

# Elenco Pubblicazioni

di

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### Libri (con contributi originali e revisione)

- [EB1] Federico Bergenti, Marie-Pierre Gleizes, and Franco Zambonelli, editors. *Methodologies and Software Engineering for Agent Systems*, volume 11 of *Multiagent Systems, Artificial Societies, and Simulated Organizations*. Kluwer Academic Publisher, Norwell, MA, USA, June 2004. ISBN 1-402-08057-3.

### Riviste Internazionali (con revisione)

- [IJ1] Stefano Cagnoni, Federico Bergenti, Monica Mordonini, and Giovanni Adorni. Evolving binary classifiers through parallel computation of multiple fitness cases. *IEEE Transactions on Systems, Man and Cybernetics – Part B: Cybernetics*, 35(3):548–555, June 2005, IEEE Systems, Man and Cybernetics Society, New York, NY, USA. ISSN 1083-4419.
- [IJ2] Federico Bergenti, Agostino Poggi, and Matteo Somacher. A collaborative platform for fixed and mobile networks. *Communications of the ACM*, 45(11):39–44, November 2002, ACM Press, New York, NY, USA. ISSN 0001-0782.
- [IJ3] Federico Bergenti and Agostino Poggi. Supporting agent-oriented modelling with UML. *International Journal Software Engineering and Knowledge Engineering*, 12(6):605–618, 2002, World Scientific Publishing, Hackensack, NJ, USA. ISSN 0218-1940.
- [IJ4] Federico Bergenti and Agostino Poggi. Ubiquitous information agents. *International Journal on Cooperative Information Systems*, 11(3):231–244, 2002, World Scientific Publishing, Hackensack, NJ, USA. ISSN 0218-8430.
- [IJ5] Federico Bergenti, Agostino Poggi, Bernard Burg, and Giovanni Caire. Deploying FIPA-compliant systems on handheld devices. *IEEE Internet Computing*, 5(4):20–25, July/August 2001, IEEE Computer Society Press, Los Alamitos, CA, USA. ISSN 1089-7801.
- [IJ6] Federico Bergenti and Agostino Poggi. CollAge: A replicated-instances platform for collaborative applications. *The Journal of Applied Systems Studies*, 1(3):421–435, 2000, Cambridge International Science Publishing, Cambridge, UK. ISSN 1751-0589.

### Capitoli in Libri (con revisione)

- [BC1] Michele Tomaiuolo, Paola Turci, Federico Bergenti, and Agostino Poggi. An ontology support for semantic aware agents. In Manuel Kolp, Paolo Bresciani, Brian Henderson-Sellers, and Michael Winikoff, editors, *Agent-Oriented Information Systems III*, volume 3529 of *Lecture Notes in Computer Science*, pages 140–153. Springer, Heidelberg, Germany, 2006. ISBN 3-540-48291-1.

- [BC2] Fabio Bellifemine, Federico Bergenti, Giovanni Caire, and Agostino Poggi. JADE – A Java agent development framework. In Rafael H. Bordini, Mehdi Dastani, Jürgen Dix, and Amal El Fallah-Seghrouchni, editors, *Multi-Agent Programming*, volume 15 of *Multiagent Systems, Artificial Societies, and Simulated Organizations*, pages 125–147. Springer, Heidelberg, Germany, 2005. ISBN 0-387-24568-5.
- [BC3] Federico Bergenti and Michael N. Huhns. On the use of agents as components of software systems. In Federico Bergenti, Marie-Pierre Gleizes, and Franco Zambonelli, editors, *Methodologies and Software Engineering for Agent Systems*, volume 11 of *Multiagent Systems, Artificial Societies, and Simulated Organizations*, pages 19–31. Kluwer Academic Publisher, Norwell, MA, USA, June 2004. ISBN 1-402-08057-3.
- [BC4] Federico Bergenti. A toolkit for the realization of constraint-based multiagent systems. In Rafael H. Bordini, Mehdi Dastani, Jürgen Dix, and Amal El Fallah-Seghrouchni, editors, *Programming Multi-Agent Systems*, volume 3346 of *Lecture Notes in Computer Science*, pages 89–103. Springer, Heidelberg, Germany, 2005. ISBN 3-540-24559-6.
- [BC5] Federico Bergenti, Agostino Poggi, Giovanni Rimassa, Paola Turci, and Michele Tomaiuolo. Developing agent based applications with JADE. In Rajiv Khosla, Nikhil Ichalkaranje, and Lakhmi C. Jain, editors, *Design of Intelligent Multi-Agent Systems*, volume 162 of *Studies in Fuzziness and Soft Computing*, pages 191–214. Springer, Heidelberg, Germany, 2004. ISBN 3-540-22913-2.
- [BC6] Federico Bergenti and Agostino Poggi. Collaborative fixed and mobile networks. In *McGraw-Hill 2004 Yearbook of Science & Technology*, pages 56–60. McGraw-Hill Companies, New York, NY, USA, 2004. ISBN 0-071-42784-8.
- [BC7] Federico Bergenti, Giovanni Rimassa, and Mirko Viroli. Operational semantics for agents by iterated refinement. In João Alexandre Leite, Andrea Omicini, Leon Sterling, and Paolo Torroni, editors, *Declarative Agent Languages and Technologies*, volume 2990 of *Lecture Notes in Computer Science*, pages 37–53. Springer, Heidelberg, Germany, 2004. ISBN 3-540-22124-7.
- [BC8] Federico Bergenti. Formalizing the reusability of software agents. In Andrea Omicini, Paolo Petta, and Jeremy Pitt, editors, *Engineering Societies in the Agents World IV*, volume 3071 of *Lecture Notes in Computer Science*, pages 246–257. Springer, Heidelberg, Germany, 2003. ISBN 3-540-22231-6.
- [BC9] Federico Bergenti, Giovanni Rimassa, Matteo Somacher, and Luis M. Botelho. A FIPA compliant goal delegation protocol. In Marc-Philippe Huget, editor, *Communication in Multiagent Systems*, volume 2650 of *Lecture Notes in Computer Science*, pages 223–238. Springer, Heidelberg, Germany, 2003. ISBN 3-540-40385-X.
- [BC10] Federico Bergenti. A discussion of two major benefits of using agents in software development. In Paolo Petta, Robert Tolksdorf, and Franco Zambonelli, editors, *Engineering Societies in the Agents World III*, volume 2577 of *Lecture Notes in Computer Science*, pages 1–12. Springer, Heidelberg, Germany, 2002. ISBN 3-540-14009-3.
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- [BC13] Federico Bergenti and Agostino Poggi. LEAP: A FIPA platform for handheld and mobile devices. In John-Jules Ch. Meyer and Milind Tambe, editors, *Intelligent Agents VIII*, volume 2333 of *Lecture Notes in Computer Science*, pages 436–446. Springer, Heidelberg, Germany, 2001. ISBN 3-540-43858-0.
- [BC14] Federico Bergenti and Agostino Poggi. Exploiting UML in the design of multi-agent systems. In Andrea Omicini, Robert Tolksdorf, and Franco Zambonelli, editors, *Engineering Societies in the Agent World*, volume 1972 of *Lecture Notes in Computer Science*, pages 106–113. Springer, Heidelberg, Germany, 2000. ISBN 3-540-41477-0.
- [BC15] Giovanni Adorni, Federico Bergenti, Stefano Cagnoni, and Monica Mordonini. License-plate recognition for restricted-access area control systems. In Gian Luca Foresti, Petri Mähönen, and Carlo S. Regazzoni, editors, *Multimedia Video-based Surveillance Systems*, pages 260–271. Kluwer Academic Publisher, Norwell, MA, USA, January 2000. ISBN 0-792-37927-6.

## Conferenze Internazionali (con revisione)

- [IC1] Federico Bergenti, Lorenzo Lazzari, Marco Mari, and Agostino Poggi. Enabling vocal interaction in a Web portal environment. In *Proceedings of the 2<sup>nd</sup> International Conference on Web Information Systems and Technologies (WEBIST 2006)*, pages 318–324. INSTICC Press, Setúbal, Portugal, 2006. ISBN 978-972-8865-46-7.
- [IC2] Roberto Bianchi, Andrea Fontana, and Federico Bergenti. A real-world approach to secure and trusted negotiation in MASs. In *Proceedings of the 4<sup>th</sup> International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2005)*, pages 1163–1164. ACM Press, New York, NY, USA, 2005. ISBN 1-59593-094-9.
- [IC3] Agostino Poggi, Federico Bergenti, Matteo Somacher, and Socrates Costicoglou. Collaborator – A collaborative system for heterogeneous networks and devices. In *Proceedings of the 5<sup>th</sup> International Conference on Enterprise Information Systems (ICEIS 2003)*, volume 4, pages 447–480. ICEIS Press, April 2003. ISBN 972-98816-4-2.
- [IC4] Federico Bergenti and Alessandro Ricci. Coordination models, languages and applications: Three approaches to the coordination of multiagent systems. In *Proceedings ACM Symposium on Applied Computing (SAC 2002)*, pages 367–372. ACM Press, New York, NY, USA, 2002. ISBN 1-58113-445-2.
- [IC5] Federico Bergenti, Agostino Poggi, Giovanni Rimassa, and Paola Turci. CoMMA – A multi-agent system for corporate memory management. In *Proceedings of the 1<sup>st</sup> International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2002)*, pages 1039–1040. ACM Press, New York, NY, USA, 2002. ISBN 3-540-00713-X.
- [IC6] Federico Bergenti and Agostino Poggi. A development toolkit to realize autonomous and inter-operable agents. In *Proceedings of the 5<sup>th</sup> International Conference on Autonomous Agents (Agents 2001)*, pages 632–639. ACM Press, New York, NY, USA, 2001. ISBN 1-58113-326-X.

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- [IC8] Federico Bergenti, Agostino Poggi, and Matteo Somacher. Supporting cooperation with off-the-shelf applications in wired and wireless networks. In *Proceedings of the 6<sup>th</sup> International Conference on Computer Supported Cooperative Work in Design (CSCWD 2001)*, pages 30–35. IEEE Computer Society Press, Los Alamitos, CA, USA, October 2001. ISBN 962-237-288-8.
- [IC9] Federico Bergenti and Agostino Poggi. An agent-based approach to manage negotiation protocols in flexible CSCW systems. In *Proceedings of the 4<sup>th</sup> International Conference on Autonomous Agents (Agents 2000)*, Barcellona, Spain, pages 267–268. ACM Press, New York, NY, USA, 2000. ISBN 1-581-13230-1.
- [IC10] Federico Bergenti, Agostino Poggi, and Matteo Somacher. JaNET – A framework for flexible Web-content retrieval. In *Proceedings IEEE International Conference on Multimedia and Expo*, pages 137–140. IEEE, New York, NY, USA, 2000. ISBN 0-7803-6536-4.
- [IC11] Federico Bergenti and Agostino Poggi. IDEA – A design assistant based on automatic design pattern detection. In *Proceedings 12<sup>th</sup> International Conference on Software Engineering and Knowledge Engineering (SEKE 2000)*, pages 336–343. Knowledge Systems Institute, Skokie, IL, USA, 2000. ISBN 1-891706-05-5.
- [IC12] Federico Bergenti and Agostino Poggi. Using UML to model multi-agent systems at the agent level. In *Proceedings 4<sup>th</sup> World Multiconference on Systemics, Cybernetics and Informatics (SCI 2000)*, pages 645–648. IFSR IEE Computer Society Orlando, FL, USA, 2000. ISBN 980-07-6691-X.
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- [IC14] Giovanni Adorni, Federico Bergenti, and Stefano Cagnoni. Vehicle license plate recognition by means of cellular automata. In *Proceedings of the IEEE International Conference on Intelligent Vehicles (IV 1998)*, Stuttgart, Germany, volume 2, pages 689–693. IEEE Industrial Electronics Society, New York, NY, USA, October 1998. ISBN 0-7803-4869-9.

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- [IW1] Federico Bergenti. Privacy and legal validity in MASs? It is not just a matter of security and trust. In Marie Pierre Gleizes, Gal A. Kaminka, Ann Nowé, Sascha Ossowski, Karl Tuyls, and Katja Verbeeck, editors, *Proceedings of the 3<sup>rd</sup> European Workshop on Multi-Agent Systems (EUMAS 2005)*, pages 57–68. Koninklijke Vlaamse Academie van België voor Wetenschappen en Kunsten, Brussel, Belgium, 2005.
- [IW2] Michele Tomaiuolo, Paola Turci, Federico Bergenti, and Agostino Poggi. A two-level approach for ontology management in multi-agent systems. In *Proceedings of the 14<sup>th</sup> IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises*, pages 21–26. IEEE Computer Society Press, Los Alamitos, CA, USA, 2005. ISBN 0-7695-2362-5.

- [IW3] Federico Bergenti, Roberto Bianchi, and Andrea Fontana. Secure and trusted interactions in societies of electronic agents. In *Proceedings 4<sup>th</sup> Workshop on the Law and Electronic Agents (LEA 2005)*, pages 1–12. Il Mulino, Bologna, Italy, June 2005. ISBN 88-88120-54-8.
- [IW4] Federico Bergenti, Marco Mari, and Mercedes Garijo. Collaborator – Enabling enterprise collaboration through agents. In *Proceedings of the 13<sup>th</sup> IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises*, pages 41–46. IEEE Computer Society Press, Los Alamitos, CA, USA, 2004. ISBN 0-7695-2183-5.
- [IW5] Federico Bergenti, Socrates Costicoglou, and Agostino Poggi. A portal for ubiquitous collaboration. In Johann Eder, Roland Mittermeir, and Barbara Pernici, editors, *Proceedings of the 15<sup>th</sup> Conference on Advanced Information Systems Engineering (CAiSE 2003)*, volume 75 of *CEUR Workshop Proceedings*. Technical University of Aachen, Germany, 2003. ISBN 86-435-0552-8.
- [IW6] Giovanni Adorni, Federico Bergenti, Agostino Poggi, and Giovanni Rimassa. Enabling FIPA agents on small devices. In Matthias Klusch and Franco Zambonelli, editors, *Proceedings of the 5<sup>th</sup> International Workshop on Cooperative Information Agents (CIA 2001)*, volume 2182 of *Lecture Notes in Computer Science*, pages 248–257. Springer, Heidelberg, Germany, 2001. ISBN 3-540-42545-4.
- [IW7] Federico Bergenti and Agostino Poggi. A development environment for the realization of open and scalable multi-agent systems. In Francisco J. Garijo and Magnus Boman, editors, *Proceedings of the 9<sup>th</sup> European Workshop on Modelling Autonomous Agents in a Multi-Agent World (MAAMAW 1999)*, volume 1647 of *Lecture Notes in Computer Science*, pages 52–62. Springer, Heidelberg, Germany, July 1999. ISBN 3-540-66281-2.
- [IW8] Giovanni Adorni, Federico Bergenti, and Stefano Cagnoni. A cellular-programming approach to pattern classification. In Wolfgang Banzhaf, Riccardo Poli, Marc Schoenauer, and Terence C. Fogarty, editors, *Proceedings of the 1<sup>st</sup> European Workshop on Genetic Programming (EuroGP 1998)*, Paris, France, volume 1391 of *Lecture Notes in Computer Science*, pages 142–150. Springer, Heidelberg, Germany, April 1998. ISBN 3-540-64360-5.

## Riviste, Conferenze e Workshop Nazionali (con revisione)

- [IP1] Federico Bergenti, Lorenzo Lazzari, and Agostino Poggi. Agent-based virtual communities for interactive digital television. In Flavio De Paoli, Antonella Di Stefano, Andrea Omicini, and Corrado Santoro, editors, *Proceedings of the 5<sup>th</sup> workshop “Dagli Oggetti agli Agenti” (WOA 2006)*, CEUR Workshop Proceedings. Technical University of Aachen, Germany, 2006. ISSN 1613-0073.
- [IP2] Federico Bergenti. Secure, trusted and privacy-aware interactions in large-scale multi-agent systems. In Flavio Corradini, Flavio De Paoli, Emanuela Merelli, and Andrea Omicini, editors, *Proceedings of the 4<sup>th</sup> workshop “Dagli Oggetti agli Agenti” (WOA 2005)*, pages 144–150. Pitagora Editrice Bologna, 2005. ISBN 88-371-1590-3.
- [IP3] Michele Tomaiuolo, Federico Bergenti, Agostino Poggi, and Paola Turci. OWLBeans – From ontologies to Java classes. In Matteo Baldoni, Flavio De Paoli, Alberto Martelli, and Andrea Omicini, editors, *Proceedings of the 3<sup>rd</sup> workshop “Dagli Oggetti agli Agenti” (WOA 2004)*, pages 116–125. Pitagora Editrice Bologna, 2004. ISBN 88-371-1533-4.

- [IP4] Federico Bergenti. QPL: A language for agent-oriented constraint programming. In *Atti del Convegno AI\*IA (AI\*IA 2004)*. Pitagora Editrice Bologna, 2004.
- [IP5] Giovanni Adorni, Federico Bergenti, Piero Castoldi, and Agostino Poggi. Collaborando in rete. *AI\*IA Notizie*, XVI(1):73, March 2003, Centro Stampa 2P, Firenze, Italy.
- [IP6] Federico Bergenti, Mercedes Garijo, Agostino Poggi, Matteo Somacher, and Juan R. Velasco. Enhancing collaborative work through agents. In *Atti del Convegno AI\*IA (AI\*IA 2002)*. Pitagora Editrice Bologna, 2002.
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- [IP10] Fabio Bellifemine, Federico Bergenti, Giovanni Caire, Agostino Poggi, Giovanni Rimassa, and Tiziana Trucco. Using agent technology for information management and telecommunication. In *Atti del Congresso AICA 2000*, pages 433–444, 2000.
- [IP11] Federico Bergenti, Agostino Poggi, Giovanni Rimassa, and Matteo Somacher. DisC++ – A software library for object oriented concurrent and distributed programming. In *Proceedings of the workshop “Sistemi Distribuiti: Algoritmi, Architetture e Linguaggi” (WSDAAL 2000)*, 2000.
- [IP12] Agostino Poggi and Federico Bergenti. An ontology model for agent-based applications. In *Atti del Congresso AI\*IA (AI\*IA 1999)*, pages 11–18. Pitagora Editrice Bologna, 1999.
- [IP13] Federico Bergenti, Agostino Poggi, and Giovanni Rimassa. A C++ concurrent library for the development of flexible distributed applications. In *Atti del Congresso AICA 1999*, pages 49–63, 1999.
- [IP14] Federico Bergenti. Comunicazioni asincrone e client/server: Una implementazione multiplatform. *Computer Programming*, 71:28–31, July/August 1998, Gruppo Editoriale Infomedica, Pisa, Italy.

## Varie (con revisione)

- [RV1] Federico Bergenti, Lorenzo Lazzari, and Agostino Poggi. A multi-agent framework to join DTV and virtual communities. In *Proceedings of the 15<sup>th</sup> IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises*. To appear in 2007.
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- [RV3] Federico Bergenti. A toolkit for the realization of constraint-based multiagent systems. Working notes of the workshop on *Programming Multi-Agent Systems (ProMAS 2004)*, 2004.
- [RV4] Federico Bergenti. Formalizing the reusability of software agents. Working notes of the workshop “*Engineering Societies in the Agents World*” (*ESAW 2003*), 2003.
- [RV5] Federico Bergenti. On agentware: Ruminations on why we should use agents. Working notes of the workshop “*Engineering Societies in the Agents World*” (*ESAW 2002*), 2002.
- [RV6] Federico Bergenti and Agostino Poggi. LEAP: A FIPA platform for handheld and mobile devices. Working notes of the 8<sup>th</sup> *International Workshop on Agent Theories, Architectures and Languages (ATAL 2001)*, 2001.
- [RV7] Federico Bergenti and Agostino Poggi. Aspect views as a means to promote reuse in aspect-oriented languages. Working notes of the *ECOOP Workshop on Aspects and Dimensions of Concerns (ADC 2001)*, 2000.
- [RV8] Federico Bergenti, Agostino Poggi, and Giovanni Rimassa. Agent architectures and interaction protocols for corporate management systems. Working notes of the *ECAI workshop on Knowledge Management and Organisational Memories*, 2000.
- [RV9] Federico Bergenti. Exploiting UML in the design of multi-agent systems. Working notes of the workshop “*Engineering Societies in the Agents World*” (*ESAW 2000*), 2000.

## **Varie (senza revisione)**

- [UV1] Federico Bergenti. *Interoperable Rational Agents: An Agent-Oriented Software Engineering Point of View*. PhD thesis, Università degli Studi di Parma, December 2001.
- [UV2] Federico Bergenti. *Metodologia di Progetto di Classificatori Basati su Automi Cellulari Evolutivi e Sviluppo di una Applicazione per il Riconoscimento di Simboli*. Master’s thesis, Università degli Studi di Parma, February 1998.