

## Ezio Bartocci - List of Publications

---

Dipartimento di Matematica e Informatica    Telefono: 0737 402578  
Via Madonna delle Carceri n. 9                      Fax: 0737 402561  
Università di Camerino                              Email: ezio.bartocci@unicam.it  
62032 - Camerino (MC)                            https://unicam.it/~ezio.bartocci

### Journal Papers

1. E. Bartocci, F. Corradini, E. Entcheva, R. Grosu, S. A. Smolka *CellExcite: an efficient simulation environment for excitable cells*, BMC Bioinformatics 2008 9(Suppl 2):S3 - I.F. 3.62
2. E. Bartocci, F. Corradini, E. Merelli, L. Scortichini *BioWMS: a web based Workflow Management System for Bioinformatics*, BMC Bioinformatics 2007 8(Suppl 1):S2 - I.F. 3.62
3. P. Romano, E. Bartocci, E. Merelli, G. Bertolini, F. De Paoli, D. Marra, G. Mauri, E. Merelli, L. Milanese *Biowep: a workflow enactment portal for bioinformatics applications*, BMC Bioinformatics 2007 8(Suppl 1):S19 - I.F. 3.62
4. E. Bartocci, D. Cacciagrano, N. Cannata, F. Corradini, E. Merelli, L. Milanese, P. Romano *An Agent-based Multilayer Architecture for Bioinformatics Grids*, IEEE Transactions on Nanobioscience 2007 6(2):142-148 - I.F. 2.5
5. G. Fischer, S. M. Ibrahim, G. A. Brockmann, J. Pahnke, E. Bartocci, Hans-Jürgen Thiesen, P. Serrano-Fernández, S. Möller *Expressionview: visualization of quantitative trait loci and gene-expression data in Ensembl*, Genome Biology 2003 4(2):R77 - I.F. 7.17

### Book Papers

1. E. Bartocci, F. Corradini, E. Merelli, R. Grosu, O. Riganelli, S. A. Smolka *StonyCam: a Formal Framework for Modeling, Analyzing and Regulating Cardiac Myocytes*, Festschrift for Ugo Montanari, Lecture Notes in Computer Science vol. 5065, pp. 493-502, Springer-Verlag

### National and International Workshops and Conferences

1. E. Bartocci, F. Corradini, E. Merelli, L. Tesei, *Model Checking Biological Oscillators*, In the proceedings of the 2th From Biology To Concurrency International Workshop (FBTC'08), Reykjavik, Island, July, 2008, Electronic Notes in Theoretical Computer Science (To appear), Elsevier
2. R. Grosu, E. Bartocci, F. Corradini, E. Entcheva, S. A. Smolka, A. Wasilewska, *Learning and Detecting Emergent Behavior in Networks of Cardiac Myocytes*, In the proceedings of the 11th International Conference on Hybrid Systems: Computation and Control (HSCC'08), St. Louis, USA, April, 2008, Lecture Notes in Computer Science vol. 4981, pp. 229-243, Springer-Verlag
3. E. Bartocci, F. Corradini, M. R. Di Berardini, E. Entcheva, R. Grosu, S. A. Smolka, *Spatial Networks of Hybrid I/O Automata for Modeling Excitable Tissue*, In the proceedings of FBTC'07 From Biology to Concurrency and Back International Workshop co-sited with CONCUR conference, Electronic Notes in Theoretical Computer Science vol. 194(3), pp. 86-102, Elsevier

4. E. Bartocci, F. Corradini, E. Merelli, L. Vito *Model driven design and implementation of activity-based applications in Hermes*, Workshop From Objects to Agents - WOA 2006 - Demo Session, September 26-27, 2006, Catania Italy
5. E. Bartocci, F. Corradini, E. Merelli *Building a Multiagent System from a User Workflow Specification*, Workshop From Objects to Agents - WOA 2006 - Demo Session, September 26-27, 2006, Catania Italy
6. E. Bartocci, D. Cacciagrano, N. Cannata, F. Corradini, E. Merelli, L. Milanesi, P. Romano *A GRID-based multilayer architecture for bioinformatics*, In the proceedings of NETTAB'06 Network Tools and Applications in Biology, 2006 - Santa Margherita di Pula, Cagliari, Italy
7. E. Bartocci, P. Romano, *Towards a comparison of Workflow Management Systems in Bioinformatics*, In the proceedings of NETTAB'06 Network Tools and Applications in Biology, 2006 - Santa Margherita di Pula, Cagliari, Italy
8. E. Bartocci, M. Angeletti, E. Merelli, *A workflow for an orthology-based prediction of protein-protein interaction*, Bioinformatics Italian Society (BITS) meeting, Bologna, 2006
9. E. Bartocci, F. Corradini, E. Merelli, L. Scortichini, *BioWMS: a web based Workflow Management System for Bioinformatics*, Bioinformatics Italian Society (BITS) meeting, Bologna, 2006
10. E. Bartocci, E. Merelli, S. Möller, *A DAS view of agent based workflow*, Bioinformatics Italian Society (BITS) meeting, Bologna, 2006
11. P. Romano, E. Bartocci, G. Bertolini, F. De Paoli, D. Marra, G. Mauri, E. Merelli, L. Milanesi, *Biowep: a workflow enactment portal for bioinformatics applications*, Bioinformatics Italian Society (BITS) meeting, Bologna, 2006
12. E. Bartocci, D. Cacciagrano, N. Cannata, F. Corradini, E. Merelli, L. Milanesi, P. Romano *A multilayer architecture to support the bioinformaticians of today and tomorrow*, Bioinformatics Italian Society (BITS) meeting, Bologna, 2006
13. E. Bartocci, F. Corradini, E. Merelli, *Enacting proactive workflows engine in e-Science*, In Proceedings of the 1st International Workshop on Workflow Systems in e-Science (WSES 06) ICCS 2006, Part III, LNCS 3993 -1012, Springer-Verlag
14. R. Amici, E. Bartocci and E. Merelli. *A virtual laboratory for simulating metabolic pathways* Bioinformatics Italian Society Meeting, Padova 2004
15. E. Bartocci, F. Corradini, E. Merelli. *Service Discovery for Biological Distributed Applications: an Overview*, In the proceedings of NETTAB'04 Network Tools and Applications in Biology, 2004 - Camerino (MC), Italy
16. E. Bartocci, E. Merelli, L. Mariani: *An XML View of the "World"*, ICEIS (1) 2003: 19-27, Angers - France.
17. E. Bartocci, S. Möller, L. Toldo, E. Merelli - *Integration of EnsEMBL with BioAgent*, BIOCAMP 2003, Villa Mondragone(Frascati), 2003
18. E. Bartocci, R. Culmone, L. Soverchia, M. Angeletti - *DNA-microarray Data Integration Using Mobile Architecture: A New Approach for Researchers in Cooperation in the Genome Era*, NETTAB'02 Network Tools and Applications in Biology, 2002 - Bologna, Italy