CURRICULUM VITAE

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2 Recent publications

1. H. Larralde, F. Leyvraz, G. Martínez–Mekler, R. Rechtman, S. Ruffo, Transmission and Scattering of a Lorentz gas on a Slab, Physical Review E, **58** (1998) 4254–4260.
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3. F. Bagnoli, R. Rechtman, Synchronization and Maximum Lyapunov Exponent of Cellular Automata, Physical Review E, **59** (1999) R1307–R1310.
4. G. Hernández–Cruz, J. M. García, E. Ramos, R. Rechtman, Visualization of Capillary Boiling, Experiments in Fluids, **30** (2001) 359–364.
5. F. Bagnoli, N. Boccara, R. Rechtman, Nature of phase transitions in a probabilistic cellular automaton with two absorbing states, Physical Review E **63** (2001) 046116-1–046116-9.
6. E. Salazar–Neumann, Y. Nahmad–Molinari, J. C. Ruiz–Suárez, P. -L. Ardisson, C. A. Arancibia–Bulnes, R. Rechtman, Size distribution of a metallic polydispersion through capacitive measurements in a sedimentation experiment, Applied Physics Letters, **79** (2001) 406–408.
7. H. Larralde, F. Leyvraz, G. Martínez–Mekler, R. Rechtman, S. Ruffo, Transport Properties of the Diluted Lorentz Slab, Physical Review E, **64**, (2001) 041101-1–041101-6.

8. R. Rechtman, R. Peralta–Fabi, G. Caballero, Arching in Silos and Piles, Fourth International Conference on Micromechanics of Granular Media, *Powders & Grains 2001*, Y. Kishino (ed.), Swets & Zeitlinger, Lisse, Holanda, 2001, pp 417–420 (ISBN 90 2651 826 9)

9. F. Bagnoli, F. Franci, R. Rechtman, Opinion Formation and Phase Transitions in a Probabilistic Cellular Automaton with two Absorbing States, *Fifth International Conference on Cellular Automata for Research and Industry ACRI 2002*, S. Bandini, B. Chopard ed. M Tomassini, Springer Lecture Notes in Computer Science Vol. 2493, 2002, pp 249–258.

10. H. Larralde, G. Martínez–Mekler, R. Rechtman eds., Physica D: Nonlinear Phenomena, vols. 168-169, August 2002. VII Latin American Workshop on Nonlinear Phenomena LAWNP01.

11. F. Bagnoli, F. Franci, R. Rechtman, Opinion Formation and Phase Transitions in a Probabilistic Cellular Automaton with two Absorbing States, *Fifth International Conference on Cellular Automata for Research and Industry ACRI 2002*, S. Bandini, B. Chopard ed. M Tomassini, Springer Lecture Notes in Computer Science Vol. 2493, 2002, pp 249–258.

12. Guillermo Hernández–Cruz, Holger Kantz, Tobias Letz, Mario Ragwitz, Eduardo Ramos, Raúl Rechtman, Noise induced fluctuations of period lengths of stable periodic orbits, Physical Review E, **67** (2003) 036212.