-23, pp. 208-217, 2000. Journal version submitted to JACM.
4. A Critical Phenomenon in a Broadcast Process. Will Evans, Claire Kenyon, Yuval Peres, and Leonard Schulmann. *Annals of Applied Probability*, Vol. 10, No. 2, May 2000, pp. 410-433.
5. Tiling a polygon with rectangles. Claire Kenyon and Richard Kenyon. Proceedings of the 33^{rd} *Annual Symposium on Foundations of Computer Science (FOCS)*, Pittsburgh, PA, 1992, pp. 610-619.

Student's research supervised

PhD students : J. Barbay (Orsay, 1998-2002); N. Schabanel (ENS-Lyon, 1996-2000); V. Unger (ENS-Lyon, 1993-95).
DEA ($\approx$ Masters) students and summer interns: V. Unger (ENS-Lyon, 1993), S. Roman (ENS-Lyon, 1996), L. Rempe (Paris-Sud, 2002), A. Broutin (Polytechnique, 2003, 50%), J. Correa (summer intern from MIT, 2003).
Undergraduates : A. Kodsi (Polytechnique, 2003); S. McPeak (Berkeley, 1995); N. Sturtevant (Berkeley, 1995); F. Lehobey (Rennes, 1993).

Thesis committees

President of the committee: David Roussel (Université Paris-Sud, 1999), Fabrice Rastello (ENS Lyon, 2000).
Report writer: Hervé Rivano (Université de Nice, 2003), Laurent Vuillon (Université Paris 7, 2001), Christoph Durr (Université Paris-Sud, 1997), Grégory Mounié (Institut National Polytechnique de Grenoble, 2000), Matthieu Raffinot (Université de Marne-la-Vallée, 1998), Elchanan Mossel (Hebrew university, 2000).
Committee member: Ali Akhavi (Université de Caen, 1999), Nadia Creignou (Habilitation, Université de Caen, 1999), Nicolas Schabanel (ENS Lyon, 2000), Amir Qayyum (Université Paris-Sud, 2000).

Teaching experience

Teaching experience in the US.
Group theory and computer science, graduate course, UC Berkeley, 1992.
Algorithms, junior undergraduate course, UC Berkeley, 1994 (2 sections).
Algorithms, junior undergraduate course, Cornell, 1997.
Graph Theory, undergraduate course, summer institute on mathematical sciences, Berkeley, 1996.
Teaching experience in France.
Graduate courses on: complexity, randomized algorithms, and random graphs.
Upper-level undergraduate courses on: algorithms and data structures, advanced algorithms, automata and formal languages, complexity, programming in C, and programming in Java.
Lower-level undergraduate courses on: introduction to computer science, mathematics for computer science, and programming in CAML.

Teaching-related responsabilities

Coordinator of all lower-level undergraduate courses in Computer Science (1998-2002).
Examiner for entrance exams to ENS Lyon (oral and written parts).

Conference program committees and journal editor

ESA'04: 12th Annual European Symposium on Algorithms, 2004.
WAOA'04: 2nd Workshop on Approximation and Online Algorithms, 2004.
FOCS'02 : IEEE Annual Symposium on Foundations of Computer Science (**FOCS**), 2002.
SODA'98, **SODA'00**, **SODA'03** : Annual ACM-SIAM Symposium on Discrete Algorithms (**SODA**), 1998, 2000 et 2003.
STACS'99 : International Symposium on Theoretical Aspects of Computer Science (**STACS**), 1999.
ICALP'02 :International Colloquium on Automata, Languages and Programming (**ICALP**), 2002.
APPROX'98, **APPROX'01** : International workshop on Approximation Algorithms for Combinatorial Optimization Problems (**APPROX**), 1998 et 2001.
RANDOM'98 : Combinatorial Optimization Problems (**APPROX**), 1998 and International Workshop on Randomization and Approximation Techniques in Computer Science (**RANDOM**), 1998.
Journal editor: European Series in Applied and Industrial Mathematics (**ESAIM**), Probabilités et Statistiques, 2001-present.

Organization of workshops and conferences

Organization of a France-Berkeley workshop on Phase transitions and complexity, Orsay, 1999 (1 week, 15 participants from 5 countries).
Organization of a session on approximation algorithms for scheduling, at the 17^{th} *International Symposium on Mathematical Programming*, Atlanta, 2000.
Organization of a day on approximation and local search algorithms, Orsay, 2000 (1 day, 14 participants, all French).
Organization of a workshop on approximation and on-line algorithms, Orsay, 2001 (3 days, about 55 participants from 10 European countries).
Organization of a workshop on clustering, Princeton, 2004.
Member of organizing committee for a special semester on "Probability, Algorithms and Statistical Physics", Mathematical Sciences Research Institute (MSRI), Berkeley, California, Spring 2005.
Organization of an Alladin ITR Workshop on High Dimensional Data Analysis, Princeton, June 2004.

Grants

International projects.
European project on Approximation and online algorithms (APPOL), participant (2000-2001).
European project on Approximation and online algorithms (APPOL2), local coordinator (2001-2002), participant (2003-2004).
European ESPRIT Working group on Randomized algorithms (RAND2), participant.
Binational projects.
Bilateral French-Belgian cooperative project CNRS-FNRS, French coordinator (1991-93).
France-Berkeley project on phase transitions and complexity, French coordinator (1998-99).
CNRS-NSF cooperation grant between Université Paris-Sud and the Georgia Institute of Technology on randomness, approximation, and new models of computation, French coordinator (1999-2002).
French projects.
Junior member of Institut Universitaire de France (2002-2007).
AS CNRS "Algorithms for larhe graphs", 2003, participant.
"Bonus Qualité-Recherche" project of the Université de Paris-Sud on graphs for the web, participant, 2003.
AS CNRS "Analyse Structurelle et Algorithmique des Rseaux Dynamiques", participant, 2003.
ACI Grid, participant (2001-2003).
CNRS bidisciplinary project physics and computer science, CS coordinator (1997-98).
INRIA cooperative project AlCOPhys (algorithms, combinatorics, and statistical physics), local coordinator (1999-2001).
"Bonus Qualité-Recherche" project of the Université de Paris-Sud on phase transitions, CS coordinator, 1999.
Project of the French Ministry of Education and Research, on approximability and local search, local coordinator (1999-2001).

Personal information

38 years old, born 3/9/1965, married, 2 children.

Publication list

The publications below are ordered by topics, and by inverse chronological order within each topic. When the same piece of research led to a conference and a journal publications, it appears only once in the list, at the date of publication of the conference proceedings.

Approximation algorithms

1. Asymptotic Approximation Schemes for Two-Dimensional Packing, J. Correa and Claire Kenyon, Proceedings of the *Fifteenth Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)*, 2004, to appear.

2. Approximation Schemes for Metric Bisection and Partitioning, W. Fernandez de la Vega, Marek Karpinski, and Claire Kenyon, Proceedings of the *Fifteenth Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)*, 2004, to appear.

3. OPT versus LOAD in Dynamic Storage Allocation, Adam L. Buchsbaum, Howard Karloff, Claire Kenyon, Nick Reingold, and Mikkel Thorup. Thirty-Fifth Annual ACM Symposium on Theory of Computing (STOC) 2003, 556–564. SIAM J. on Computing, to appear.

4. Approximation Schemes for Clustering Problems, W. Fernandez de la Vega, Marek Karpinski, Claire Kenyon, and Yuval Rabani. Thirty-Fifth Annual ACM Symposium on Theory of Computing (STOC), 2003, 50–58.

5. Huffman Coding with Unequal Letter Costs, Mordecai J. Golin, Claire Kenyon and Neal E. Young, Proceedings of the *Thirty-Fourth Annual ACM Symposium on Theory of Computing (STOC)*, 2002, 785–791.

6. Dynamic TCP acknowledgement and other stories about $e/(e-1)$. Anna R. Karlin, Claire Kenyon and Dana Randall, Algorithmica, 36, 3, 209–224, 2003. A preliminary version appeared in the proceedings of the *Thirty-Third Annual ACM Symposium on Theory of Computing (STOC)*, Crete, May 21-23, 502–509, 2001.

7. Better Approximation Algorithms for Bin Covering, Janos Csirik, David Johnson and Claire Kenyon, Proceedings of the *Twelth Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)*, pp. 557–566, 2001.

8. Scheduling to minimize the average completion time of dedicated tasks, Foto Afrati, Evripidis Bampis, Aleksei V. Fishkin, Klaus Jansen, and Claire Kenyon, Proceedings of the *FSTTCS 2000* conference, Delhi, LNCS 1974, pp. 454-464, 2000.

9. Polynomial-time approximation scheme for data broadcast, Claire Kenyon, Nicolas Schabanel, and Neal Young, Proceedings of the *Thirty-Second Annual ACM Symposium on Theory of Computing (STOC)*, Portland, Oregon, May 21-23, pp. 659–666, 2000.

10. A PTAS for the average weighted completion time problem on unrelated machines, Foto Afrati, Evripidis Bampis, Claire Kenyon and Ioannis Milis, *Journal of Scheduling*, Special Issue on Approximation Algorithms, 3(6), 323-332, 2000. A preliminary version appeared in: Approximation Schemes for Scheduling to Minimize Average Weighted Completion Time with Release Dates, F. Afrati, E. Bampis, C. Chekuri, D. Karger, C. Kenyon, S. Khanna, I. Milis, M. Queyranne, M. Skutella, C. Stein and M. Sviridenko, Proceedings of the 1999 *Symposium on Foundations of Computer Science (FOCS)* (plenary session), New York City, NY, October 17-19, pp. 32–44, 1999.

11. A self-organizing bin packing heuristic. Janos Csirik, David S. Johnson, Claire Kenyon, Peter W. Shor, and Richard Weber, Proceedings of the *Workshop on Algorithm Engineering and Experimentation (ALENEX 99)*, pp. 246–265, 1999.

12. Scheduling on a Constant Number of Machines. Foto N. Afrati, Evripidis Bampis, Claire Kenyon and Ioannis Milis, Proceedings of *RANDOM-APPROX* 1999, Lecture Notes in Computer Science 1671, pp. 281–287, 1999.

13. The Data Broadcast Problem with Non-Uniform Transmission Times. Claire Kenyon and Nicolas Schabanel. Algorithmica, 35, 2, 146–175, 2003. A preliminary version appeared in the Proceedings of the *Tenth Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)*, pp. 547-556, 1999.

14. A Randomized Approximation Scheme for Metric MAX-CUT. W. Fernandez de la Vega and Claire Kenyon. *Journal of Computer and System Sciences (JCSS)*, 63(4): 531-541 (2001). A preliminary version appeared in the proceedings of the *Thirty-Ninth Annual IEEE Symposium on Foundations of Computer Science (FOCS)*, pp.468-471, 1998.

15. Scheduling Multiprocessor Tasks on Dedicated Processors. A.K. Amoura, E. Bampis, C. Kenyon, and Y. Manoussakis. *Algorithmica*, 32(2) 247-261, 2002. A preliminary version appeared in the proceedings of the the *5th Annual European Symposium (ESA'97)*, LNCS 1284, pp. 1–12, 1997.

16. A near-optimal solution to a two-dimensional cutting stock problem, Claire Kenyon et Eric Rémila, *Mathematics of Operations Research*, 25, 4, November 2000, 645-656. A preliminary version appeared in the proceedings of the 37*th Symposium on Foundations of Computer Science (FOCS)*, 31-36, 1996.

17. How to take short cuts. Claire Kenyon et Richard Kenyon. *Discrete et Computational Geometry* 8 (1992):251-264.. A preliminary version appeared in the proceedings of the 7^{th} *Annual ACM Symposium on Computational Geometry*, New Hampshire, pp. 250-255, ACM Press, 1991.

Probabilistic analysis of algorithms

18. A gambling game, and analysis of adaptive randomized rounding. Richard M. Karp and Claire Kenyon, Proceedings of the 7th International Workshop on Randomization and Approximation Techniques in Computer Science, RANDOM 2003, Princeton, NY, USA, August 24-26,2003. Lecture Notes in Computer Science , Vol. 2764 Arora, S.; Jansen, K.; Rolim, J.D.P.; Sahai, A. (Eds.).

19. Glauber Dynamics on Trees and Hyperbolic Graphs, Claire Kenyon, Elchanan Mossel and Yuval Peres, Forty-Second Annual Symposium on Foundations of Computer Science (FOCS), 568-578, 2001.

20. On the discrete Bak-Sneppen model of self-organized criticality, Jérémy Barbay and Claire Kenyon, Proceedings of the *Twelth Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)*, pp. 928-933, 2001.

21. Linear Waste of Best-Fit Bin Packing on Skewed Distributions, Claire Kenyon and Michael Mitzenmacher, Random Structures and Algorithms, 20(3), 2002, 441-464. Preliminary version in: Proceedings of the *41st Annual Symposium on Foundations of Computer Science (FOCS)*, Redondo Beach, CA, November 12-14, pp. 582-589, 2000.

22. Broadcasting on trees and the Ising model. Will Evans, Claire Kenyon, Yuval Peres et Leonard Schulmanm. *Annals of Applied Probability*, Vol. 10, No. 2, May, pp. 410-433, 2000.

23. On the sum-of-squares algorithm for bin packing. Janos Csirik, David S Johnson, Claire Kenyon, James B Orlin, Peter W Shor, and Richard R Weber. Proceedings of the *Thirty-Second Annual ACM Symposium on Theory of Computing (STOC)*, Portland, OR, May 21-23, pp. 208-217, 2000. Journal version submitted to JACM.

24. Biased Random Walks, Lyapunov Functions, et Stochastic Analysis of Best Fit Bin Packing. Claire Kenyon, Yuval Rabani et Alistair Sinclair. *Journal of Algorithms*, Vol. 27, No. 2, 1998, pp. 218–235. A preliminary version appeared in the proceedings of the 7^{th} *Annual ACM-SIAM Symp. On Discrete Algorithms (SODA)*, 351-358, 1996.

25. Best-Fit Bin-Packing with Random Order. Claire Kenyon. Proceedings of the 7^{th} *Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)*, 359-364, 1996.

26. Approximating the number of monomer-dimer coverings of a lattice, Claire Kenyon, Dana Randall et Alistair Sinclair. *Journal of Statistical Physics* 83, 1996, 637-659. A preliminary version appeared in the proceedings of the *Twenty-Fifth Ann. ACM Symp. on the Theory Of Comp. (STOC)*, San Diego, 738-746, 1993.

27. Data structures maxima. Guy Louchard, Claire Kenyon et René Schott. *SIAM Journal on Computing*, 26(4):1006-1042, Août 1997. A preliminary version appeared in the proceedings of the 8^{th} *International Conference, Fundamentals of Computation Theory (FCT)*, Germany, LNCS 529, pp. 339-349, 1991.

28. General methods for the analysis of the maximum size of dynamic data structures. Claire Kenyon-Mathieu et J.S. Vitter. *SIAM Journal on Computing*, 20, 5 (1991), 807-823. A preliminary version appeared in the proceedings of the 16^{th} *International Colloquium on Automata, Languages and Programming (ICALP)*, volume 372 of Lecture Notes in Computer Science, pages 473-487, Stresa, Italy, Springer-Verlag, 1989.

29. Maximum queue size and hashing with lazy deletion, Claire Kenyon-Mathieu et Jeffrey Scott Vitter, *Algorithmica* 6, 4 (1991), 597-619. A preliminary version appeared in the 20^{th} *Symposium on the Interface : Computing Science et Statistics*, Virginia, 1988.

30. Comparaison de modèles combinatoires et probabilistes: deux exemples en analyse d'algorithmes. Claire Mathieu, *Thèse de Doctorat*, Université d'Orsay, 1988. (Directeur de thèse : Claude Puech.)

31. Average efficiency of data structures for binary image processing. Claire Mathieu, Claude Puech et Hussein Yahia. *Information Processing Letters*, 26, 2, 89-94, 1987.

Design of other algorithms

32. Deterministic Algorithm for the t-Threshold Set Problem, Jérémy Barbay and Claire Kenyon, 14th Annual International Symposium on Algorithms And Computation (ISAAC), 2003, Springer-Verlag.

33. Adaptive Intersection and t-Threshold Problems, Jeremy Barbay and Claire Kenyon, Thirteenth Annual ACM-SIAM Symposium on Discrete Algorithms (SODA), January 2002, 390–399.

34. d-Dimensional Range Search on Multicomputers. Afonso Ferreira, Claire Kenyon, Andrew Rau-Chaplin et Stéphane Ubéda. *Algorithmica* 24(3-4): 195-208 (1999). A preliminary version appeared in the proc. of the 11^{th} *Int. Parall. Process. Symp. (IPPS),* IEEE Comp. Soc. Press, pp. 616-620, 1997.

35. Error Resilient DNA Computation. Richard Karp, Claire Kenyon et Orli Waarts. *Random Structures and Algorithms*, Volume 15, Issue 3-4, 1999, pp. 450-466. A preliminary version appeared in the proceedings of the 7^{th} *Annual ACM-SIAM Symposium On Discrete Algorithms (SODA)*, 458-467, 1996.

36. Algorithmes de Pavages et de Mise en Boîte, et Algorithmes avec Données Bruitées. Claire Kenyon, *Habilitation à diriger des recherches*, Université Claude Bernard, 1996.

37. Perfect matchings on the triangular lattice. Claire Kenyon et Eric Rémila. *Discrete Mathematics*, 152, 191-210, 1996.

38. Scalable et Architecture Independent Parallel Geometric Algorithms with High Probability Optimal Time, Frank Dehne, A. Fabri et Claire Kenyon. *IEEE Symposium on Parallel et Distributed Processing*, Dallas, TX, 586-593, 1994.

39. Selection in the presence of noise: the design of playoff systems. Micah Adler, Peter Gemmel, Mor Harchol, Richard Karp et Claire Kenyon. Proceedings of the *Fifth Ann. ACM-SIAM Symp. on Discrete Algorithms (SODA)*, 564 - 572, 1994.

40. Optimal randomized algorithms for local sorting et set maxima. Wayne Goddard, Claire Kenyon, Valerie King et Leonard Schulman. *SIAM J. on Computing*, 22, 2, 272-283, 1993.

41. On boolean decision trees with faulty nodes. Claire Kenyon et Valerie King. *Random Structures et Algorithms*, 5, 3, 453-464, 1994. A preliminary version appeared in the proceedings of the *Israel Symposium on the Theory of Computing et Systems*, LNCS 601, pp. 24-31, 1992.

42. Comment paver des polygones avec des barres (Tiling polygons with bars). Claire Kenyon et Richard Kenyon. *C.R. Acad. Sci.*, Paris, Ser. I 316, No. 12, 1319-1322 (1993). An extended version in English appeared in: Tiling a polygon with rectangles. Claire Kenyon et Richard Kenyon. Proceedings of the 33^{rd} *Annual Symposium on Foundations of Computer Science (FOCS)*, Pittsburgh, PA, 610-619, 1992.

43. Verifying Partial Orders. Claire Kenyon et Valerie King. Proceedings of the 21^{st} *Annual ACM Symposium on Theory of Computing (STOC)*, Seattle, Washington, 367-374, 1989.

44. On evaluating boolean functions with unreliable tests. Claire Kenyon et Andrew C. Yao. *International Journal of Foundations of Computer Science*, 1, 1 (1990), 1-10. A preliminary version appeared in the *French-Israeli Conference on Combinatorics et Algorithms*, 1988.

Miscellaneous

45. Sensitivity, block sensitivity, and ℓ-block sensitivity of boolean functions. Claire Kenyon and Samuel Kutin, *Information and Computation*, 2002, to appear.

46. Dictionnaire d'histoire et de philosophie des sciences, PUF 1998, chapter “Complexité Algorithmique”, Claire Kenyon.

47. Multilayer neural networks and polyhedral dichotomies. C. Kenyon et H. Paugam-Moisy. *Annals of Mathematics and Artificial Intelligence*, 24 (1998) pp.115–128.

48. Exercices d'algorithmique, Oraux d'ENS. Ouvrage collectif-coordination Jean-Claude Bajard. Jean-Claude Bajard, Luc Bouge, Claire Kenyon, Jean-Michel Muller et Yves Robert. Passeport pour l'informatique, International Thomson publishing France, Paris 1997, ISBN 2-84180-105-5.

49. Multilayer Neural Networks: One or Two Hidden Layers? Graham Brightwell, Claire Kenyon et Helène Paugam-Moisy, in M.C. Mozer, M.I. Jordan, and T. Petsche, editors, *Advances in Neural Information Processing Systems 9, Proc NIPS 1996*, pp. 148-154, MIT Press, 1997.

50. Corrigé du concours d'entrée en Informatique, (Ecole Normale Supérieure de Lyon, 1994), Claire Kenyon, *Revue de Math. Spé.*, Février 1995.

51. Planar Cayley Graphs with Regular Dual. Thomas Chaboud et Claire Kenyon. *International Journal of Algebra and Computation*, Vol. 6, No. 5 (1996) 553-561. A preliminary version appeared in the *Seventh SIAM Conference on Discrete Mathematics*, Albuquerque, June 1994.

52. Exercices d'algorithmique. Luc Bouge, Claire Kenyon, Jean-Michel Muller et Yves Robert. Ellipses, 1993.

53. Finding target subnetworks in faulty networks. Pierre Fraigniaud, Claire Kenyon et Andrezj Pelc. *Information Processing Letters*, 48(6) (1993) 297-303.

54. Some problems in computational geometry. Claire Mathieu, *Algorithmica*, (1987) 2, 131-134.

Preprints

55. On Seller-Optimal Envy-Free Pricing, Jason D. Hartline, Anna R. Karlin, and Claire Kenyon, submitted.
56. Low-Distortion maps Between Point Sets, Claire Kenyon, Yuval Rabani and Alistair Sinclair, submitted.
57. Algorithmic discrete mathematics. Claire Kenyon et L. Lovász. Technical Report, Princeton University, 1989.