

1 Publications (appeared or accepted)

1. F. Den Hollander, J. Naudts and F. Redig, Long time tails in a random diffusion model. *J. Stat. Phys.* **69**, 731-762 (1992)
2. F. Redig, An exponential upper bound for the survival probability in a dynamic random trap model, *J. Stat. Phys.* **74**, 815-827 (1994)
3. F. Den Hollander, J. Naudts and F. Redig, Dynamic structure factor in a random diffusion model, *J. Stat. Phys.* **74**, 1267-1285 (1994)
4. F. Den Hollander, J. Naudts and F. Redig, Invariance principle for the stochastic Lorentz lattice gas, *J. Stat. Phys.* **68**, 1583-1598 (1992)
5. C. Maes and F. Redig, Long-range spatial correlations for anisotropic zero-range processes, *J. Phys. A: Math. Gen.* **24**, 4359-4373 (1991)
6. C. Maes and F. Redig, Anisotropic perturbations of the simple symmetric exclusion process: long range correlations, *J. Phys. I* **1**, 669-684 (1991).
7. C. Maes, F. Redig and A. Van Moffaert, Almost Gibbsian versus weakly Gibbsian measures, *Stoch. Proc. Appl.* **79** 1-15 (1999).
8. C. Maes, F. Redig and a. Van Moffaert, The restriction of the Ising model to a layer, *J. Stat. Phys.* **96**, 69-107 (1999).
9. C. Maes, F. Redig and A. Van Moffaert, Potentials for one-dimensional restrictions of Gibbs Measures, In "Mathematical Results in Statistical Mechanics" J.Ruiz, S.Miracle-Sole and V. Zagrbnov (eds.) (1999).
10. J. Naudts, F. Redig and S. Van Gulck, Stretched exponential relaxation in the biased voter model, *J. Phys. A* **32**, 7653-7664, (1999).
11. C. Maes, F.Redig, S.Shlosman and A. Van Moffaert, Percolation, Path large deviations and weak Gibbsianity, *Comm. Math. Phys.* **209**: 517-545 (2000).
12. C. Maes, F.Redig, E. Saada and A. Van Moffaert, Thermodynamic limit of a one-dimensional sandpile process, *Markov Proc. and Rel. Fields* **6**, 1-21 (2000).
13. C. Maes, F.Redig and A. Van Moffaert, On the definition of entropy production via examples, *J. Math. Phys.* **41**, 1-27 (2000).
14. C. Maes, F. Redig, F. Taekens, A. Van Moffaert and E. Verbitsky, Intermittency and weak Gibbs states, *Nonlinearity*, **13**: 1681-1698 (2000).
15. C. Maes and F. Redig, The positivity of entropy production, *J. Stat. Phys.* **101**: 3-16 (2000).
16. P. Ferrari, C. Maes, L. Ramos and F. Redig, On the hydrodynamic equilibrium of a rod in a lattice fluid. *J. Phys A*, **33**, 4725-4740 (2001).

17. C. Maes, F. Redig and M. Verschuere, Entropy production for interacting particle systems. *Markov Proc. and Rel. Fields*, **7**, 119-134 (2001).
18. R. Meester, F. Redig and D. Znamenski, The abelian sandpile model, a mathematical introduction, *Markov Proc. Rel. Fields*, **7**, 509-523 (2001).
19. C. Maes, F. Redig and M. Verschuere, No current without heat, *Journal of Stat. Phys.*, **106**, 569-587 (2002).
20. C. Maes, F. Redig and M. Verschuere, From global to local fluctuation theorems, *Moscow Math. Journal*, **1**, 421-438, (2002).
21. A.C.D. Van Enter, R. Fernandez, F. Den Hollander and F. Redig, Possible loss and recovery of Gibbsianness during the stochastic evolution of Gibbs measures, *Comm. Math. Phys.*, **226**, 101-130 (2002).
22. C. Maes, F. Redig and E. Saada, The abelian sandpile model on an infinite tree, *Ann. Prob.* **30** , 2081-2107 (2002).
23. A. Le Ny and F. Redig, Short time conservation of Gibbsianness in local stochastic evolutions, *J. Stat. Phys.* **109**, 1073-1090, (2002)
24. F. Redig, Gumbel statistics for the longest interval of identical spins in a one-dimensional Gibbs measure, *Bulletin of the Brazilian Mathematical Society*, **33**, 135-154 (2002)
25. A. Le Ny and F. Redig, Large deviation principle at fixed time in Glauber evolutions, to appear in *Markov Processes and Rel Fields* (2003).
26. R. Fernández, A. Le Ny and F. Redig, Restoration of Gibbsianness for projected and FKG renormalized measures, *Bulletin of Braz. Math. Society*, **34**, 437-455 (2003).
27. C. Maes, F. Redig and E. Saada, The infinite volume limit of dissipative abelian sandpiles. *Comm. Math. Phys.* **244**, 395–417 (2004).
28. C. Kuelske, A. Le Ny and F. Redig, Relative entropy and variational properties of generalized Gibbs measures, *Ann. Prob.* **32**, 1691-1726 (2004).
29. M. Abadi, J.R. Chazottes, F. Redig and E. Verbitskyi, Exponential distribution for the occurrence of rare patterns in Gibbsian random fields, *Comm. Math. Phys.* **246**, 269-294 (2004).
30. E. Dinaburg, C. Maes, S. Pirogov, F. Redig and A. Rybko, The Potts model built on sand, *J. Stat. Phys.* **117**, 179-198 (2004).
31. K. Netockny and F. Redig, Large deviations for quantum spin systems, *J. Stat. Phys.* **117**, 521-547 (2004).

32. Antal A. Jaraı and F. Redig, Thermodynamic limit of high-dimensional sandpile models preprint available at the site xxx.lanl.gov. to appear in Prob. Th. and Rel. fields (2005).
33. C. Kuelske and F. Redig, Loss without recovery of Gibbsianness during diffusion of continuous spins, eurandom report to appear in Prob. Theory and Rel. fields, (2005).
34. C. Maes, F. Redig and E. Saada, Abelian Sandpile Models in Infinite Volume, to appear in Sankhya, (2005).
35. A. Fey-den Boer and F. Redig, Organized versus self-organized criticality in the abelian sandpile model, preprint available at the site xxx.lanl.gov, to appear in Markov processes and rel. fields, (2005).

2 Submitted preprints

1. R.W. van der Hofstad and F. Redig, Maximal clusters in non-critical percolation, preprint available at the site xxx.lanl.gov (2004).
2. J.R. Chazottes and F. Redig, Occurrence, repetition and matching of patterns in the low-temperature Ising model, preprint available at the site xxx.lanl.gov (2004).
3. C. Maes, F. Redig and E. Saada, A one-dimensional sandpile + spin-flip model, preprint (2005).
4. J.-R. Chazottes F. Redig and E. Verbitskyi, On approximated pattern matching for a class of Gibbsian random fields, eurandom report (2005).
5. J.R. Chazottes, P. Collet. C. Kuelske and F. Redig, Deviation inequalities via coupling for stochastic processes and random fields, preprint available at xxx.lanl.gov (2005).
6. J.R. Chazottes and F. Redig, Testing the irreversibility of a process via hitting and return times, preprint available at xxx.lanl.gov (2005).