

## Publications

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2. Rodriguez A & Reggia J. Extending Self-Organizing Particle Systems to Problem-Solving, *Artificial Life*, 10, 2004, 379-395.
3. Rodriguez A & Reggia J. Adaptive Problem Solving with Particle Systems, *Proc. Performance Metrics for Intelligent Systems Workshop* (PerMIS '04), E. Messina & A. Meystel (eds.), August 2004.
4. Frels J, Heisler D, Reggia J & Schuetze H. A Cellular Automata Model of Competition in Technology Markets with Network Externalities, *Lecture Notes in Computer Science*, Vol. 3515, V. Sunderam, G. van Albada, P. Sloot et al (Eds.), 2005, 378-385.
5. Lapizco-Encinas G & Reggia J. Diagnostic Problem Solving Using Swarm Intelligence, *Proc. IEEE Swarm Intelligence Symposium*, 2005, 365-372.
6. Rodriguez A & Reggia J. Using Aggregate Motion in Multi-Agent Teams to Solve Search and Transport Problems, *Proc. IEEE Swarm Intelligence Symposium*, 2005, 373-380.
7. Pan Z & Reggia J. Evolutionary Discovery of Arbitrary Self-Replicating Structures, *Lecture Notes in Computer Science*, Vol. 3515, V. Sunderam, G. van Albada, P. Sloot & J. Dongarra (Eds.), 2005, 404-411.
8. Rodriguez A. & Reggia J. Collective-Movement Teams for Cooperative Problem Solving, *Integrated Computer-Aided Engineering*, 12, 2005, 217-235.
9. Frels J, Heisler D, Reggia J & Schuetze H. Modeling the Impact of Consumer Interactions in Technology Markets, *Journal of Cellular Automata*, 2, 2006, 91-103.
10. Pan Z & Reggia J. Artificial Evolution of Arbitrary Self-Replicating Structures, *Journal of Cellular Automata*, 2, 2006, 105-123.
11. Wagner K & Reggia J. The Emergence of an Internally-Grounded Multi-referent Communication System, *Interaction Studies*, 7, 2006, 103-129.
12. Grushin A & Reggia J. Stigmergic Self-Assembly of Prespecified Artificial Structures in a Constrained and Continuous Environment, *Integrated Computer-Aided Engineering*, 13, 2006, 289-312.
13. Pan Z, Reggia J, Gao D. Properties of Self-Replicating Cellular Automata Systems Discovered Using Genetic Programming, *Advances in Complex Systems*, 10 (Supplement 1), 2007, 61-84.
14. Rodriguez A, Grushin A, Reggia J. Swarm Intelligence Systems Using Guided Self-Organization for Collective Problem Solving, *Advances in Complex Systems*, 10 (Supplement 1), 2007, 5-34.
15. Frels J, Heisler D, Reggia J. Predicting the Effects of Alternative Pricing Strategies in an Artificial Society, in *Soft Computing Applications in Business*, Springer Verlag, 2008, 35-55.
16. Rodriguez A, Grushin A, Reggia J. Guiding Self-Organization in Systems of Cooperative Mobile Agents, in *Advancing Artificial Intelligence Through Biological Process Applications*, Porto A, Pazos A, Bu W (eds.), Idea Group Publishers, 2008, in press.
17. Pan Z, Reggia J. Artificial Evolution of Self-Replicating and Problem-Solving Structures in Cellular Spaces, in *Modeling Complex Systems with Cellular Automata*, J. Kroc & P. Sloot (eds.), Springer, 2008, in press.
18. Grushin A, Reggia J. Automated Design of Distributed Control Rules for the Self-Assembly of Pre-specified Artificial Structures, *Robotics and Autonomous Systems*, 56, 2008, 334-359.