

Mariagrazia Fugini
Main Publications – January 2010

International Books

- S. Castano, M.G. Fugini, G. Martella, P. Samarati, *Database Security*, Addison-Wesley Int. Publ., 1995
- C. Bellettini, M.G. Fugini (Eds.) **Information Security Policies and Actions in Modern Integrated Systems**, IDEA Book Publishing, 2004

Refereed Journals

1. M.G. Fugini, G. Martella “ACTEN: A conceptual model for security systems design”, *Computers & Security*, North-Holland, vol. 3, n. 3, pp. 196-214, August 1984
2. M.G. Fugini, G. Martella, “Conceptual modeling of authorization in database systems”, *The Journal of Systems and Software*, Elsevier Sc. Publishing Co., vol. 7, n.1, pp.3-17, March 1987
3. M.G. Fugini, G. Martella, “A Petri-net model of access control mechanisms”, *Information Systems*, Pergamon Press, vol. 13, n. 1, 1988, pp. 53-63
4. B. Pernici, F. Barbic, M.G. Fugini R. Maiocchi, J.R. Rames, C. Rolland, “C-TODOS: an automatic tool for office system conceptual design”, *ACM Transactions on Information Systems*, vol. 7. n. 4, October 1989, pp. 378-419
5. R. Bellinzona, M.G. Fugini, G. Martella, “An authorization mechanism for Unix-based cooperative environments”, *Information Systems*, Pergamon Press, vol. 16, n. 5, 1991, pp. 509-535
6. R. Bellinzona, M.G. Fugini, B. Pernici, “Reusing Specifications in O-O Applications”, *IEEE Software Magazine*, vol. 12, n. 2, March 1995, pp. 65-75, Special Issue on Development Tools
7. A. Celentano, M.G. Fugini, S. Pozzi, “Knowledge Based Document Retrieval in Office Environments: the Kabiria System”, *ACM Transactions on Information Systems*, vol.13, n.3, July 1995, pp. 237-268
8. R. Bellinzona, S. Castano, V. De Antonellis, M.G. Fugini, B Pernici, “Requirements Reuse in the F3 Project”, *Information Systems Engineering*, AFCET/HERMES Publ., vol.2, 1996, pp.699-717 (*Invited Paper*)
9. S.Fäustle, M.G. Fugini, E. Damiani “Retrieval of Reusable Components Using Functional Similarity”, *Software Practice & Experience*, Wiley & Sons Publ., vol. 26, n. 5, 1996, pp.491-530
10. C. Batini, S. Castano, V. De Antonellis, M.G. Fugini, B. Pernici, “Analysis of an Inventory of Information Systems in the Public Administration”, *Requirements Engineering Journal*, Springer Verlag Publ., vol.1, n. 1, 1996, pp. 47-62
11. E. Damiani, M.G. Fugini, “Design and Code Reuse Based on Fuzzy Classification of Components”, *International Journal on Applied Software*, vol. 1, n. 3/4, Special Issue on Software Reuse, 1996 (pubblicato anche in *ACM Applied Computing Review (ACR)*, vol. 4, n. 2, Fall 1997)
12. E. Damiani, M.G. Fugini, E. Fusaschi “A Descriptor-Based approach to OO reuse”, *IEEE Computer Magazine*, vol. 30, n.10, October 1997, pp. 73-80, Special Issue on OO Development and Reuse
13. S. Castano, S. De Capitani di Vimercati, M.G. Fugini, “Automated Derivation of Global Authorizations for Database Federations”, *Journal of Computer Security*, vol. 5, n. 4, IOM Press, 1997
14. S. Castano, V. De Antonellis, M.G. Fugini, B. Pernici, “Conceptual Schema Analysis: Techniques and Applications”, *ACM Transactions on Database Systems*, September 1998, pp. 237-268
15. F. Casati, M.G. Fugini, I. Mirbel, “An Environment for Designing Exceptions in Workflows”, *Information Systems*, Pergamon Press, vol. 24, n. 3, 1999
16. F. Casati, S. Castano, M.G. Fugini, “Enforcing Workflow Security Constraints through Triggers”, *Journal of Computer Security*, IOM Press, 6, 1999, pp. 257-285

17. E. Damiani, M.G. Fugini, C. Bellettini "A Hierarchy-aware Approach to Faceted Classification of Object-Oriented Libraries", *ACM Transactions on Software Engineering and Methodology*, vol. 8, n. 3, 1999, pp. 215-262
18. F.Casati, S. Castano, M.G. Fugini, I. Mirbel, B. Pernici, "Using Patterns to Design Rules in Workflows", *IEEE Transactions on Software Engineering*, vol. 26, n. 8, August 2000, pp. 760-785
19. E. Damiani. M.G. Fugini, "Dynamic Service Identification in a Distributed Environment", *Journal of Applied Computational Intelligence*, vol. 3, n. 4, August 2000
20. F.Casati, S. Castano, M.G. Fugini, "Managing Workflow Authorization Constraints Through Active Database Technology", *Journal of Information Systems Frontiers*, Special Issue on Workflow Automation and Business Process Integration, 2002
21. P. Bosc, E. Damiani, M.G. Fugini, "Fuzzy Service Selection in a Distributed Object-Oriented Environment", *IEEE Transactions on Fuzzy Systems*, vol. 9, n. 5, October 2001, pp. 682-698
22. C. Bellettini, E. Damiani, M.G. Fugini, "Automating and Rewarding Reuse in Small Development Groups", *Information and Software Technology*, Kluwer Publ., vol. 43, Issue 1, October 2001, pp. 651-660
23. F.Casati, M.G. Fugini, I. Mirbel-Sanchez, B. Pernici, "WIRES: A Methodology for Development of Workflow Applications", *Requirements Engineering Journal*, Springer Verlag Publ., vol.7, n.2, 2002, pp.73-106
24. M.G. Fugini, E. Orlandi, "Impact of Legislation on Database Design and Maintenance in Public Administration and Utilities", *Journal of Software*, Science Press Publ., vol. 13, n. 3, 2002
25. M.G. Fugini, M. Mezzanzanica, "An Application within the Plan for E-Government", *Annals of Cases on Information Technology*, *Information Resources Management Association Publisher*, vol. XX, n. XX, 2003
26. C. Bellettini, M.G. Fugini, P. Plebani, "Fuzzy selection of software components and of web services", in *Soft Computing in Software Engineering*, E. Damiani, C. L. Jain, M. Madravio (Eds.), Series: Studies in Fuzziness and Soft Computing , Vol. 159, Springer-Verlag, 2004
27. M. Cesarini, M.G.Fugini, M.Mezzananica, "Analysis-Sensitive Conversion of Administrative Data into Statistical Information Systems", *Journal of Cases on Information Technology (JCIT)*, IGI Global Publisher, 9(4) October - December 2007, Issue 2007
28. L. Console, M.G. Fugini, and the WS-Diamond Team, "WS-DIAMOND: an Approach to Web Services – DIAGNOSABILITY, MONITORING and DIAGNOSIS, *ERCIM (European Research Consortium for Informatics and Mathematics)*, *News 70, Special Theme: "Service-Oriented Computing"*, July 2007
29. F. Buccafurri, P. De Meo, M. Fugini, R. Furnari, A. Goy, G. Lax, P. Lops, S. Modafferi, B. Pernici, D. Redavid, G. Semeraro, D. Ursino, "Analysis of QoS in Cooperative Services for Real Time Applications", *Data & Knowledge Engineering*, Volume 67, Issue 3, December 2008, Pages 463-484, Elsevier Publisher
30. M.G. Fugini, B. Pernici, F. Ramoni, "Quality Analysis of Composed Services Through Fault Injection", *Information System Frontiers*, *Special Issue on Collaborative Business Processes*, Volume 11, Issue 3 (2009), pp. 227- 239
31. F. Buccafurri, P. De Meo, M. Fugini, R. Furnari, A. Goy, G. Lax, P. Lops, S. Modafferi, B. Pernici, D. Redavid, G. Semeraro, D. Ursino, "A Framework for Using Web Services to Enhance QoS for Content Delivery", *IEEE Multimedia Magazine*, *Special Issue Intelligent Pervasive Multimedia Systems*, January-March 2009, pp. 26-35
32. G. Friedrich, M.G. Fugini, E. Mussi, B. Pernici, G. Tagni, "Exception Handling for Repair in Service-Based Processes", to appear on *IEEE Trans. on Software Engineering*, Special Issue on Exception Handling

Chapters in International Books

1985-2000

1. G. Martella, M.G. Fugini, "Conceptual Modeling of Security Information in Distributed database systems", in *Distributed Data Sharing Systems*, W. Litwin, F.A. Schreiber (Eds.), North-Holland, Amsterdam, 1985
2. M.G. Fugini, B. Pernici, J.R. Rames, C. Rolland, S. Pozzi, A. Vignaud, "Logical Design", in *Automatic Tools for Designing Office Information Systems*, Chapter III, B. Pernici, C. Rolland (Eds.), Springer-Verlag, Research Reports ESPRIT, October 1990
3. M.G. Fugini, B. Pernici "RECAST: a Tool for Reusing Requirements", in *Advanced Information Systems Engineering*, B. Steiner, A. Solvberg, L. Bergman (Eds.), Springer-Verlag, Lecture Notes in Computer Science, 1990
4. M.G. Fugini, B. Pernici, "Reusable Requirements", in *Conceptual Modeling, CASE, and Information System Design*, P. Loucopoulos, R. Zicari (Eds.), Wiley and So., 1992
5. M.G. Fugini, M. Guggino, B. Pernici, "Reusing Specifications through a Sodeling and Composition Support Tool", in *Advanced Information Systems Engineering*, R. Andersen, J.A. Bubenko jr., A. Solvberg (Eds.), Springer-Verlag, 1991
6. M.G. Fugini, C. Stary, "Modeling Collaboration in Distributed Design Environments", in *Interactive Interfaces between Collective Support Systems and their Users*, G. de Zeew (Ed.), Thesis Publisher, Amsterdam, 1991
7. R. Bellinzona, M.G. Fugini, V. De Mey, "Reuse of Specifications and Design in a Development Information System", in *Information Systems Design Process*, N. Prakash, C. Rolland, B. Pernici (Eds.), North-Holland, 1993
8. Damiani, M.G. Fugini, "Fuzzy Identification of Distributed Components", in *Lecture Notes in Computer Science n. 1226*, B.Reush (Eds.), *Proc. 5th Intl. Conference Fuzzy Days*, pp. 550-552, (Position Paper), Dortmund, March 1997
9. F. Casati, M.G. Fugini, I. Mirbel, "An Environment for Designing Exceptions in Workflows", in *Advances Information Systems Engineering*, B. Pernici, C. Thanos (Eds.), Lecture Notes in Computer Science, n. 1413, 1998
10. L. Baresi, F. Casati, S. Castano, M.G. Fugini, P.Green, I. Mirbel, B. Pernici, G. Pozzi, "Workflow Design Methodology", in *Database Support for Workflow Management: the WIDE Project*, Chapter IV, P. Grefen, B. Pernici, G. Sanchez (Eds.), Kluwer Academic Publishers, 1999
11. P. Bertolazzi, M.G. Fugini, B. Pernici, "Information System Design based on Reuse of Conceptual Components", in *Information Modeling in the Next Millennium*, M. Rossi, K. Siau Eds., Idea Group Publishing, April 2000

2000-2010

1. A. Belussi, V. De Antonellis, M.G. Fugini, G. Pozzi, F. Schreiber, L. Tanca, L. Tosi, "The DEAFIN Web-Geographical Information System: an Experience in the Integration of Territorial Reclamation Support Services", in "*Web enabled system integration: practice and challenges*", IDEA Group Publishing, 2002
2. M.G. Fugini, P. Plebani, "A Methodology for Secure Cooperative Information Systems Development: the Requirements Collection Phase" in *Security Management & Ethical Issues of Information Technology*, IDEA Group Publishing, 2002
3. M.G. Fugini, P. Plebani, "A Methodology for Developing Trusted Information Systems: the Requirements Analysis Phase" in *Current Security Management & Ethical Issues of Information Technology*, R. Azari (ed.), IDEA Group 2003
4. Bosin, N. Dessi, M.G. Fugini, D. Liberati, B. Pes, "Cooperative Environments for Scientific Experiments" *Encyclopedia of Internet Technologies and Applications*, M. Freire and M. Pereira (Eds.), November 2005

5. Bosin, N. Dessì, M.G. Fugini, D. Liberati, B. Pes “Virtual Enterprise Environments for Scientific Experiments”, *Encyclopedia of Networked and Virtual Organziations*, Idea Group Publisher, Goran D. Putnik and Maria Manuela Cunha (Eds.), 2007
- 6 A. Bosin, N. Dessì, M.G. Fugini, D. Liberati, B. Pes, “Open Source Software for e-Science”, *Handbook of Research on Open Source Software: Technological, Economic, and Social Perspectives*, Kirk St. Amant and Brian Still (Eds.), July 2006
- 7 M. Cesarini, M.G. Fugini, M. Mezzanica, K. Nanini, “Security Issues in Distributed Web Based Transactions: an Overview on the Italian Employment Information System”, in *Encyclopedia of Public Information Technology*, G. David Garson and Mehdi Khosrow-Pour, (Eds.), November 2006
- 8 The WS-Diamond Team, “WS-DIAMOND Web Services – DIAGnosability, MONitoring and Diagnosis”, to appear in *At your service: An overview of results of projects in the field of service engineering of the IST program MIT Press Series on Information Systems*, Co-editors J.Mylopoulos and M.Papazoglou (Eds.), 2009
9. A. Bosin A., N. Dessì, M. G. Fugini, D. Liberati, B. Pes ALBA architecture as a proposal for OSS collaborative science, in *Handbook of Research on Open Source Software*, K. St. Amant and B. Still eds. (Idea Group Inc., USA, 2008)
10. A. Bosin, N. Dessì, M. G. Fugini, D. Liberati, B. Pes ALBA Cooperative Environment for Scientific Experiments, in *Encyclopaedia of Internet Technologies and Applications*, M. Freire and M. Pereira eds. (Idea Group Inc., USA, 2008)
- 11 A. Bosin, N. Dessì, M. G. Fugini, D. Liberati, B. Pes The Future of Portals in e-Science, in *Encyclopaedia of Portal Technologies and Applications*, A. Tatnall ed. (Idea Group Inc., USA, 2008)
- 12 M. Cesarini, M. G.Fugini, P. Maggiolini, M. Mezzanica, K. Nanini,. “A Solution to Knowledge Management in Information-Based Services Based on Coopetition, A Case Study Concerning Work Market Services”, in *Interdisciplinary Aspects of Information systems Studies*, A.D'Atri, M.De Marco, N. Casalino (Eds.), Physica-Verlag, Springer, 2008, pp. 189- 196
- 13 A. Bosin A., N. Dessì, M. G. Fugini, D. Liberati, B. Pes, “ALBA architecture as a proposal for OSS collaborative science”, in *Handbook of Research on Open Source Software*, K. St. Amant and B. Still eds. (Idea Group Inc., USA, 2008)
- 14 A. Bosin, N. Dessì, M. G. Fugini, D. Liberati, B. Pes, “ALBA Cooperative Environment for Scientific Experiments”, in *Encyclopedia of Internet Technologies and Applications*, M. Freire and M. Pereira eds. (Idea Group Inc., USA, 2008)
11. The WS-Diamond Team, “WS-DIAMOND Web Services – DIAGnosability, MONitoring and Diagnosis”, *At your service: An overview of results of projects in the field of service engineering of the IST program MIT Press Series on Information Systems*, E. Di Nitto, J. Mylopoulos, M. Papazoglou (Eds.), June 2009
12. I. Celino, D. Cerizza, M. Cesarini, E. Della Valle, F. De Paoli, J. Estublier, M.G. Fugini, A.Gómez Pérez, M. Kerrigan, P. Guarrera, M. Mezzanica, J. Ramirez, B. Villazon, and G. Zhao, *SEEMP: A Networked Marketplace for Employment Services, Semantic Technologies for E-Government: A European Perspective*, Springer, 2009

Proceedings of International Conferences

1983-1990

1. U. Bussolati, M.G. Fugini, G. Martella.“A Conceptual Framework for Security Systems: the Action-Entity Model”, *Proc. IFIP 9th World Computer Congress*, Paris, September 1983
2. M.G. Fugini, G. Martella. “Security Management in Office Information Systems”, *Proc. 2nd IFIP International Conference on Computer Security IFIP/Security '84*, Toronto, September 1984. In “Computer Security: A Global Challenge”, J.H.Finch, E.G. Douglas (Eds.), Elsevier Sc. Publishers, 1985

3. M.G. Fugini, "Design of a Relational Schema for Database Dynamic Authorization Management", *Proc. 3rd IFIP International Conference on Computer Security IFIP/Security '85*, Dublin, August 1985. In "Computer Security: The Practical Issues in a Troubled World", J.B. Grimson, H.J. Kugler (Eds.), North-Holland, 1986
4. M.G. Fugini, R. Maiocchi, R. Zicari, "Time Management in the Office-net system", *Proc. IFIP WG8.4 Working Conference*, Toronto, August 1987. In "Office Knowledge: Representation, Management, and Utilization", W. Lamersdorf (Ed.), North-Holland, 1988
5. M.G. Fugini "Secure Database Development Methodologies", *Proc. 1st IFIP WG11.3 Workshop on Database Security*, Annapolis, October 1987. In "Database Security I: Status and Prospects", C.E. Landwehr (Ed.), North-Holland, Amsterdam, 1988
6. M.G. Fugini, R. Zicari, "Access Control and Authorization in the Office-net System", *Proc. 5th IFIP International Conference on Computer Security IFIP/Security'88*, Queensland, Australia May 1988. In "Computer Security in the Age of Information", W.J. Caelli (Ed.), Elsevier Sc. Publishers, 1989
7. G. Bracchi, M.G. Fugini, "Database Support to Office System Design", *Proc. 6th British National Conference on Databases BNCOD'88*, W.A. Gray (Ed.), Cardiff, July 1988 (*Invited Paper*)
8. M.G. Fugini, S. Pozzi, "An Approach to Distributed Conceptual Design of Office Systems", *Proc IFIP WG 8.4 Working Conference on "Office Information Systems: The Design Process"*, Linz, August 1988. In "Office Information Systems: the Design Process", B. Pernici, A. Verrijn-Stuart (Eds.), North-Holland 1989
9. R. Bellinzona, M.G. Fugini, G. Martella, "An Extension to Unix Protection Mechanisms to Support Flexible Resource Sharing and Discretionary Authorization", *Proc. IEEE International Computer Science Conference*, Hong Kong, December 1988
10. G. Bracchi, M.G. Fugini "The Future of Office Automation: Advanced Design Techniques for Office Applications", *Proc. IFIP 11th World Computer Congress*, S. Francisco, August 1989 (*Invited Paper*)
11. Celentano, M.G. Fugini, S. Pozzi, "A Modeling Paradigm for Semantic Retrieval of Office Documents", *Proc. 8th British National Conference on Databases BNCOD'90*, A. Brown (Ed.), York, July 1990
12. Celentano, M.G. Fugini, S. Pozzi, "Knowledge-based Retrieval of Office Documents", *Proc. 13th Intl. Conference on Research and Development in Information Retrieval ACM-SIGIR'90*, Bruxelles, September 1990
13. M.G. Fugini, B. Pernici, "Cooperative Development of Reusable Design Units", *Position Paper, ACM-SIGSOFT Workshop on Cooperative Software Development CASE'90*, Irvine, CA, December 1990

1991-2000

14. A. Celentano, M.G. Fugini, S. Pozzi, "Browsing Office Knowledge in Accessing Document Bases", *Proc. IFIP WG8.3/WG8.4 Working Conference on Support Functionality in the Office Environment*, Canterbury, September 1991
15. A. Celentano, M.G. Fugini, S. Pozzi, "Querying Office Systems about Document Roles", *Proc. 14th Intl. Conference on Research and Development in Information Retrieval ACM-SIGIR'91*, Chicago, September 1991
16. A. Celentano, M.G. Fugini, S. Pozzi, "Classification and Retrieval of Documents Using Office Organization Knowledge", *Proc. ACM/IEEE Conference on Organizational Computing Systems COCS'91*, Atlanta, November 1991
17. S. Castano, M.G. Fugini, G. Martella, P. Samarati, "Complementing Access Controls for Comprehensive Database Security", *Proc. Intl. Conference on Information Systems and Management of Data CISMODO*, Bangalore, July 1992
18. S. Fäustle, M.G. Fugini, "Retrieval of Reusable Components from a Software Information Base", *Proc. 2nd IEEE Intl. Workshop on Advances in Software Reusability*, Lucca, March 1993
19. C. Francalanci, M.G. Fugini, B. Pernici, "Structuring Requirements: Existing Approaches and Automatic Support", *Proc. IEEE Conference on Systems, Man and Cybernetics*, San Antonio, Texas, October 1994

- 20 E. Damiani, M.G. Fugini, "Automatic Thesaurus Construction Supporting Fuzzy Retrieval of Reusable Components", *Proc. 10th ACM Annual Symposium on Applied Computing, (SAC'95)*, Nashville, February 1995
 - 21 E. Damiani, M.G. Fugini, "Fuzzy Techniques for Software Reuse", *Proc. 11th ACM Annual Symposium on Applied Computing, (SAC'96)*, Philadelphia, February 1996, (Invited Paper)
 - 22 S. Castano, M.G. Fugini, "Deriving Authorizations from Process Analysis in Legacy Information Systems", *Proc. IFIP Security Conference 1997*, Copenhagen, May 1997
 - 23 E. Damiani, A. Formica, M.G. Fugini, M. Missikoff, R. Pizzicannella, "Reusing Analysis Schemas in ODB Applications: a Chart-based Approach", *Proc. ACM ADBIS'97 Conference, Advances in Databases and Information Systems*, S. Petersburg, September 1997
 - 24 S. Castano, M.G. Fugini, "Rules and Patterns for Security in Workflow Systems", *Proc. 10-th Annual IFIP WG11.3 Working Conference on Database Security*, Porto Carras Complex, Chilkidiki, Greece, July 1998
 - 25 P. Bosc, E. Damiani, M.G. Fugini, "Dynamic Service Identification in a CORBA-like Environment", *Proc. 1st Intl. Workshop on Innovative Internet Information Systems*, Pisa, June 1998
 - 26 C. Bellettini, E. Damiani, M.G. Fugini, "Automatically Polling User Opinions to Tune the Effectiveness of a Software Reuse System", *Proc. of the Fourth Joint Conference on Information Sciences*, Research Triangle Park, North Carolina, October 1998
 - 27 L. Baresi, S. Casati, S. Castano, M.G. Fugini, I. Mirbel, B. Pernici, "Workflow Development Methodology", *Proc. of the Intl. Joint Conference on Work Activities Coordination and Collaboration, WACC'99*, San Francisco, CA, February 1999
 - 28 C. Bellettini, E. Damiani, M.G. Fugini, "User Opinions and Awards in a Reuse Based Development System", *Proc. of the Symposium on Software Reusability SSR'99, ICSE Conf.*, Los Angeles, May 1999
 - 29 M.G. Fugini, F. Maio, "Projects for FIS Engineering in the Public Administration Domain", *Proc. of the 2nd Federated Information Systems Conference (EFIS'99)*, Kühlungsborn at the Baltic Sea, May 1999
 - 30 C. Bellettini, E. Damiani, M.G. Fugini, "Design of an XML-based Trader for Dynamic Identification of Distributed Services", *Proc. 1st Symp. on Reusable Architectures and Components for Developing Distributed Information Systems, RACDIS'99 Conf.*, Orlando, FL, August 1999
 - 31 G. Dall'Agnola, M.G. Fugini, A. Liroy, F. Maino, F. Maio, D. Mazzocchi, "Securing Applications in the Demostene Project", *Proc. Information Security Solutions Europe, ISSE'99*, Berlin, October 1999
 - 32 C. Bellettini, E. Damiani, M.G. Fugini, "Querying UML/XMI Design Information", *Proc. Fourth International Conference on Flexible Query Answering Systems*, Warsaw, Poland October 25 - 27, 2000
 - 33 S. Castano, V. De Antonellis, M.G. Fugini, F. Maio, "An Experience of engineering enterprise data and process knowledge", *Proc. IEEE DOME (Domain Engineering) Workshop of the 11th Intl. Conf. on Database and Expert Systems Applications (DEXA 2000)*, Greenwich, London, UK, September 2000
- 2001-2010**
- 34 M.G. Fugini, P. Plebani, "Security aspects in B2M2C applications", Information Security Conference IS2, Prague, May 2001 (Invited Paper)
 - 35 M.G. Fugini, P. Plebani, "A Methodology for Development of Trusted Cooperative Information Systems", *Conference on Information Resource Management*, Seattle, May 2002
 - 36 M.G. Fugini, M. Mezzanzanica, "Development of a Security Methodology for Cooperative Information Systems", *11th European Conference on Information Systems*, Naples, June 2003
 - 37 L. Baresi, D. Bianchini, V. De Antonellis, M.G. Fugini, B. Pernici, P. Plebani, "Context-aware Composition of E-Services", *Proc. VLDB-TES Workshop*, Berlin, September 2003

- 38 M.Callea, L.Campagna, M.G. Fugini, P. Plebani, "Contracts for defining QoS Levels in a Multichannel Adaptive Information System", *Proc. 1st IFIP International Conference on Mobile Information Systems (MOBIS'04)*, Oslo, Sept. 2004
- 39 M.G. Fugini, "A Security Model and Architecture for Multichannel Systems", *Proc. IADIS International Conference on e-Society*, Malta, June 2005
- 40 M.G. Fugini, P. Maggiolini, B. Pagamici, "Network E-governance: Organizational, Law, and Technological Perspectives", *Proc. IADIS International Conference on e-Society*, Malta, June 2005, *Short Paper*
- 41 A. Bosin, N. Dessì, M.G. Fugini, D. Liberati, B. Pes, "Supporting Distributed Experiments in Cooperative Environments", *Proc. Intl. Workshop on Enterprise and Networked Enterprises Interoperability, ENEI'2005*, Nancy, France, September, 2005, anche pubblicato in *Springer-VerlagBerlin/Heidelberg, Business Process Management*, Lecture Notes in Computer Science 3812, Christoph Bussler, Armin Haller (Ed.s), pp. 281 – 292, vol. 25, 2006
- 42 M. Cesarini, M.G. Fugini, P. Mariani, M. Mezzananza, K. Nanini, "Customer Communication Management: The Case Study of the Italian Employment Information System", *Proc. IADIS WWW/Internet Conference*, Murcia (Spain), Oct. 2006
- 43 M.G. Fugini, M. Mezzananza, M. Cesarini, "Analysis-sensitive Conversion of Administrative Data into Statistical Information Systems", *Poster Paper, 8th International Conference on Enterprise Information Systems (ICEIS 2006)*, Cyprus, May 2006
- 44 M.G. Fugini, P. Maggiolini, K. Nanini, "Supporting e-Placement: Achievements in the Italian Workfare Project", *Proc. 8th International Conference on Enterprise Information Systems, (ICEIS 2006)*, Cyprus, May 2006
- 45 M. Cesarini, M.G. Fugini, P. Maggiolini, M. Mezzananza, K. Nanini, "The Italian E-Government Plans: Experiences in the Job Marketplace and in Statistical Information Systems", *Proc. European Conference on E-Government (ECEG 2006)*, Marburg, April 2006
- 46 M.G. Fugini, E. Mussi, "Recovery of Faulty Web Applications through Service Discovery", *Proc. 1st SMR-VLDB Workshop, Matchmaking and Approximate Semantic-based Retrieval: Issues and Perspectives*, 32nd International Conference on Very Large Databases, Seoul, Korea, September 2006, pp. 67-80
- 47 M.G. Fugini, P. Plebani, F. Ramoni, "A User Driven Policy Selection Model", *Proc. ICSOC Conference'06*, pp. 427-433, Chicago, December 2006
- 48 M.G. Fugini, "A Security Model and Architecture for Multichannel E-Government Systems", *Proc. 1st International Conf. on Availability, Reliability and Security (ARES'07)*, Vienna, April, 2007
- 49 F. Amigoni, M.G. Fugini, D. Liberati, "Design and Execution of Distributed Experiments", *Proc. 9th International Conference on Enterprise Information Systems, (ICEIS'07)*, Madeira, June 2007
- 50 M.G. Fugini, B. Pernici, "A Security Framework for Self-Healing Services", *Proc. 5th CAiSE UMICS'07 Workshop*, Trodheim, June 2007
- 51 WS-Diamond Team, "WS-DIAMOND: an approach to Web Services – DIAGNOSABILITY, MONITORING and DIAGNOSIS", *Proc. E-Challenges Conference*, The Hague, October 2007
- 52 M. Cesarini, I. Celino, D. Cerizza, E. Della Valle, F. De Paoli, J. Estublier, M.G. Fugini, P. Guarrera, M. Kerrigan, M. Mezzananza, Z. Gutowsky, J. Ramirez, B. Villazón, G. Zhao, "SEEMP: A Marketplace for the Labour Market", *Proc. E-Challenges Conference*, The Hague, October 2007
- 53 E. Damiani, M.G. Fugini, K. Reed, "Assessing Business Process Security: a Service-Oriented Approach", *Proc. AMCIS 2007 American Conference*, Information Security Within and Across Business Networks Track, Keystone, Colorado, August 2007
- 54 M.Cesarini, M.G. Fugini, P. Maggiolini, M.Mezzananza, K.Nanini, "Coopetition: a Solution to Knowledge Management Problems in Information-based Services? A Case Study Concerning Work Market Services", *Proc. XVII International RESER Conference*, 13-15th September 2007, Tampere Hall, Tampere, Finland

- 55 M.G. Fugini, B. Pernici, F. Ramoni, "Quality Analysis of Composed Services through Fault Injection, Proc. CBP'2007 International Workshop on Collaborative Business Processes, Brisbane Australia September 2007, in Lecture Notes in Computer Science Springer Berlin / Heidelberg 0302-974, Volume 4928/2008 "Business Process Management Workshops" 2008, pp.245-256
- 56 C. Argiolas, N. Dessì, M.G. Fugini, "Modeling Trust Relationships in Collaborative Engineering Projects" *7th International Workshop on Conceptual Modeling Approaches for e-Business*, April 22 – 25, 2008, Klagenfurt, Austria (to appear in LNCS)
- 57 A.Bosin, N. Dessì, M.G. Fugini, D. Liberati, "Open Source Environments for Collaborative Experiments in e-Science," *Fourth International Conference on Open Source Systems, IFIP World Computer Congress*, Milano, Sept. 7-10 2008, Posters Session
- 58 N. Dessì, M.G. Fugini Ramachandriya Amarnath B., "Policies and Security Aspects for Distributed Scientific Laboratories", *IFIP SEC 2008 Conference, IFIP World Computer Congress*, Milano, Sept. 7-10 2008
- 59 A. Bosin, N. Dessì, M. G. Fugini, B. Pes, "Cooperative E-Organizations for Distributed Bioinformatics Experiments", *Proc. 9th International Conference on Intelligent Data Engineering and Automated Learning (IDEAL 2008)*, Daejeon, Korea, November 2-5, 2008, LNCS, vol. 5326, pp. 306–313, Springer 2008
- 60 M. Comuzzi, M.G. Fugini, S.Modafferi, "Quality Contracts for Cooperative Services and Associated Resources", *Collaborative Business Processes (CBP) Workshop – 6th International Conference on Business Process Management (BPM 2008)*, Milan, 1-4 September 2008
- 61 M. Cesarini, M.G. Fugini, P. Maggiolini, M. Mezzanzanica, K. Nanini, and R. Boselli, "Why is True eGovernment still Difficult to be Achieved?" in *E-Government Ict Professionalism and Competences Service Science*, Book Series IFIP International Federation for Information Processing, Springer Boston, ISSN 1571-5736 (Print) 1861-2288 (Online), Volume 280/2008, Pages 11-20
- 62 O. Nabuco, R. Ben Halima, K. Drira, M.G.Fugini, S.Modafferi, E.Mussi, "Model-based QoS-enabled Self-Sealing Web Services", *DEXA 2008 Workshop - First International Workshop on Engineering Non-Functional Information for Emerging Systems (EN-FINES'08)*, Turin, September, 1st-5th, 2008, pp. 711-715
- 63 M.Cesarini, M. Fugini, P. Maggiolini, M. Mezzanzanica, R. Salvador Valles, "The Neglected Problem: How to Really Benchmark the Effectiveness of ICT Based Services? A Case Study", *Proc. 14th conference of AIM (Association Information and Management)*, Marrakech, June 10 -12, 2009
- 64 M.G. Fugini, "A Service Integration Platform for the Labor Market", Proc. ICEIS Conf., Milano, May 6-10, 2009 *Best Paper Award in the Information Systems Analysis and Specification Area*
http://www.iceis.org/Previous_Awards.htm
- 65 N. Dessì, M.G. Fugini, B. Pes, "A Distributed Trust and Reputation Framework for Scientific Grids", *Proc. RCIS'09 Conf.*, Fez, April 22-24, 2009
- 66 M.G. Fugini, H.Siadat, "SLA Contract for Cross-layer Monitoring and Adaptation", in *BPM Workshops, event driven BPM (edBPM) Workshop*, ULM Sept. 2009
- 67 M.G. Fugini, P. Maggiolini, C. Raibulet, L. Ubezio, "Reflections on Web-Oriented Architectures for Risk Management", in *2009 IEEE/WIC/ACM International Joint Conferences on Web Intelligence and Intelligent Agent Technologies, Intelligent E-Government and Emergency Management (EGOVEM) Workshop*, Milan, Sept. 2009
- 68 G. M. Conti, F. Rizzo, M.G. Fugini, C.Raibulet, L.Ubezio, "Wearable Services in Risk Management", in *2009 IEEE/WIC/ACM International Joint Conferences on Web Intelligence and Intelligent Agent Technologies, Web2Touch Workshop*, Milan, Sept. 2009

- 69 M.G. Fugini, P. Maggiolini, C. Raibulet, L. Ubezio, "Risk Management through Real-Time Wearable Services", in *Proc of the 4th International Conference on Software Engineering Advances (ICSEA 2009)*, Porto, September 20-25, 2009

Articles in Italian Journals

- M.G. Fugini, G. Martella, "Criteri di progettazione di sistemi crittografici", *Sistemi e Automazione*, ESTE Editrice, Anno XXXI, n. 263, (Dicembre 1985)
- M.G. Fugini, "Sicurezza delle basi di dati: a che punto siamo?", *Sistemi e Automazione*, ESTE Editrice, Anno XXXIII, n. 284, (Settembre 1987)
- B. Pernici, M.G. Fugini, S. Pozzi, M. Stanga, U. Zecca, "Un approccio alla progettazione di sistemi informativi d'ufficio: l'ambiente TODOS e lo strumento C-TODOS", *Rivista di Informatica*, vol. XIX, n. 4, (Ottobre-Dicembre 1989)
- M.G. Fugini, "Un dizionario di progetto per la progettazione cooperativa", *Sistemi e Impresa*, ESTE Editrice, Aprile 1991, (anche in Atti Giornata AICA "Evoluzione degli strumenti di specifica dei requisiti nel progetto di Sistemi Informativi", Milano, 23 Novembre 1990)
- S. Di Narda, M.G. Fugini, "Una metodologia per lo sviluppo di applicazioni sicure", *Rivista di Informatica*, vol. XXII, n. 4, (Ottobre-Dicembre 1990)
- C. Batini, S. Castano, V. De Antonellis, M.G. Fugini, B. Pernici, "Analisi degli schemi della rilevazione dei sistemi informativi della pubblica amministrazione", *Rivista di Informatica*, vol. XXVII, n. 3, (Settembre-Dicembre) 1997
- M.G. Fugini, S. Lauro, F. Maio, R. Pirola, "Ristrutturazione del Sistema Informativo Regionale della Lombardia", *Sistemi e Impresa*, ESTE Editore, Aprile 1999
- M.G. Fugini, E. Bianchi, "Sistemi informativi cooperativi. Aspetti di progettazione della sicurezza – PARTE 1: analisi e design", *Sistemi e Impresa*, ESTE Editore, n. 6 Luglio/Agosto 2003
- M.G. Fugini, E. Bianchi, "Sistemi informativi cooperativi. Aspetti di sicurezza – PARTE 2: implementazione e deployment", *Sistemi e Impresa*, ESTE Editore, n. 7, Gennaio/Febrero 2004
- M.G. Fugini, K. Nanini, "Supporto alle politiche attive per l'occupazione: il Portale *BORSA CONTINUA NAZIONALE DEL LAVORO*", *Toolnews*, Dicembre 2005
- M.G. Fugini, P. Maggiolini, B. Pagamici, "Perchè è difficile fare vero Governo Elettronico", *Sviluppo&Organizzazione*, 2007

Italian Conferences and Other International Conferences

- M.G. Fugini, G. Martella, "On designing cryptographic systems", *Proc. Italian-Soviet Seminar on Computer Networks*, Ischia, (June 1985)
- B. Pernici, M.G. Fugini, S. Pozzi, "C-TODOS: uno strumento automatico di supporto alla progettazione concettuale di sistemi informativi di ufficio", *Atti Convegno Annuale AICA*, Cagliari, (Settembre 1988)
- A. Celentano, M.G. Fugini, S. Pozzi "Semantic retrieval of documents: a framework for a knowledge-based system", *Atti Convegno Annuale AICA*, Trieste, (Ottobre 1989)
- S. Fäustle, M.G. Fugini, "Interrogazioni di progetto basate su criteri di somiglianza su una base descrittiva di software riutilizzabile", *Atti Convegno Annuale AICA*, Siena, (Settembre 1991)
- R. Bellinzona, M.G. Fugini, "Riutilizzo di specifiche dei requisiti da una base di progetto", *Atti Convegno Annuale AICA*, Torino, (Ottobre 1992)

A. Celentano, M.G. Fugini, S. Pozzi, "Conceptual document browsing and retrieval in Kabiria", Video Session, ACM-SIGMOD Conf., San Diego, (June 1992)

S. Castano, V. De Antonellis, M.G. Fugini, B. Pernici "Techniques for the analysis of conceptual schemas", Atti Convegno Annuale Sistemi Evoluti per Basi di Dati (SEBD'95), Ravello, (Maggio 1995)

C. Batini, S. Castano, M.G. Fugini P. Naggar, M. Pellizzoni, B. Pernici, "Tecniche per l'analisi di descrizioni di processi nella Pubblica Amministrazione", Atti Convegno Annuale AICA, Cagliari, (Settembre 1995)

E. Damiani, M.G. Fugini, R. Zoccali "Uno schema di classificazione di componenti basato su adattabilità fuzzy", Atti Convegno Annuale AICA, Cagliari, (Settembre 1995)

M.G. Fugini, M.P. Gaggia, "Modellizzazione di processi nell'analisi dei requisiti: tecniche orientate agli oggetti", Atti Convegno Annuale AICA, Cagliari, (Settembre 1995)

E. Damiani, M.G. Fugini, E. Fusaschi, "Un'estensione fuzzy del modello relazionale per il riutilizzo di componenti software", Atti Convegno Annuale Sistemi Evoluti per Basi di Dati (SEBD'96), S. Miniato, (Luglio 1996)

F. Casati, S. Castano, M.G. Fugini, I. Mirbel, and B. Pernici. "WERDE: a pattern-based tool for exception design in workflows", Atti Convegno Annuale Sistemi Evoluti per Basi di Dati (SEBD'98), Ancona, (Giugno 1998)

M.G. Fugini, F. Maio, "Piano di ristrutturazione del Sistema Informativo Regionale della Lombardia", Atti Convegno Annuale Sistemi Evoluti per Basi di Dati (SEBD'99), Como, (Settembre 1999)

M.G. Fugini, E. Orlandi, "IT issues for utilities in a competitive environment", *Proc. 17th National Database Conference*, October 10-12, 2000, Baoding, Hebei, China

M.G. Fugini, M. Mezzanica, P. Plebani, "Il nuovo Portale Istruzione, Formazione e Lavoro della Regione Lombardia: interoperabilità e web services", Atti Convegno Annuale AICA, Conversano, (Settembre 2002)

M.G. Fugini, M. Mezzanica, "Politiche attive per il lavoro e servizi forniti dal Portale della Regione Lombardia nel quadro dei progetti di e-government", in Colloquio tra pubblico e privato, edizioni Giuffrè, Collana del Dipartimento di Diritto privato e del lavoro italiano e comparato (a cura di P. Olivelli), Marzo 2003

M.G. Fugini, B. Pernici, "Canali e servizi in sistemi informativi multicanale: una classificazione e un dominio applicativo", *Lavoro Breve*, Atti Convegno Annuale AICA, Trento, Settembre 2003

M. Fontana, M.G. Fugini, M. Mezzanica, A. Mostosi, "Il modello federato dei servizi al lavoro nel piano di E-Government: Regione Lombardia, Province Lombarde, Operatori privati", Atti Convegno Annuale AICA, Trento, Settembre 2003

M.G. Fugini, P. Maggiolini, B. Pagamici, "Perché è difficile fare E-Government", Atti Convegno Annuale AICA, Benevento, (Settembre 2004); anche in Atti Convegno itAIS 2005 Conference Organising Information Systems: Evolution of Studies in the Field, Verona, Dicembre 2005

F. Buccafurri, L. Console, P. De Meo, M.G. Fugini, A. Goy, G. Lax, P. Lops, S. Modafferi, B. Pernici, C. Picardi, D. Redavid, G. Semeraro, D. Ursino, "Modellazione della QoS in Ambienti Web-Service con Applicazioni di Video Streaming", *Proc. SEBD'07*, pp.298-307, Brindisi, Giugno 2007

Books in Italian (Text Books)

M.G. Fugini, F. Maio, P. Plebani, *Sicurezza dei Sistemi Informatici*, Apogeo Editore, Marzo 2001

D. Ardagna, M.G. Fugini, B. Pernici, P. Plebani, *Sistemi Informativi Basati su Web*, collana Sistemi Informativi, Franco Angeli, Volume VI, 2006

F. Amarilli, D. Ardagna, M.G. Fugini, R. Tedesco, *Impianti Informatici. Tecnologie e Applicazioni*, McGraw-Hill Italia, 2007

Patents

Dynamic task assignment in workflows, Patent number: 7155720 Issue date: 26 Dec 2006 Inventors: Fabio Casati, Silvana Castano, Mariagrazia Fugini Assignee: Hewlett-Packard Development Company, L.P., U.S. Classification 718/104; 718/100; 718/102

(<http://www.google.it/patents?hl=it&lr=&vid=USPAT7155720&id=DF9-AAAAEBAJ&oi=fnd&dq=castano+autore:s-castano>)

Research Reports

D. Bianchini, C. Cappiello, M. Comuzzi, V. De Antonellis, M. G. Fugini, A. Maurino, M. Mecella, M. Melchiori, E. Mussi, B. Pernici, D. Presenza “Definizione dei linguaggi per la descrizione di e-Service”, MAIS Project Report, Novembre 2003

Avenali, Barbieri, Baresi, Batini, Bianchi, Cappiello, De Antonellis, Francalanci, Fugini, Graziani, Matera, Mainetti, Melchiori, Melideo, Pernici, Plebani, Sbattella, Tisato "Analisi delle caratteristiche dei servizi multicanale e del loro utilizzo nei sistemi esistenti ", Maggio 2003, MAIS Project Report

Miscellaneous

M.G. Fugini, E. Orlandi, “Census data and protection issues” in *Informatik Forum*, September 1989

M.G. Fugini, O. Nierstrasz, B. Pernici, “Application through Reuse: the Ithaca Tools Environment”, *SIG-OIS Bulletin*, vol.13, n. 2, August 1992 (also appeared in Proc. First European Workshop on Software Process Modeling, Milano, May1991)

M.G. Fugini, E. Orlandi, “La riservatezza dei dati medici”, in *Informatica di Base per la Medicina*, UTET 1992, F. Pincioli Editor

A. Finzi, M.G. Fugini, B. Mignemi, “Astronautica”, *Enciclopedia delle Scienze*, Vol.89 De Agostini, 1989

M.G. Fugini, “Datensicherheitsmassnahmen in Betriebssystemen und Datenbanken”, in *Datensicherheit und Datenschuts*, P.Fleissner, M.Choa (Eds.), Studien Verlag, 1996

M.G. Fugini, “Sicurezza nel commercio elettronico: un caso di studio”, *Atti Convegno SMAU 2000*, Milano, Settembre 2000

M.G. Fugini (Traduzione a cura di), *An Invitation to Computer Science*, Jackson Libri, 2002

M.G. Fugini (Traduzione a cura di), *Method General de Specification des Systemes Informatiques*, 2 Volumi dal Francese, Masson Editore, 1987

Courses and Lecture Material

M.G. Fugini, G. Serazzi, “*Area Sicurezza: Corso di Formazione sulla Sicurezza nel Commercio Elettronico per le Piccole e Medie Imprese*”, Consorzio Politecnico Innovazione, Maggio 2001, pubblicato su sito Internet <file:///C:/Documents%20and%20Settings/fugini.DEL/programmi/qualcomm/eudora/attach/www.PoliPML.it> Progetto Regionale 22/2000 L.R. 35/96

M.G. Fugini, F. Maio, *Sicurezza dei Sistemi Informativi*, CUSL Milano, Ottobre 1999

M.G. Fugini, “Materiale Didattico relativo al volume Sicurezza dei Sistemi Informativi” <http://www.apogonline.it/>

M.G. Fugini, “Il Portale Servizi all’Impiego della Regione Lombardia”, materiale didattico modulo Laurea On-line corso *Sistemi Informativi per la Pubblica Amministrazione*, Politecnico di Milano, Febbraio 2003

M.G. Fugini, M. Mezzanica, “An Application within the Plan for E-EGovernment: the Workfair Portal”, 2003, 34 p. Editore CUSL (Milano)

M.G. Fugini, M. Mezzanica, “Development of a Security Methodology for Cooperative Information Systems. The Coopsis project”, 2003, 20 p. Editore CUSL (Milano)

M.G. Fugini, M. Mezzanica, “Il sistema informativo per il mercato del lavoro. Modelli ed esempi di progettazione”, 2003, 27 p. Editore CUSL (Milano)