

FRANCESCO TAGLINO

Date of birth: 04/07/1972

Address: Via Pyre 26, 04100 Latina – Italy

Nationality at birth and present: Italian

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EDUCATION

University “La Sapienza”

Rome, Italy - May 1999

Graduated in Information Science

Degree score: 106/110

Title of the thesis degree: “Progetto e Sviluppo di un Sistema per la Gestione di Basi di Dati Complesse” (Design and Development of a System for the Management of Complex Databases). The thesis degree was developed at the Istituto di Analisi dei Sistemi ed Informatica (IASI) of the Consiglio Nazionale delle Ricerche (CNR).

LANGUAGES

Italian (mother tongue), **English** (good)

WORK EXPERIENCES

2009-present: Technologist as a permanent employee at CNR-IASI.

2007-2009: Researcher as a temporary employee at CNR-IASI.

1999-2007: Temporary employee at CNR-IASI, as research collaborator.

2000: Teacher of Access 2000 in a course supported by the “Regione Lazio” for the small and medium enterprises of the city of Latina (Latina, 2000-2001).

1999: Assistant teacher in a SAP course within the INRETE2000 project. The project aimed at the introduction of the SAP system in the FS, the Italian railways company.

1997: Cooperation with the “Università del Mediterraneo”, for the management (design and maintenance) of the database of the magazine “Rive”.

MAIN AREAS OF ACTIVITY

Knowledge Representation and Management
Enterprise Data and Knowledge Interoperability
Semantic Web
Ontology Engineering
Similarity Reasoning
Computational Creativity.

COMPETENCIES

Methods and tools for domain ontology building
Semantic Interoperability among heterogeneous software systems
Semantic Annotation
Search Methods through Semantic Similarity
Distributed Architectures
Web Services
XML-based Applications
Analysis, Design and Development of Object-Oriented Applications

RESPONSIBILITIES IN INTERNATIONAL AND NATIONAL PROJECTS

2011-2014: Responsible of the CNR unit, in the BIVEE EU project.

2011-2014: Responsible of the Work Package “BIVEE Semantic Meta-Space”, in the BIVEE EU project.

2012-2013: Responsible of the CNR unit in the SENTINEL project (POR FESR Lazio 2007-2013).

2008-2011: Responsible of the Work Package “Knowledge Interoperability services”, in the COIN FP7 EU.

INTERNATIONAL PROJECTS FP7 EU projects

BIVEE (Business Innovation and Virtual Enterprise Environment, 2011-2014, FP7): to develop a rich framework and platform to promote

innovation in virtual enterprise environments. The role of the CNR-IASI is the design and develop a semantics-based infrastructure for supporting: (i) collaborative open innovation through knowledge building, management and sharing; (ii) enterprise systems interoperability within a Virtual Enterprise.

ENSEMBLE (Envisioning, Supporting and Promoting Future Internet Enterprise Systems Research through Scientific Collaboration, 2011-2013, FP7): combine systemic approaches, scientific multi-disciplinarity, innovative Web 2.0 collaboration tools with a community-driven mentality, to significantly increase the impact of the future internet enterprise systems domain. The role of the CNR-IASI was to co-ordinate the development of the FInES (Future Internet Enterprise Systems) research roadmap.

COIN (Collaboration and Interoperability for Networked Enterprises, 2008-2011, EU-FP7-IP): to integrate, compose and mash-up in a secure and adaptive way existing and innovative to-be developed Enterprise Interoperability and Enterprise Collaboration services. The role of the CNR-IASI was the design and development of tools and services for supporting data and knowledge interoperability in business eco-systems.

FP6 and FP5 EU projects

ATHENA (Advanced Technologies for interoperability of Heterogeneous Enterprise Networks and their Applications, 2004-2007, EU-FP6-IP): to remove barriers to interoperability, to transfer and apply the research results in industrial sectors, and to foster a new- networked business culture.

INTEROP (Interoperability Research for Networked Enterprises Applications and Software) Network of Excellence on enterprise software applications interoperability.

LD-CAST (Local Development Cooperation Actions enabled by Semantic Technology, 2006-2008, EU-FP6): to enable cross border cooperation among European chambers of commerce, in order to support the development of private company initiatives.

HARMONISE (2001-2003, EU-FP5) and **FETISH** (Federated European Tourism Information System Harmonization, 2000-2002, EU-FP5) both were focused on the development of ontology-based platforms for supporting SMEs interoperability in the tourism sector.

NATIONAL PROJECTS

SENTINEL (Semantic ENTerprIse NEtcentric Layer, 2011-2013, POR FESR Lazio 2007-2013): to develop a semantics-based platform for supporting software reuse in an enterprise context.

SOGEI-CNR. Bilateral research collaboration between CNR (4 involved Institutes) and SOGEI, the Italian Information Technology company owned by the Ministry of the Economy and Finance. The goal of the action was to investigate and experiment the application of semantic technologies to the SOGEI Information Systems to enhance master data and business process management.

SINERGIA (funded by the Ministero dello Sviluppo Economico - 2006-2009): to develop an ICT knowledge management infrastructure to support networked enterprises.

OntoMan (funded by the Ministero dell'Istruzione, dell'Universita e della Ricerca - 2007-2008): to develop a semantics-based platform for documents exchange and data interoperability among heterogeneous software applications in the context of industrial maintenance plants.

OntoDev (funded by the Ministero dell'Istruzione, dell'Universita e della Ricerca - 2006-2007): to realize an ontology-based knowledge management platform for supporting territorial development projects.

MEMBERSHIP IN

1. 23rd International Conference on Cooperative Information Systems (CoopIS

**PROGRAMME
COMMITTEES**

- 2015). 28-30 October 2015, Rhodes, Greece
- 22rd International Conference on Cooperative Information Systems (CoopIS 2014), Amantea, Italy, October 27-31, 2014.
 - 3rd International Workshop on New Generation Enterprise and Business Innovation Systems (NGEBIS 2014), co-located with the CAiSE 2014, Tessaloniki, 7th of June 2014.
 - International Workshop on Semantic Computing for Social Networks: from user information to social knowledge (SCSN 2013), in conjunction with the 7th IEEE International Conference on Semantic Computing (ICSC2013). Irvine, California, USA, September 19, 2013.
 - 2nd International Workshop on New Generation Enterprise and Business Innovation Systems (NGEBIS 2013), co-located with the CAiSE 2013, Valencia, 18 June 2013.
 - 1st International Workshop on New Generation Enterprise and Business Innovation Systems (NGEBIS 2012) , co-located with the CAiSE 2012. Gdańsk, Poland, 26 June 2012.
 - Annual InteropVLab.it Workshop (from 2008 to 2012).
 - 3rd International Conference on Interoperability for Enterprise Software and Applications 2007 (IESA-07).

PUBLICATIONS

Journals

2015

1. Michele Missikoff, Fabrizio Smith, Francesco Taglino: *Ontology building and maintenance in collaborative virtual environments*. Concurrency and Computation: Practice and Experience 27(11): 2796-2817 (2015).

2013

2. Anna Formica, Michele Missikoff, Elaheh Pourabbas, Francesco Taglino: *Semantic search for matching user requests with profiled enterprises*. Computers in Industry 64(3): 191-202 (2013)
3. Claudia Diamantini, Domenico Potena, Maurizio Proietti, Fabrizio Smith, Emanuele Storti, Francesco Taglino: A Semantic Framework for Knowledge Management in Virtual Innovation Factories. IJISMD 4(4): 70-92 (2013).

2010

4. Marko Vujasinovic, Nenad Ivezic, Boonserm Kulvatunyou, Edward Barkmeyer, Michele Missikoff, Francesco Taglino, Zoran Marjanovic, Igor Miletic: *Semantic Mediation for Standard-Based B2B Interoperability*. IEEE Internet Computing 14(1): 52-63 (2010).

2008

5. Marko Vujasinovic, Nenad Ivezic, Boonserm Kulvatunyou, Edward Barkmeyer, Michele Missikoff, Francesco Taglino, Zoran Marjanovic, Igor Miletic: *A semantic-mediation architecture for interoperable supply-chain applications*. International Journal on Computer Integrated Manufacturing 22(6): 549-561 (2008).

Contribution to

Books

2015

6. Francesco Taglino, Fabrizio Smith: *The Production and Innovation Knowledge Repository*. In "Enterprise Innovation: From Creativity to Engineering", M. Missikoff, M. Canducci, N. Maiden (editor), Wiley-ISTE, ISBN: 978-1-84821-851-2, 2015: 161-188.

2013

7. Paolo Spagnoletti, Andrea Resca, Valentina Russo, Francesco Taglino, Laura Tarantino: *Building theories from IT project design: The HOPES case*. Information Systems: Crossroads for Organization, Management, Accounting and Engineering: ItAIS: The Italian Association for Information Systems. pp. 451-459

2011

8. Enrico Del Grosso, Gorka Benguria, Francisco Javier Nieto De-Santos, Francesco Taglino, Brian Elvesæter: *COIN Enterprise Interoperability Baseline Services*. In "The COIN Book: Enterprise Collaboration and Interoperability", Verlag-Mainz, 2011: 66-71.
9. Enrico Del Grosso, Fabrizio Smith, Hannes Suttner, Francesco Taglino: *Innovative EI Services*. In "The COIN Book: Enterprise Collaboration and Interoperability", Verlag-Mainz, 2011: 72-77.

2010

10. Michele Missikoff, Fabrizio Smith, Francesco Taglino: *Semantic Services for Business Documents Reconciliation*. In "Interoperability in Digital Public Services and Administration: Bridging E-Government and E-Business", Y. Charalabidis (editor), 2010: 279-299.

2004

11. Michele Missikoff, Francesco Taglino: An Ontology-based Platform for Semantic

Interoperability. In "Handbook on Ontologies", S.Staab and R.Studer (editors), Springer Verlag, 2004: 617-634.

Conferences and Workshops

- 2015** 12. Fabrizio Smith, Francesco Taglino, Oscar Eijssermans: *Semantics-based Expansion of Search Queries Enforcing Lateral Thinking*. 3rd International Conference on Building and Exploring Web Based Environments (WEB2015): 37-42.
- 2014** 13. Fabrizio Smith, Emanuele Storti, Francesco Taglino: *Towards Semantic Collective Awareness Platforms for Business Innovation*. CAiSE Workshops 2014: 226-237.
14. Fabrizio Smith, Francesco Taglino: *Semantics-based social media for collaborative open innovation*. CTS 2014: 345-352
15. Francesco Taglino, Fabrizio Smith: *Triggering creativity through semantic cross-domain web crawling and routing*. CTS 2014: 637-638
- 2013** 16. Anna Formica, Michele Missikoff, Elaheh Pourabbas, Francesco Taglino: *A Linked Data Based Approach to Similarity Reasoning*. NGEbis Workshop at CAiSE 2013 (Short paper): 31-38.
17. Rahmi Volkan Basar, Ali Anil Sinaci, Fabrizio Smith, Francesco Taglino: *Semantic UBL-like documents for innovation*. NGEbis Workshop at the CAiSE 2013 (Short paper): 39-44.
18. Anna Formica, Michele Missikoff, Elaheh Pourabbas, Francesco Taglino: *Supporting Customer Choice with Semantic Similarity Search and Explanation*. CAiSE Workshops 2013: 317-328.
19. Pierluigi Assogna, Francesco Taglino: *Cross-Domain Crawling for Innovation*. CAiSE Workshops 2013: 286-297.
20. Valeria Ludovici, Fabrizio Smith, Francesco Taglino: *Collaborative ontology building in virtual innovation factories*. CTS 2013: 443-450.
21. Diamantini C., Missikoff M., Potena D., Smith F., Storti E., Francesco Taglino: *Knowledge-Based Business Innovation Support*. 21st Italian Symposium on Advanced Database Systems (SEBD 2013).
- 2012** 22. Francesco Taglino, Fabrizio Smith, Maurizio Proietti: *Knowledge-Based Support to Business Innovation*. NGEbis Workshop at CAiSE 2012: 37-44.
23. Elaheh Pourabbas, Francesco Taglino: *A Semantic Platform for Enterprise Knowledge Interoperability*. I-ESA 2012: 119-128.
24. Giovanni Pilato, Agnese Augello, Michele Missikoff, Francesco Taglino: *Integration of Ontologies and Bayesian Networks for Maritime Situation Awareness*. ICSC 2012: 170-177.
25. Francesco Taglino, Fabrizio Smith, Maurizio Proietti: *A Software Platform for Semantics-based Enterprise Knowledge Management*. INVIT 2012, Interop-Vlab.It Workshop 2012.
- 2011** 26. Daniela Angelucci, Michele Missikoff, Francesco Taglino: *Future Internet Enterprise Systems: A Flexible Architectural Approach for Innovation*. Future Internet Assembly 2011: 407-418.
- 2010** 27. Tania Di Mascio, Alessia Barbagallo, Daniela Angelucci, Francesco Taglino, Michele Missikoff: *A social platform for enterprise ontology building*. Open Knowledge Models Workshop (OKM 2010) at the EKAW 2010.
28. Daniela Angelucci, Alessia Barbagallo, Tania Di Mascio, Francesco Taglino: *The Social Ontology Building and Evolution (SOBE) Platform*. KEOD 2010: 416-419.
29. Anna Formica, Michele Missikoff, Elaheh Pourabbas, Francesco Taglino: *Semantic Search for Enterprises Competencies Management*. KEOD 2010: 183-192.
- 2009** 30. Ömer Karacan, Enrico Del Grosso, Cyril Carrez, Francesco Taglino: *Towards Cross-Organizational Innovative Business Process Interoperability Services*. IWEI 2009: 1-12.
31. Anna Formica, Michele Missikoff, Elaheh Pourabbas, Francesco Taglino: *Adding Concept Weights to Ontologies for Semantic Search*. SEBD 2009: 73-80.
32. Daniela Angelucci; Alessia Barbagallo; Tania Di Mascio, Michele Missikoff, Francesco Taglino: *A platform for Social Ontology Building and Evolution (SOBE)*. 2nd Interop Vlab.It Workshop 2009.
33. Alessandro Banzato, Alessandro D'Atri, Edoardo D'Atri, Antonio De Nicola, Tania Di Mascio, M. Imbriglio, Michele Missikoff, Francesco Taglino, Laura Tarantino, Stefano Za: *EagleVox: piattaforma semantica per la partecipazione*

- sociale alla ricostruzione dell'Aquila*. 2nd Interop Vlab.It Workshop 2009.
34. Enrico Del Grosso, Michele Missikoff, Fabrizio Smith, Francesco Taglino: *Semantic Services for Business Documents Reconciliation*. ISDSI Workshop at the SEBD 2009: 1-8.
35. Michele Missikoff, Fabrizio Smith, Francesco Taglino: *Towards Automatic Support to Mapping discovery in eBusiness resources Exchange*. ISDSI Workshop at the SEBD 2009: 53-60.
- 2008**
36. Antonio De Nicola, Tania Di Mascio, Mario Lezoche, Francesco Taglino: *Semantic Lifting of Business Process Models*. EDOCW 2008: 120-126.
37. Brian Elvesæter, Francesco Taglino, Enrico Del Grosso, Gorka Benguria Elguezabal, Alberto Capellini: *Towards enterprise interoperability service utilities*. EDOCW 2008: 224-229
38. Anna Formica, Missikoff M., Elaheh Pourabbas, Francesco Taglino: *Weighted Ontology for Semantic Search*, Lecture Notes in Computer Science, 5332, Springer Berlin / Heidelberg, 1289-1303, 2008.
39. Anna Formica, Michele Missikoff, Elaheh Pourabbas, Francesco Taglino: *An Ontology-based Similarity Method for Semantic Search*. IST-Africa Conference & Exhibition 2008.
40. Michele Missikoff, Francesco Taglino: *Semantic Technologies for European Chambers of Commerce Cooperation*. eChallenges 2008.
- 2007**
41. Fulvio D'Antonio, Michele Missikoff, Francesco Taglino: *Formalizing the OPAL eBusiness ontology design patterns with OWL*. IESA 2007: 345-356
42. Antonio De Nicola, Michele Missikoff, Francesco Taglino: *A Semantic Cooperation Platform for the Interoperability of European Chambers of Commerce*. eChallenges2007.
- 2006**
43. K. Arnarsdóttir, Arne-Jørgen Berre, Axel Hahn, Michele Missikoff, Francesco Taglino: *Semantic mapping: ontology-based vs. model-based approach alternative or complementary approaches?* EMOI-INTEROP 2006.
44. Alessandra Bagnato, Eva Coscia, Michele Missikoff, Lorenzo Pondrelli, Francesco Taglino: *Semantic Reconciliation of Business Documents in a SOA Framework*. eChallenges 2006: 189-196.
- 2005**
45. Missikoff M., Francesco Taglino: *Semantic mismatches hampering data exchange between heterogeneous web services W3C*. Workshop on Frameworks for Semantics in Web Services, June 9-10, Digital Enterprise Research Institute (DERI), Innsbruck, Austria, 2005.
- 2003**
46. Michele Missikoff, Francesco Taglino: *The Architecture of Harmonise: an Ontology-based Platform for Semantic Interoperability*. SEBD 2003: 335-346
47. Michele Missikoff, Francesco Taglino: *SymOntoX: A Web-Ontology Tool for eBusiness Domains*. WISE 2003: 343-346
48. Michele Missikoff; Federica Schiappelli, Francesco Taglino: *A Controlled Language for Semantic Annotation and Interoperability in e-Business Applications*. Semantic Integration Workshop at the 2nd International Semantic Web Conference (ISWC2003): 80-86.
49. Mirella Dell'Erba, Oliver Fodor, Anna Formica, Wolfram Höpken, Michele Missikoff, Francesco Taglino, Hannes Werthner: *Harmonise - Towards Interoperability in the Tourism Domain*. ENTER 2003: 58-66.
- 2002**
50. Michele Missikoff, Francesco Taglino: *Business and Enterprise Ontology Management with SymOntoX*. SEBD 2002: 50-56
51. Michele Missikoff, Francesco Taglino: *Business and Enterprise Ontology Management with SymOntoX*. International Semantic Web Conference 2002 (ISWC2002): 442-447.
- 2001**
52. Michele Missikoff, Francesco Taglino: *SymOntos a Symbolic Ontology Management System*. 7th Congresso Associazione italiana per l'intelligenza artificiale.