FRANCESCO GUERRA

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Personal Information
Date of birth: 21/05/1973
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Education and Training
- Laurea in Ingegneria Informatica, from the University of Modena and Reggio Emilia on 19/7/2000. Thesis title: il wrapper per sorgenti di dati XML.
- Professional Engineering Licence released by the University of Modena and Reggio Emilia on 21/12/2000. Registered in the List of the Professional Engineers in the Provincia of Reggio Emilia, (id: 1865)
- PhD in Information Engineering (XVI Ciclo – II Ciclo Nuova Serie), on 31/12/2003- Title of the thesis: "Dai dati all'informazione: il sistema MOMIS", advisor Prof. Sonia Bergamaschi
- National Scientific Qualification in the sector 09/H1 (valid from 30/03/2018 to 30/03/2024) to be selected as Full Professor

Work Experience
- Associate Professor from the Department of Engineering "Enzo Ferrari" at the University of Modena and Reggio Emilia (since 31/10/2015)
- Ricercatore Universitario (Assistant Professor) at the Facoltà di Economia "Marco Biagi", University of Modena and Reggio Emilia, ssd ING-INF/05, since 1/11/2005. Since 01/07/2012 to 30/10/2015, he has been affiliated to the Department of Engineering "Enzo Ferrari" at the University of Modena and Reggio Emilia.

Previous experiences
- Temporary work at the Franco Cosimo Panini Publisher for the management of the website http://www.comix.it (1996-1999)
- Temporary work at the University of Modena and Reggio Emilia for the development of a software application related to the Momis Project (2000)
- Temporary work at the Dipartimento di Ingegneria dell'Informazione - University of Modena and Reggio Emilia (February 2004- 30 June 2005) for working in the SEWASIE European Project, with the specific tasks of:
  - Contributing to the development and implementation of software components related to WP 1 "Global System Architecture and Software Integration";
  - Contributing to the development and implementation of software components related to WP2 "Semantic Enrichment Integration";
  - Contributing to the delivery of the technical reports planned in WP10 "Project Management".
  - Assuming the responsibility of WP1;
  - Contributing to the delivery of the technical reports to be delivered at Month 36 (April 2005);
  - Publishing the final technical report (deliverable D10.6) of the whole project.
- Temporary work at the Dipartimento di Ingegneria dell'Informazione - University of Modena and Reggio Emilia for research activities in the project WISDOM: Ricerca Intelligente su Web basata su Ontologie di Dominio, Programma di ricerca scientifica di rilevante interesse nazionale, anno 2004 - prot. 2004095494 (1 July 2005 – 31 October 2005).
- Member of the Technical Executive Committee of Modena Network S.p.A. from 12/01/2004 to 31/10/2005

Other Experiences

- He was member of the Scientific Management Committee and Responsible Person of the Information Systems of Officina Emilia, a museum – laboratory of the University of Modena and Reggio Emilia that aims to promote the study of the Mechanical Industry in the Region Emilia Romagna(2008-2013).
- Since 2010 he is Secretary of the ICT international Doctorate School of the University of Modena and Reggio Emilia.

Personal Skills

Language Skills

	Understanding		Speaking		Writing
	Listening	Reading	Spoken Interaction	Spoken Production	
Inglese	B2	C2	B2	B2	C1
Francese	C1	B2	B2	B2	A2

(Self-evaluation)

Research Activity

Since 2001, when he started to research during his PhD course, Francesco Guerra's activity has mainly dealt with information management, and has been oriented both to theoretical, formal aspects in the field of knowledge representation and to practical issues as the need of interacting with heterogeneous large databases. His main research interests include integration of heterogeneous information sources, intelligent software agents, Semantic Web and keyword-base searches. The research has constantly included field test activities through the design and implementation of prototypical applications which have been experimented in real cases provided by National and European research projects.

The main topics that Francesco has addressed in his research up till now are:

1. Intelligent Integration of Information and Semantic Web
2. Software agents and data integration
3. Keyword search on structured databases

The main outcomes of the research activities where he has contributed are: (i) MOMIS, a mediator based system for the integration of structured and semistructured data sources. MOMIS has also been exploited in the Semantic Web, as a tool for the creation and the integration of ontologies. (ii) RELEVANT, a prototype implementing a set of techniques for the identification of "relevant values" among those contained in the domain of attributes of data sources. (iii) KEYMANTIC/KEYRY/QUEST, three keyword based search engines exploiting semantic techniques, a probabilistic approach based on a Hidden Markov Model and an approach combining semantic and a probabilistic techniques, respectively.

Francesco Guerra promoted a COST Action on Semantic search in structured data sources. The COST Action was approved on May 2013 (COST IC1302 KEYSTONE - www.keystone-cost.ue) and in October 2013 he has been appointed as Chair of the Management Committee. The Action includes members from 26 countries (http://www.cost.eu/domains_actions/ict/Actions/IC1302?management). The Action finished on 14/12/2017.

Francesco Guerra is principal investigator of the CEF-TELECOM Re-search Alps project (INEA/CEF/ICT/A2016/1296967), a project started on 1/7/2017 and finishing on 30/6/2019 for integrating open datasets describing research and innovation centers (http://researchalps.eu).

Participation in Projects

Francesco Guerra has participated in several Italian and European projects. Among them:

1) the National Italian PRIN WISDOM (Web Intelligent Search based on DOMain ontologies) project –years 2004-2006, where he worked within theme 1 "Creation and update of a Domain Ontology"; theme 2 "Emergent Semantics: discovering semantic mappings amongst domain ontologies" and he supported the Project Coordinator during the coordination of the activities.

2) the EU SEWASIE project (SEmantic Web and AgentS in Integrated Economies) - years 2002-2005, where he worked on WP 1 "Global System Architecture and Software Integration" (where he was WP-leader in the last year), on WP2 (semantic enrichment and integration), on WP10 (Project management) where he took charge of the publishing of the final report and the showcase.

3) the EU Project STASIS Software for Ambient Semantic Interoperable Services (years 2006-2009), which allows SMEs to participate in the e-Economy by offering a coherent set of semantic applications.

4) the National Italian FIRB NEP4B: Networked Peers for Business (years 2006-2009) that developed an infrastructure to enable companies of any nature, size and location to search for partners, exchange data and collaborate. He was involved in WP2 Design of single peer functional architecture, WP3 Prototyping and Validation, WP5 Dissemination and exploitation (Responsible person for the UNIMORE team) and WP6 Project management (where he supported the Coordinator's tasks).

5) The local project: Searching for a needle in mountains of data (years 2008-2011), funded by the Fondazione Cassa di Risparmio di Modena, addressing the issue of easily querying a mediator based system.

6) COST Action IC1302 (2013-2017) – KEYSTONE semantic KEYword-based Search on sTructured data sOurcEs, that aims to establish a cooperative network for promoting the development of a new revolutionary paradigm that provides users with keyword-based search capabilities for structured data sources as they currently do with documents. He was Chair of the Management Committee.

7) INEA/CEF/ICT/A2016/1296967 (2017-2019) Re-search Alps project that aims to gather, consolidate, harmonize and make available to different targets (public and private bodies working at local, regional and national level) data about laboratories and research and innovation centers which are active in particular in the regions of seven countries which constitute the Alpine Area. He is the P.I.

Program Committee membership (since 2015)

- The Second International Symposium on Big Data Principles, Architectures & Applications (BDAA 2015) As part of The International Conference on High Performance Computing & Simulation (HPCS 2015)
- 18th International Conference on Business Information Systems 24-26 June 2015, Poznań, Poland (BIS 2015)
- 27th International Conference on Advanced Information Systems Engineering (CAISE 2015) 8-12 June 2015, Stockholm, Sweden
- 26th International Conference on Database and Expert Systems Applications - DEXA 2015, Valencia, Spain September 1 - 4, 2015
- Fourth International Workshop on Querying Graph Structured Data 27 March 2015, Brussels, Belgium
- XX Jornadas de Ingeniería del Software y Bases de Datos Santander, del 15 al 17 de Septiembre de 2015
- MobiWis 2015 : The 12th International Conference on Mobile Web and Intelligent Information Systems
- 23rd Italian Symposium on Advanced Database Systems, SEBD 2015, June 14-17, 2015, Gaeta (IT)
- 7th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management (KMIS 2015)
- Hawaii International Conference on System Sciences HICSS-49: January 5-8, 2016
- 12th International Conference on Web Information Systems and Technologies, 23-25 April, Roma, Italy (WEBIST-2016)
- 19th International Conference on Business Information Systems 6-8 July 2016, Leipzig, Germany
- 28th International Conference on Advanced Information Systems Engineering (CAISE 2015) 13-17 June 2016, Ljubljana, Slovenia
- 27th International Conference on Database and Expert Systems Applications (DEXA 2016)
- The 26th ACM International Conference on Information and Knowledge Management (CIKM) takes place November 6-10, 2017 in Singapore (CIKM2017)
- 20th International Conference on Business Information Systems 28-30 June 2017, Poznań, Poland (BIS2017)

- 21st European Conference on Advances in Databases and Information Systems Hilton Cyprus Hotel, Nicosia, Cyprus 24 - 27 September (ADBIS2017)
- 28th International Conference on Database and Expert Systems Applications - DEXA 2017. Lyon, France August 28 - 31, 2017. (DEXA2017)
- The ESWC 2017 takes place from May 28th, 2016 to June 1st, 2017 in Portoroz, Slovenia.
- Sixth International Workshop on Querying Graph Structured Data 21 March 2017, Venice, Italy (GRAPHQ 2017)
- Italian Symposium on Advanced database Systems (SEBD2017)
- Semantic and Social Media Adaptation and Personalization (SMAP2017)
- WEBIST 2017 : 13th International Conference on Web Information Systems and Technologies
- 4th International Workshop on Exploratory Search in Databases and the Web Co-located with SIGMOD/PODS 2017 Raleigh (ExploreDB2017)
- IEEE International Conference on Data Engineering (ICDE2018)
- The 27th ACM International Conference on Information and Knowledge Management October 22-26, 2018 at Lingotto, Turin, Italy (CIKM2018)
- 13th International Workshop on Semantic and Social Media Adaptation and Personalization (SMAP 2018) will take place in Zaragoza (Spain), on 6th and 7th September 2018.
- 21st International Conference on Business Information Systems BIS 2018
- 22nd European Conference on Advances in Databases and Information Systems. September 2-5, 2018. Budapest, Hungary.

Guest Editor in international journals / books

- Special issue on "Search using Metadata, Semantic, and Ontologies" of the International Journal of Metadata, Semantics and Ontologies (IJMSO) ISSN (Online): 1744-263X - ISSN (Print): 1744-2621 (Vol 3 - Issue 1 - 2008) (co-editors: Jorge Cardoso and Christoph Bussler).
- Special issue on Information Overload of IEEE Internet Computing, ISSN: 1089-7801, (Nov/Dec 2010, co-editors: Sonia Bergamaschi and Barry Leiba).
- Special issue on "Semantic Web Data Management" of Information Systems vol 37(4): 291-293, Elsevier (2012) (co-editors: Roberto De Virgilio, Fausto Giunchiglia, Letizia Tanza, Yannis Velegrakis).
- Editor of the Book "Searching over the Web", Springer 2012, ISBN 978-3-642-25007-1 (co-editor: Roberto De Virgilio, Yannis Velegrakis)

Organization of conferences / workshops

- 1st Workshop SWAE – Semantic Web Architectures for Enterprises (co-located with DEXA 2007), co-organizers Sonia Bergamaschi, Paolo Bouquet
- 2nd Workshop SWAE – Semantic Web Architectures for Enterprises (co-located with DEXA 2008), co-organizers Sonia Bergamaschi, Yannis Velegrakis
- 8th Workshop AP2PC – Agents and Peer-to-Peer Computing (co-located with AAMAS 2009), co-organizers Gianluca Moro, Adrián Perreau de Pinninck
- 1st Workshop DESWeb 2010 – Data Engineering meets the Semantic Web (co-located with ICDE 2010), co-organizer Yannis Velegrakis
- 2nd Workshop DESWeb 2011 – Data Engineering meets the Semantic Web (co-located with ICDE 2011), co-organizer Yannis Velegrakis
- 11th International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2012) 10-14 Sept 2012, Roma, Italy (publicity chair)
- Co-chair of the Second International Symposium on Big Data Principles, Architectures & Applications (BDAA 2015), July 20 – July 24, 2015, The Hilton Amsterdam Hotel Amsterdam, The Netherlands
- Program co-chair in the 1th International KEYSTONE Conference, 8-9 Sept 2015, Coimbra, Portugal
- Co-chair of KARS 2017 - 1st International Workshop on Keyword-based Access and Ranking at Scale co located with 20th EDBT/ICDT 2017 Joint Conference 21 March 2017, Venice, Italy

Other
- Member of the Editorial Board of the book: Maria Teresa Pazienza and Armando Stellato, Semi-Automatic Ontology Development: Processes and Resources doi:10.4018/978-1-4666-0188-8, 340, IGI Global, February, 2012
- Member of the Editorial Board dell International Journal On Advances in Intelligent System (IARIA) since 2012
- Member of the Editorial Board of the LNCS Transaction on Computational Collective Intelligence since 2017

Teaching Activity

- In the years **2000/2001** he was teacher assistant in the following courses:
  - **Fondamenti di Informatica C** - Corso di Laurea in Ingegneria Informatica, at the Faculty Engineeing – University of Modena and Reggio Emilia;
  - **Databases II** - Corso di Diploma Universitario in Ingegneria Informatica, at the Faculty Engineeing – University of Modena and Reggio Emilia;
- In the years **2001/2002** he was teacher assistant in the courses of Databases I e Databases II, Corso di Diploma Universitario in Ingegneria Informatica, Faculty Engineeing – University of Modena and Reggio Emilia.

- In the years **2002/2003** he was teacher assistant in the courses of Databases e Databases A, Corso di Laurea in Ingegneria Informatica, at the Faculty Engineeing – University of Modena and Reggio Emilia.

- In the years **2003/2004** he was teacher of Informatics (A-L), Corso di Laurea in Economia e Marketing Internazionale, at the Faculty of Economics "Marco Biagi" University of Modena and Reggio Emilia.

- In the years **2003/2004** he was teacher of Laboratory of databases IEI, Corso di Laurea in Ingegneria Informatica, at the Faculty Engineeing – University of Modena and Reggio Emilia.

- In the years **2004/2005** he was teacher of Enterprise Information Systems at the Faculty of Economics "Marco Biagi" University of Modena and Reggio Emilia.

- In the years **2004/2005** he was teacher of business management and enterprise information systems at the Faculty of Economics "Marco Biagi" University of Modena and Reggio Emilia.

- In the years **2004/2005** he was teaching assistant in the course of Basi di Dati e Sistemi Informativi in the Corso di Laurea di Operatore Informatico Giuridico, at the Faculty of Law, Università di Bologna.

- In the years **2004/2005** he was teaching assistant in the course of Basi di Dati A, Corso di Laurea in Ingegneria Informatica, at the Faculty Engineeing – University of Modena and Reggio Emilia.

- In the years **2005/2006** he was teacher of Enterprise Information Systems at the Faculty of Economics "Marco Biagi" University of Modena and Reggio Emilia.

- In the years **2005/2006** he was teaching assistant in the course of Basi di Dati e Sistemi Informativi in the Corso di Laurea di Operatore Informatico Giuridico, at the Faculty of Law, Università di Bologna.

- In the years **2005/2006, 2006/2007, 2007/2008, 2009/2010** he was teacher of Enterprise Information Systems and Computer Science at the Faculty of Economics "Marco Biagi" University of Modena and Reggio Emilia

- In the years **2010/2011** he was teacher of Informatics MQ e RZ at the Faculty of Economics "Marco Biagi" University of Modena and Reggio Emilia

- In the years **2011/2012** he was teacher of Informatics MQ e RZ and of Enterprise Information Systems at the Faculty of Economics "Marco Biagi" University of Modena and Reggio Emilia.

- In the years **2012/2013** he was teacher of Informatics AL, MZ (Laurea Triennale in Economia aziendale), Informatica MZ at the Faculty of Economics "Marco Biagi" University of Modena and Reggio Emilia.

- In the years **2013/2014** and **2014/2015** he was teacher of Informatics AL, MZ (Laurea Triennale in Economia aziendale), Informatics MZ (Laurea Triennale in Economia e Finanza) at the Department of Economics "Marco Biagi" University of Modena and Reggio Emilia. He was also teacher of Big data Analysis at the Department of Engineering "Enzo Ferrari" University of Modena and Reggio Emilia.

- In the years **2016/2017 2015/2016** and **2014/2015** he was teacher of the courses of Big data Analysis and Software Engineering at the Department of Engineering "Enzo Ferrari" University of Modena and Reggio Emilia.

- In the years **2016/2017** he was teacher of the courses of Basi di Dati at the Department of Engineering "Enzo Ferrari" University of Modena and Reggio Emilia.

- In the years **2017/2018** and **2018/2019** he was teacher of the courses of Big data Analysis and Software Engineering at the Department of Engineering "Enzo Ferrari" University of Modena and Reggio Emilia.

Other teaching activity

He was co-supervisor of two PhD Students.

He is supervisors of a PhD Student (Matteo Paganelli, XXXIII Cycle).

Co-author of the book : Domenico Beneventano, Sonia Bergamaschi, Francesco Guerra, Maurizio Vincini: Progetto di Basi di dati relazionali – lezioni ed esercizi, Pitagora Editrice Bologna, 2007.

In April 2012 he was external member in the **Qualifying Exam ICT** International Doctoral School in Information and Communication Technology at the'Università di Trento.
In April 2012 he was **member of the committee for the evaluation of the PhD Student** dott.ssa Annamaria Chiasera (thesis in "Privacy elicitation and utilization in distributed data exchange systems") at the'Università di Trento.
In May 2012 he was **member of the committee for the evaluation of the PhD Student** Raquel Trillo Lado at the Universidade da Coruña- Spagna
In April 2013 he was **member of the committee for the evaluation of the PhD Student** dott Siarhei Bykau at the Università di Trento

LIST OF PUBLICATIONS

Synopsis of the publications

International Journals: 20
Chapters in international books: 5
Italian Journals: 1
International conferences: 44
Italian conferences: 14

Journals (RI) and Chapters in Books (CLI)

[**RI**1]   S. Bergamaschi, G. Cabri, F. Guerra, L. Leonardi, M. Vincini, F. Zambonelli, **MOMIS: Exploiting Agents to Support Information Integration,** Special Issue of the International Journal on Cooperative Information Systems vol. 11(3-4): 293-314, 2002, ISSN 0218-8430

[**RI**2]   I. Benetti, D. Beneventano, S. Bergamaschi, F. Guerra, M. Vincini, **An Information Integration Framework for E-Commerce,** IEEE Intelligent Systems Magazine, January/February 2002, pp. 18-25, ISSN 1541-1672

[**RI**3]   D. Beneventano, S. Bergamaschi, F. Guerra, M. Vincini, **Synthesizing an Integrated Ontology,** IEEE Internet Computer, September-October 2003, 42-51, ISSN 1089-7801

[**RI**4]   I. Benetti, S. Bergamaschi, F. Guerra, M. Vincini, **Soap-enabled web services for knowledge management** Int. J. Web Engineering and Technology, Vol. 1. N. 2, pp. 218-235, InderScience Publishers, 2004. ISSN: 1476-1289.

[**RI**5]   D. Beneventano, F. Guerra, S. Magnani, M. Vincini, **A Web Service based framework for the semantic mapping between product classification schemas,** in Journal of Electronic Commerce Research vol. 5(2) pp 114-127, ISSN 15266133, 2004.

[**RI**6]   D. Beneventano, S. Bergamaschi, F. Guerra, M. Vincini, **Building a Tourism Information Provider with the MOMIS System**, Information Technology & Tourism Journal (ISSN 1098-3058), 7:3-4, pp. 221-238, 2005.

[**RI**7]   S. Bergamaschi, G.Gelati, F. Guerra, M. Vincini:"**An Intelligent Data Integration Approach for Collaborative Project Management in Virtual Enterprises**", World Wide Web: Internet and Web Information Systems, Volume 9 Issue 5 (March 2006), pp. 35-61, Kluwer Academic Publishers, ISSN:1386-145X, DOI: 10.1007/s11280-005-2322-7

[**RI**8]   S. Bergamaschi, P. Bouquet, D. Giacomuzzi, F. Guerra, L. Po, M. Vincini :"**Melis: an incremental method for the lexical annotation of domain ontologies** ", International Journal on Semantic Web and Information Systems, 3(3), 57-80, July-September 2007, ISSN: 1552-6283.

[**RI**9]   S. Bergamaschi, F. Guerra, M.Orsini, C.Sartori: "**Extracting Relevant Attribute Values for Improved Search** ", IEEE Internet Computer, September-October 2007, 26-35, ISSN 1089-7801.

[**RI**10]   D. Beneventano, S. Bergamaschi, F. Guerra, M. Vincini, **The SEWASIE Network of Mediator Agents for Semantic Search**, Special Issue on Ontologies and their Applications of the Journal of Universal Computer Science (J.UCS), Vol. 13, No. 12, 2007 pp. 1936-1969 ISSN: 0948-695X.

[**RI**11]   S. Bergamaschi, E. Domnori, F. Guerra, M. Orsini, R. Trillo Lado, Y. Velegrakis: **Keymantic: Semantic Keyword-based Searching in Data Integration Systems**. PVLDB 3(2): 1637-1640 (2010), ISSN 2150-8097

[**RI**12]   S. Bergamaschi, F. Guerra, B. Leiba: **Information Overload.** ", IEEE Internet Computing, November-December 2010, 10-13 ISSN 1089-7801

[**RI**13]   S. Bergamaschi, F. Guerra, M. Orsini, C. Sartori, M. Vincini: **A semantic approach to ETL technologies**. Data Knowl. Eng. 70(8): 717-731 (2011) ISSN 0169-023X

[**RI**14]   M. Palmonari, A. Sala, A. Maurino, F. Guerra, G. Pasi, G. Frisoni: **Aggregated search of data and services**. Information Systems 36(2): 134-150 (2011), Elsevier. ISSN: 03064379

[**RI**15]   S. Bergamaschi, F. Guerra, M. Interlandi, R. Trillo Lado, Y. Velegrakis: **QUEST: A Keyword Search System for Relational Data based on Semantic and Machine Learning Techniques**. PVLDB 6(12) (2013), ISSN 2150-8097

[**RI**16] F.Guerra , G. Simonini, M.Vincini: **Supporting Image Search with Tag Clouds: a Preliminary Approach**, in Advances in Multimedia, Hindawi, 2015

[**RI**17] S. Bergamaschi, F. Guerra, M. Interlandi, R. Trillo Lado, Y. Velegrakis: **Combining user and database perspective for solving keyword queries over relational databases**. Inf. Syst. 55: 1-19 (2016)

[**RI**18] S. Bergamaschi, N.Ferro, F. Guerra, G.Silvello: **Keyword-based Search over Databases: A Roadmap for a Reference Architecture Paired with an Evaluation Framework**. LNCS Transactions on Computational Collective Intelligence, LNCS 9630, 2016

[**RI**19] E.Sartori,Y. Velegrakis, F. Guerra: **Entity-based Keyword Search in Web Document**. LNCS Transactions on Computational Collective Intelligence, LNCS 9630, 2016

[**RI**20] S. Bergamaschi, D. Ferrari, F. Guerra, G. Simonini, Y. Velegrakis: **Providing Insight into Data Source Topics**. J. Data Semantics 5(4): 211-228 (2016)

[**RI**21] Sonia Bergamaschi, Francesco Guerra, Matteo Interlandi, Raquel Trillo Lado, Yannis Velegrakis: **Combining user and database perspective for solving keyword queries over relational databases**. Inf. Syst. 55: 1-19 (2016)

[**RI**22] Sara Cadegnani, Francesco Guerra, Sergio Ilarri, María del Carmen Rodríguez-Hernández, Raquel Trillo Lado, Yannis Velegrakis, Raquel Amaro: **Exploiting Linguistic Analysis on URLs for Recommending Web Pages: A Comparative Study**. Trans. Computational Collective Intelligence 26: 26-45 (2017)

[**CLI**1] D. Beneventano, S. Bergamaschi, J. Gelati, F. Guerra, M. Vincini: **MIKS: an agent framework supporting information access and integration**, in Intelligent Information Agents - The AgentLink Perspective, (editors: S. Bergamaschi, M. Klusch, P. Edwards, P. Petta) - March 2003, Lecture Notes in Computer Science N. 2586 - Springer Verlag, pp. 22-49 ISSN 0302-9743 ISBN 3-540-00759-8

[**CLI**2] D. Beneventano, S. Bergamaschi, F. Guerra, M. Orsini: **Data Integration**, in Handbook of Conceptual Modeling (editors S: D. W. Embley, B. Thalheim), Springer, 2011 ISBN 978-3-642-15864-3

[**CLI**3] S. Bergamaschi, E. Domnori, F. Guerra, S. Rota, R. Trillo Lado, and Y. Velegrakis: "**Understanding the Semantics of Keyword Queries on Relational Data Without Accessing the Instance**" in "Semantic Search over the Web", Springer, ISBN 978-3-642-25007-1, (2012).

Italian Journals (RN)

[**RN**1] G. Gelati, F. Guerra, M. Vincini, **Agents Supporting Information Integration: the MIKS Framework**, AI*IA Notizie, Periodico dell'Associazione Italiana per l'Intelligenza Artificiale, AnnoXIV, N.4, Dicembre 2001

International Conferences / workshops (CI)

[**CI**1] D. Beneventano, S. Bergamaschi, I. Benetti, A. Corni, F. Guerra, G. Malvezzi, **SI-Designer: a tool for intelligent integration of information**, 34th Annual Hawaii International Conference on System Sciences (HICSS-34), January 3-6, 2001, Maui, Hawaii - Track 9. IEEE Computer Society

[**CI**2] D. Beneventano, S. Bergamaschi, F. Guerra, M. Vincini**, The Momis approach to Information Integration**, IEEE and AAAI International Conference on Enterprise Information Systems (ICEIS01), Setùbal, Portugal, 7-10 July 2001, pp.194-198, ISBN 972-98050-2-4

[**CI**3] I. Benetti, D. Beneventano, S. Bergamaschi, F. Guerra, M. Vincini, **SI-Designer: an Integration Framework for E-Commerce**, IJCAI*01 Workshop on E-Business & the Intelligent Web Seattle, USA * August 5 2001

[**CI**4] S. Bergamaschi, G. Cabri, F. Guerra, L. Leonardi, M. Vincini, F. Zambonelli, **Supporting information integration with autonomous agents**, Fifth International Workshop CIA-2001 on COOPERATIVE INFORMATION AGENTS September 6 - 8, 2001 Modena, Italy pp, 88-99.

[**CI**5] D. Calvanese, S. Castano, F. Guerra, D. Lembo, M. Melchiori, G. Terracina, D. Ursino, M. Vincini, **Towards a comprehensive methodological framework for integration**, 8th International Workshop on Knowledge Representation meets Databases (KRDB-2001), Roma, Italy, September 15, 2001

[CI6] S. Bergamaschi, F. Guerra, M. Vincini, **A Data Integration Framework for E-commerce product classification**, 1st International Semantic Web Conference (ISWC2002), Sardegna, Italy, 9-12 June 2002, Lecture Notes in Computer Science 2342 Springer 2002, pp. 379-393, ISBN 3-540-43760-6

[**CI**7]   S. Bergamaschi, F. Guerra, **Peer to Peer Paradigm for a Semantic Search Engine**, in proceedings of the International Workshop on Agents and Peer-to-Peer Computing, Bologna, 15 July 2002, LNCS 2530, Springer ISBN 3-540-40538-0

[**CI**8]   S. Bergamaschi, F. Guerra, M. Vincini, **Product Classification Integration for E-Commerce**, Second International Workshop on Electronic Business Hubs - WEBH 2002 in conjunction with DEXA 2002, September 2-6 2002, Aix En Provence, France, published by IEEE Computer Society, Los Alanitos (CA), ISBN 0-7695-1668-8, pp. 861-867

[**CI**9]   D. Beneventano, S. Bergamaschi, S. Castano, V. De Antonellis, A. Ferrara, F. Guerra, F. Mandreoli, G. Ornetti, M. Vincini, **Semantic Integration and Query Optimization of Heterogeneous Data Sources,** First International Workshop on Efficient Web-based Information Systems (EWIS), September 2 2002, Montpellier, France, pp.154-165.

[**CI**10] S. Bergamaschi, F. Guerra, M. Vincini, **A peer-to-peer information system for the semantic web,** in proceedings of the International Workshop on Agents and Peer-to-Peer Computing, held in AAMAS 2003 International Conference on Autonomous Agents and MultiAgent Systems Melbourne, Australia, July 14, 2003

[**CI**11] D. Beneventano, S. Bergamaschi, F. Guerra, M. Vincini: **Building an Ontology with MOMIS**, in proceedings of the Semantic Integration Workshop within the Second International Semantic Web Conference (ISWC 2003), Monday, October 20, 2003 Sundial Resort, Sanibel Island, Florida, USA.

[**CI**12] D. Beneventano, S. Bergamaschi, F. Guerra, M. Vincini, **Building an integrated Ontology within SEWASIE system,** in proceedings of the First International Workshop on Semantic Web and Databases, Co-located with VLDB 2003 Berlin, Germany, September 7-8, 2003

[**CI**13] S. Bergamaschi, G.Gelati, F. Guerra, M. Vincini, **WINK: a Web-based Enterprise System for Collaborative Project Management in Virtual Enterprises,** 4th International Conference on Web Information Systems Engineering, Roma, Italy, 10-12 December 2003

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