

BIANCHINI DEVIS
Curriculum Vitae

Associate Professor
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ACADEMIC CAREER

Devis Bianchini has been Associate Professor since 2015 at the Department of Information Engineering of the University of Brescia. Since 2005 he has been Assistant Professor at the same department. From 2002 to 2005 he carried out research and teaching activities as a PhD student in the field of database and Information System technologies. He received a Master Degree in Electronics Engineering in 2002 and a PhD in Information Engineering in 2005 at the University of Brescia.

MAIN RESEARCH INTERESTS

His research interests include models and tools for Web Information System (WIS) design; service-oriented architectures; models, languages and tools for the semantic description of Web services; flexible, semantic-driven service matchmaking techniques, to enable (semi-)automatic service discovery and composition; methods and techniques for Big&Open Data collection, management and exploration. On these topics, he published more than one hundred papers in reviewed journals and conferences and participated to several national and international research projects, partially coordinating some of them.

EXPERIENCES IN LEADING PROJECTS AND RESEARCH GROUPS

Coordination of research projects

- 2017-2020* Project “*Smart4CPPs: Smart Solutions for Cyber Physical Production Systems*” Lombardy Region POR FESR 2014-2020; scientific coordinator for the University of Brescia research unit
- 2016-2018* Project “*ODE: Open Data Exploration*” Open Innovation Lombardy Region; principal investigator
- 2014-2018* Italian MIUR Project “*Smart Manufacturing 2020*” National Cluster on Smart Factory; scientific coordinator for the University of Brescia research unit
- 2014-2018* Italian MIUR project “*BSL Brescia Smart Living*” Smart Cities and Communications and Social Innovation; scientific coordinator for research activity AR2.3 (Requirements of the platform for monitoring

and analysis of citizens' consumptions at district and apartment levels), AR2.10 (Platform preliminary experimentation), AR6.5 (Prototype development of an operation center for event monitoring for citizens' safety)

Participation to national and international projects

- 2016 - 2018 Project *"Smart Services"* University of Brescia Strategic Program Health&Wealth, in collaboration with FBK (Bruno Kessler Foundation, Trento, Italy)
- 2014 - 2015 Project *"SMART BREAK - Smart Bialetti REstoration Adaptive Kit"* Lombardy Region Smart Cities and Communities; coordination: Bialetti SpA
- 2014 - 2015 Project *"SCUOLA - Smart Campus as Urban Open LABs"* Lombardy Region Smart Cities and Communities; coordination: A2A SpA
- 2012 - 2014 Italian MIUR Project *"I-GUN - Sistema di Controllo per la Sicurezza del Territorio"* Industry 2015 – New technologies for Made in Italy; coordination: Beretta Industries
- 2006 - 2011 Italian MIUR FIRB project *"TEKNE - Towards Evolving Knowledge-based interNetworked Enterprise"*; coordination: ISUFI (Istituto Superiore Universitario di Formazione Interdisciplinare, Lecce, Italy)
- 2006 - 2007 Italian MIUR PRIN project *"ESTEEM - Emergent Semantics and cooperation in multi-knowledge Environments"*; coordination: University of Roma La Sapienza
- 2003 - 2007 European Project *"INTEROPerability of enterprise applications and software"* Network of Excellence (IST-2003-508011); coordination: Università di Bordeaux 1
- 2003 - 2006 Italian MIUR FIRB project *"MAIS - Multichannel Adaptive Information Systems"*; coordination: Politecnico of Milan
- 2003 - 2004 Italian MIUR PRIN project *"VISPO – Virtual district Internet-based Service PlatfOrm"*; coordination: ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development)

Scientific coordination of research fellowships

- 2016 – 2018 *"Methods and techniques for Big & Open Data Exploration"* (Project Emblematici Maggiori Cariplo Lombardy Region)
- May - Oct 2017 *"Web applications for dissemination and exploration of research data on environmental and occupational neurotoxicity of metals"* (research scholarship funded by the National Institute of Health – United States)
- 2017 – 2018 *"Design and implementation of a Web application for dissemination and sharing of epidemiological data on environmental and*

occupational neurotoxicity of metals” (research scholarship funded by the National Institute of Health – United States)

2015 – 2016 *“Design and implementation of a data-driven application for customized and multi-channel access to services of an integrated platform for Smart City citizens”* (Italian project Brescia Smart Living)

Organization of international conferences and workshops

- **Tutorial co-chair** 31st International Conference on Advanced Information Systems Engineering (CAISE 2019)
- **Program co-chair** Seventh International Workshop on Linked Web Data Management (LWDM 2017), 20th International Conference on Extending Database Technology (EDBT2017), Venice, Italy, March 2017
- **Program co-chair** Sixth International Workshop on Linked Web Data Management (LWDM 2016), 19th International Conference on Extending Database Technology (EDBT2016), Bordeaux, France, March 2016
- **Program co-chair** Fifth International Workshop on Linked Web Data Management (LWDM 2015), 18th International Conference on Extending Database Technology (EDBT2015), Brussels, Belgium, March 2015
- **Program co-chair** Fourth International Workshop on Linked Web Data Management (LWDM 2014), 17th International Conference on Extending Database Technology (EDBT2014), Athens, Greece, March 2014
- **Program co-chair** Second International Workshop on Data Management in the Social Semantic Web (DMSSW2013), 13th International Conference on Web Engineering (ICWE2013), Aalborg, Denmark, July 2013
- **Program co-chair** Third International Workshop on Linked Web Data Management (LWDM 2013), 16th International Conference on Extending Database Technology (EDBT2013), Genova, Italy, March 2013
- **Publicity chair** 31th International Conference on Conceptual Modeling (ER2012), Florence, Italy, October 2012
- **Program co-chair** Second International Workshop on Linked Web Data Management (LWDM 2012), 15th International Conference on Extending Database Technology (EDBT2012), Berlin, Germany, March 2012
- **Program co-chair** First International Workshop on Linked Web Data Management (LWDM 2011), 14th International Conference on Extending Database Technology (EDBT2011), Uppsala, Sweden, March 2011

Membership in editorial boards

He has been Guest Editor Special Issue on “Big Data and Linked Open Data”, LNCS Transaction on Large Scale Data and Knowledge Centered Systems (ISSN:0302-9743), January 2015

Member of the Editorial Board of International journal "Services"
(<http://www.mdpi.com/journal/Services/editors>)

Program committee membership and reviewer activity

Since 2002, he has been Program Committee member in several international conferences, and referee for several international journals. Among them: the International Conference on Information and Knowledge Management (CIKM); International Conference on Information Integration and Web-based Applications and Services (iiWAS); Italian Symposium on Advanced Database Systems (SEBD); International Conference on Web Engineering (ICWE); International Conference on Future Networks and Communications (FNC); International Conference on Information Technology (ICIT); International Conference on Ontologies, Databases and Applications of Semantics (ODBASE); International Conference on Advanced Information Systems Engineering (CAISE); International Conference on Mobile Web Information Systems (MobiWIS); International Journal of Knowledge and Information Systems; International Journal of Cooperative Information Systems; Elsevier Data & Knowledge Engineering; ACM Transactions on the Web; Journal of Network and Computer Applications; Journal of Web Engineering; Journal of Intelligent Information Systems; IEEE Transactions on Parallel and Distributed Systems; Journal of Systems and Software; IEEE Internet Computing; IEEE Transactions on Knowledge and Data Engineering; IEEE Transactions on Systems, Man and Cybernetics Part A: Systems and Humans; Information Systems; Information Sciences International Journal; IEEE Transactions on Multimedia; IEEE Transactions on Service Computing.

He has been reviewer for projects funded by the Austrian Science Fund FWF (2018).

RECENT AWARDS

- *Best Paper Award* (with Valeria De Antonellis, Michele Melchiori, Paolo Bellagente, Stefano Rinaldi) "*Data Management Challenges for Smart Living*", 2nd International Conference ICT Infrastructures and Services for Smart Cities (IISSC 2017)
- *Best Paper Award* (with Valeria De Antonellis e Michele Melchiori) "*A Multi-perspective Framework for Web API Search in Enterprise Mashup Design*", 25th International Conference on Advanced Information Systems Engineering (CAISE 2013)
- *Best Paper Award* (with Fabrizio Smith) "*Semi-Automatic Process Composition via Semantics-Enabled Sub-Process Selection and Ranking*", 6th International Conference on Interoperability of Enterprise Software and Applications (I-ESA 2012)

INVITED TALKS

- "*Big Data and Industry 4.0: the role of data exploration*", **invited tutorial**, 2018 IEEE International Workshop on Metrology for Industry 4.0 and IoT (April 2018)

- “*From IoT to Big Data in the Smart Factory*”, **invited talk**, Tridium National User Conference (Verona, Italy, September 2016)
- “*Towards a Multi-perspective Model for Web API Search and Aggregation*”, **research seminar talk**, University of Alicante, Department of Software and Computing Systems (June 2013)
- “*Data Management and the Web of Data: interleaving two worlds*”, Summer School of the 2011 IEEE / WIC / ACM International Conferences on Web Intelligence and Intelligent Agent Technology, Lyon, France, August 2011
- “*Hybrid techniques for Semantic Web Service matchmaking*”, **research seminar talk**, Università Politecnica delle Marche, Department of Information Engineering (November 2010)
- “*Flexible Semantic-based Service Matchmaking and Discovery*”, **research seminar talk**, Second University of Naples (October 2010)

OTHER ACADEMIC ACTIVITIES

Since 2016 he has been co-responsible for the Big&Open Data Innovation Lab at University of Brescia.

Since 2016 he has been co-coordinator for Lombardy Region of Vanguard Initiative Digital & Virtual Democase in the Efficient and Sustainable Manufacturing Pilot Plant.

Since 2016 he is University of Brescia Representative for CINI (National Interuniversity Consortium for Informatics) Labs: Big Data; Smart Cities & Communities.

PUBLICATIONS

Journal papers

1. ***Wiser: A multi-dimensional framework for searching and ranking Web APIs***
Bianchini D., De Antonellis V., Melchiori M., ACM TRANSACTIONS ON THE WEB, 11(3), pp. 19:1-19:33, ISSN: 1559-1131, 2017.
2. ***PREFer: a Prescription-based Food recommender system***
Bianchini D., De Antonellis V., Melchiori M., JOURNAL OF COMPUTER STANDARDS & INTERFACES, 54, pp. 64-75, ISSN: 0920-5489, 2017.
3. ***Social networks and health status in the elderly: the ‘ANZIANI IN-RETE’ population-based study***
Bianchetti L., Squazzoni F., Casnici N., *Bianchini D.*, Garrafa E., Archetti C., Romano V., Rozzini L., Melchiori M., Fiorentini C., Uberti D., Calza S., Marengoni A., AGING CLINICAL AND EXPERIMENTAL RESEARCH, ISSN: 1594-0667, pp 1-7, 2017.
4. ***The Role of Developers' Social Relationships in Improving Service Selection***
Bianchini D., De Antonellis V., Melchiori M., JOURNAL OF WEB INFORMATION

- SYSTEMS, Vol.12(4), ISSN: 1744-0084, 2016.
5. ***Characterization and search of web services through intensional knowledge***
Bianchini D., Garza P., Quintarelli E., JOURNAL OF INTELLIGENT INFORMATION SYSTEMS, 47(3), pp. 375-401, ISSN: 0925-9902, 2016.
 6. ***SeeVa: A Model based framework for Semantic Web Service Discovery***
De Virgilio, Bianchini D., LNCS TRANSACTIONS ON LARGE-SCALE DATA- AND KNOWLEDGE-CENTERED SYSTEMS, 51-82, ISSN: 1869-1994, 2014.
 7. ***Service identification in inter-organizational process design***
Bianchini D., Cappiello C., De Antonellis V., Pernici B., IEEE TRANSACTIONS ON SERVICES COMPUTING, 7(2): 265-278, ISSN: 1939-1374, 2014.
 8. ***RUBIK: Proactive, Entity-centric and Personalized Situational Web Application Design***
Bianchini D., Castano S., De Antonellis V., Ferrara A., Quintarelli E., Tanca L., LNCS TRANSACTIONS ON LARGE-SCALE DATA- AND KNOWLEDGE-CENTERED SYSTEMS, 13: 123-157, ISSN: 1869-1994, 2014.
 9. ***Selection, Ranking and Composition of Semantically Enriched Business Processes***
Smith F., Bianchini D., COMPUTERS IN INDUSTRY 65(9): 1253-1263, ISSN: 0166-3615, 2014.
 10. ***The ESTEEM platform: enabling P2P semantic collaboration through emerging collective knowledge***
Montanelli S., Bianchini D., Aiello C., Baldoni R., Bolchini C., Bonomi S., Castano S., Catarci T., De Antonellis V., Ferrara A., Melchiori M., Quintarelli E., Scannapieco M., Schreiber F.A., Tanca L., JOURNAL OF INTELLIGENT INFORMATION SYSTEMS, 167-195, ISSN: 0925-9902, 2011.
 11. ***Service-Based Semantic Collaboration in Networked Systems: A Conceptual Perspective***
Bianchini D., De Antonellis V., Melchiori M., LECTURE NOTES IN COMPUTER SCIENCE, 161-179, ISSN: 0302-9743, 2011.
 12. ***Emergent Semantics and Cooperation in Multi-knowledge Communities: the ESTEEM Approach***
Bianchini D., Montanelli S., Aiello C., Baldoni R., Bolchini C., Bonomi S., Castano S., Catarci T., De Antonellis V., Ferrara A., Melchiori M., Quintarelli E., Scannapieco M., Schreiber F.A., Tanca L., WORLD WIDE WEB, 3-31, ISSN: 1386-145X, 2010.
 13. ***P2P-SDSD: on-the-fly service-based collaboration in distributed systems***
Bianchini D., De Antonellis V., Melchiori M., INTERNATIONAL JOURNAL OF METADATA, SEMANTICS AND ONTOLOGIES, 222-237, ISSN: 1744-2621, 2010.
 14. ***Flexible Semantic-based Service Matchmaking and Discovery***
Bianchini D., De Antonellis V., Melchiori M., WORLD WIDE WEB, 227-251, ISSN: 1386-145X, 2008.
 15. ***Ontology based Methodology for e-Service Discovery***
Bianchini D., De Antonellis V., Pernici B., Plebani P., INFORMATION SYSTEMS, 361-380, ISSN: 0306-4379, 2006.

16. Context-aware composition of E-services

Baresi L., *Bianchini D.*, De Antonellis V., Fugini M.G., Pernici B., Plebani P.,
LECTURE NOTES IN COMPUTER SCIENCE, 28-41, ISSN: 0302-9743, 2003.

Book chapters

17. Service Discovery and Recommendation for Multi-datasource Access:

Exploiting Semantic and Social Technologies

Bianchini D., De Antonellis V., Melchiori M., In: A Comprehensive Guide Through
the Italian Database Research Over the Last 25 Years (Sergio Flesca, Sergio
Greco, Elio Masciari, Domenico Saccà Eds.), pp. 375-390, Springer, ISBN:
9783319618920, 2018.

**18. A Unified Conceptual Framework for Managing Services in the Web Oriented
Architecture**

Bianchini D., De Antonellis V., Melchiori M., In: Conceptual Modeling
Perspectives (Jordi Cabot, Cristina Gomez, Oscar Pastor, Maria Ribera Sancho,
Ernest Teniente Eds.), Springer, ISBN: 3319672703, 2017.

19. Modeling Collaboration in Mashup Design

Bianchini D., De Antonellis V., Melchiori M., In: Organizational Change and
Information Systems (Paolo Spagnoletti Eds.), pp. 461-469, Springer-Verlag
Berling Heidelberg, ISBN: 9783642372278, 2013.

20. Semantics-enriched Web APIs selection for Enterprise mashup development

Bianchini D., De Antonellis V., Melchiori M., In: Information Systems: Crossroads
for Organization, Management, Accounting and Engineering (Marco De Marco,
Dov Te'eni, Valentina Albano, Stefano Za), pp. 95-103, (Eds.) Springer-Verlag
Berlin Heidelberg, ISBN: 9783790827880, 2012.

21. Linked Data Services and Semantics-enabled Mashup

Bianchini D., De Antonellis V., In: Semantic Search on the Web (Roberto De
Virgilio, Francesco Guerra, Yannis Velegarakis), pp. 281-305, (Eds.) Springer-
Verlag Berlin Heidelberg, ISBN: 9783642250088, 2012.

22. A Semantic Framework for Collaborative Enterprise Knowledge Mashup

Bianchini D., De Antonellis V., Melchiori M., In: Information Technology and
Innovation Trends in Organizations (Alessandro D'Atri, Maria Ferrara, Joey F.
George, Paolo Spagnoletti (eds)), pp. 117-124, (Eds.) Springer-Verlag Berlin
Heidelberg, ISBN: 9783790826319, 2011.

**23. Semantics-enriched data mining techniques for intensional service
representation**

Bianchini D., Garza P., Quintarelli E., In: Management of the Interconnected
World (ALESSANDRO D'ATRI, MARCO DE MARCO, ALESSIO MARIA BRACCINI,
FRANCESCA CABIDDU), pp. 175-182, (Eds.) Springer-Verlag Berlin Heidelberg,
ISBN: 9783790824032, 2010.

24. A technological infrastructure to sustain Internetnetworked Enterprises

La Mattina E., Savarino V., Vicari C., Storelli D., *Bianchini D.*, In: Evolving
Towards the Internetnetworked Enterprise - Technological and Organizational
Perspectives (Giuseppina Passiante), pp. 97-117, (Eds.) Springer-Verlag Berlin
Heidelberg, ISBN: 9781441972781, 2010.

- 25. *Model-based service-oriented architectures for Internetworked Enterprises***
Bianchini D., Brambilla M., Campi A., Cappiello C., Ceri S., Comuzzi M., De Antonellis V., Pernici B., Plebani P., In: *Evolving Towards the Internetworked Enterprise - Technological and Organizational Perspectives* (Giuseppina Passiante), pp. 61-96, (Eds.) Springer-Verlag Berlin Heidelberg, ISBN: 9781441972781, 2010.
- 26. *A Methodological Approach to Enable Cooperative Business Process Design through Web Services***
Bianchini D., Cappiello C., De Antonellis V., Pernici B., In: *Information Systems: People, Organizations, Institutions and Technologies* (Alessandro d'Atri, Domenico Saccà), pp. 211-218, (Eds.) Springer-Verlag Berlin Heidelberg, ISBN: 9783790821482, 2010.
- 27. *Service-based Networked Collaboration***
Bianchini D., De Antonellis V., Melchiori M., In: *Information Systems: People, Organizations, Institutions and Technologies* (Alessandro d'Atri, Domenico Saccà), pp. 195-202, (Eds.) Springer-Verlag Berlin Heidelberg, ISBN: 9783790821482, 2010.
- 28. *Service Knowledge Spaces for Semantic Collaboration in Web-based Systems***
Bianchini D., De Antonellis V., Melchiori M., In: *Semantic Web Information Management* (Roberto de Virgilio, Fausto Giunchiglia, Letizia Tanca), pp. 425-448, (Eds.) Springer-Verlag Berlin Heidelberg, ISBN: 9783642043284, 2010.
- 29. *Semantic Search of Distributed Information and Knowledge***
Bianchini D., De Antonellis V., Melchiori M., In: *Management of the Interconnected World* (Alessandro D'Atri, Marco De Marco, Alessio Maria Braccini, Francesca Cabiddu), pp. 183-191, (Eds.) Springer-Verlag Berlin Heidelberg, ISBN: 9783790824032, 2010.
- 30. *Service Semantic Infrastructure for Information System Interoperability***
Bianchini D., De Antonellis V., In: *Interdisciplinary Aspects of Information Systems Studies* (Alessandro d'Atri, Marco De Marco, Nunzio Casalino), pp. 179-187, (Eds.) Springer-Verlag Berlin Heidelberg, ISBN: 9783790820096, 2008.
- 31. *E-Services***
Ardagna D., Avenali A., Baresi L., Berardi D., *Bianchini D.*, Cappiello C., Comuzzi M., De Antonellis V., De Rosa F., Desideri D., Francalanci C., Leporelli C., Matteucci G., Maurino A., Mecella M., Melchiori M., Modafferi S., Mussi E., Pernici B., Plebani P., Presenza D., In: *Mobile information systems : infrastructure and design for adaptivity and flexibility* (B. Pernici), pp. 47-80, (Eds.) Springer-Verlag Berlin Heidelberg, ISBN: 9783540310068, 2006.
- 32. *Reference Architecture and Framework***
Adorni M., Arcelli F., Bandini S., Baresi L., Batini C., Bianchi A., *Bianchini D.*, Brioschi M., Caforio A., Calì A., Cappellari P., Cappiello C., Catarci T., Corallo A., De Antonellis V., Franza C., Giunta G., Limonta A., Lorenzo G., Losi P., Maurino A., Melideo M., Micucci D., Modafferi S., Mussi E., Negri L., Pandolfo C., Pernici B., Plebani P., Ragazzi D., Raibulet C., Riva M., Simeoni N., Simone C., Solazzo G., Tisato F., Torlone R., Vizzarri G., Zilli A., In: *Mobile information systems : infrastructure and design for adaptivity and flexibility* (B. Pernici (ed.)), pp. 25-

46, (Eds.) Springer-Verlag Berlin Heidelberg, ISBN: 9783540310068, 2006.

Conference and workshop papers

2017

- 33. *Big Data Summarisation and Relevance Evaluation for Anomaly Detection in Cyber Physical Systems***
Bagozi A., Bianchini D., De Antonellis V., Marini A., Ragazzi D., 25th International Conference on Cooperative Information Systems (CoopIS 2017), Rhodes, Greece, in press, 2017.
- 34. *Interactive Data Exploration as a Service for the Smart Factory***
Bagozi A., Bianchini D., De Antonellis V., Marini A., Ragazzi D., 2017 IEEE International Conference on Web Services (ICWS 2017), Honolulu, Hawaii, USA, pp. 293-300, 2017.
- 35. *Exploratory Search of Web Data Services Based on Collective Intelligence***
Bianchini D., De Antonellis V., Melchiori M., 17th International Conference on Web Engineering (ICWE 2017), Rome, Italy, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 10360, pp. 378-385, 2017.
- 36. *Data Management Challenges for Smart Living***
Bianchini D., De Antonellis V., Melchiori M., Bellagente P., Rinaldi S., 2nd International Conference on ICT Infrastructures and Services for Smart Cities (IISCC 2017), Brindisi, Italy, LECTURE NOTES OF THE INSTITUTE OF COMPUTER SCIENCES, SOCIAL INFORMATICS AND TELECOMMUNICATIONS ENGINEERING, LNICST 189, pp. 131-137, 2017.
- 37. *Summarisation and relevance evaluation techniques for big data exploration: the smart factory case study***
Bagozi A., Bianchini D., De Antonellis V., Marini A., Ragazzi D., 29th International Conference on Advanced Information Systems Engineering (CAiSE 2017), Essen, Germany, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 10253, pp. 264-279, 2017.

2016

- 38. *Exploratory Search of Web Data Services***
Bianchini D., De Antonellis V., Melchiori M., Proceedings of 24th International Conference on Cooperative Information Systems (CoopIS 2016), Rhodes, Greece, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 10033, pp. 456-464, 2016.
- 39. *An Approach for Service Selection Based on Developers' Ranking***
Bianchini D., De Antonellis V., Melchiori M., Proceedings of IEEE International Conference on Web Services (ICWS 2016), San Francisco, USA, pp. 704-707, 2016.
- 40. *A social network-based framework for data services selection in modern web application design***
Bianchini D., De Antonellis V., Melchiori M., Forum of the International Conference on Advanced Information Systems Engineering (CAiSE 2016), Ljubljana, Slovenia, CEUR WORKSHOPS, Volume 1612, pp. 73-80, 2016.

41. ***TAB Sharing: A gamified tool for e-participation***
Bianchini D., Fogli D., Ragazzi D., ACM International Working Conference on Advanced Visual Interfaces (AVI 2016), Bari, Italy, pp. 294-295, 2016.
42. ***Big Data as a Service for Monitoring Cyber-Physical Production Systems***
Marini A., *Bianchini D.*, Proceedings of 30th European Conference on Modeling and Simulation (ECMS 2016), Regensburg, Germany, pp. 579-586, 2016.
43. ***Food Recommendation based on Semantic Annotations and Reference Prescriptions: the SMART BREAK project***
Bianchini D., De Antonellis V., Melchiori M., Proceedings of 24th Italian Symposium on Advanced Database Systems (SEBD 2016), Ugento, Lecce, Italy, 2016.
44. ***Promoting Citizen Participation through Gamification***
Bianchini D., Fogli D., Ragazzi D., Proceedings of 9th Nordic Forum for Human-Computer Interaction (NordiCHI 2016), Gothenburg, Sweden, 2016.

2015

45. ***An Expertise-Based Framework for Supporting Enterprise Applications Development***
Bianchini D., De Antonellis V., Melchiori M., Proceedings of Database and Expert Systems Applications (DEXA 2015), Valencia, Spain, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 9262, pp. 369-379, 2015.
46. ***A Food Recommendation System Based on Semantic Annotations and Reference Prescriptions***
Bianchini D., De Antonellis V., Melchiori M., Advances in Conceptual Modeling (ER 2015 Workshops), Stockholm, Sweden, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 9262, pp. 369-379, 2015.
47. ***Leveraging Social Patterns in Web Application Design***
Bianchini D., De Antonellis V., Melchiori M., Engineering the Web in the Big Data Era (ICWE 2015), Rotterdam, The Netherlands, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 9114, pp. 13-23, 2015.
48. ***Developers' networks contribution to web application design***
Bianchini D., De Antonellis V., Melchiori M., Proc. of the 17th International Conference on Information Integration and Web-based Applications & Services (iiWAS 2015), Brussels, Belgium, pp. 401-410, 2015.
49. ***A Web-Based Application for Semantic-Driven Food Recommendation with Reference Prescriptions***
Bianchini D., De Antonellis V., Melchiori M., Web Information System Engineering (WISE 2015), Miami, Florida (USA), pp. 32-46, 2015.
50. ***A reputation based approach to enhance web 2.0 application composition***
Bianchini D., De Antonellis V., Melchiori M., Proceedings of the 23rd Italian Symposium on Advanced Database Systems (SEBD 2015), Gaeta, Italy, 2015.

2014

51. ***Model-Based Search and Ranking of Web APIs Across Multiple Repositories***
Bianchini D., De Antonellis V., Melchiori M., Web Information System Engineering, Thessaloniki, Greece, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 8786, pp. 218-233, 2014.
52. ***Capitalizing the designers' experience for improving Web API selection***
Bianchini D., De Antonellis V., Melchiori M., Proc. of 22th International Conference on Cooperative Information Systems (CoopIS 2014), Amantea, Italy, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 8841, pp. 364-381, 2014.
53. ***Deriving folksonomies for improving Web API search***
Bianchini D., OTM 2014 Conferences, Amantea, Italy, Proc. of 13th International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2014), LECTURE NOTES IN COMPUTER SCIENCE, LNCS 8841, pp. 517-534, 2014
54. ***Link-based viewing of multiple Web API repositories***
Bianchini D., De Antonellis V., Melchiori M., Proc. of 25th International Conference on Database and Expert Systems Applications (DEXA 2014), pp. 362-376, Munich, Germany, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 8644, 2014.
55. ***Sharing Linked Web APIs from multiple repositories***
Bianchini D., De Antonellis V., Melchiori M., Proceedings of 22nd Italian Symposium on Advanced Database Systems, Sorrento, Italy, 2014.

2013

56. ***Advanced Web API search patterns adding collective knowledge to public repository facets***
Bianchini D., De Antonellis V., Melchiori M., Proceedings of the 15th International Conference on Information Integration and Web-based Applications & Services (iiWAS2013), pp. 201-209, Vienna, Austria, ISBN: 978-1-4503-2113-6, 2013.
57. ***A Framework for Guided Search of Mashup Components***
Bianchini D., De Antonellis V., Melchiori M., Proceedings of the 3rd VLDB Workshop on Semantic Search over the Web, Riva del Garda, Trento, Italy, 2013.
58. ***Towards a folksonomy of Web APIs***
Bianchini D., Proceedings of the 3rd VLDB Workshop on Semantic Search over the Web, Riva del Garda, Trento, Italy, 2013.
59. ***A Linked Data Perspective for Effective Exploration of Web APIs Repositories***
Bianchini D., De Antonellis V., Melchiori M., Web Engineering, pp. 506-509, Aalborg, Denmark, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 7977, ISBN: 9783642391996, 2013.
60. ***Multiple perspectives in searching Web APIs for mashups***
Bianchini D., De Antonellis V., Melchiori M., Proceedings of the 21st Italian Symposium on Advanced Database Systems, pp. 123-130, Roccella Jonica, Italy, 2013.

61. ***A Linked Data Perspective for Collaboration in Mashup Development***
Bianchini D., De Antonellis V., Melchiori M., Database and Expert Systems Applications (DEXA), 2013, pp. 128-132, Prague, Czech Republic, ISBN: 9780769550701, 2013.
62. ***Linked Data based Expert Search and Collaboration for Mashup***
Bianchini D., De Antonellis V., Melchiori M., On the Move to Meaningful Internet Systems: OTM 2013 Conferences, pp. 726-729, Graz, Austria, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 8185, ISBN: 9783642410291, 2013.
63. ***Exploiting social tagging in Web API search***
Bianchini D., De Antonellis V., Melchiori M., On the Move to Meaningful Internet Systems: OTM 2013 Conferences, pp. 764-771, Graz, Austria, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 8185, ISBN: 9783642410291, 2013.
64. ***Composite Patterns for Web API Search in Agile Web Application Development***
Bianchini D., De Antonellis V., Melchiori M., Database and Expert Systems Applications, pp. 65-72, Prague, Czech Republik, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 8056, ISBN: 9783642401725, 2013.
65. ***A Multi-perspective Framework for Web API Search in Enterprise Mashup Design***
Bianchini D., De Antonellis V., Melchiori M., Advanced Information Systems Engineering, pp. 353-368, Valencia, Spain, LECTURE NOTES IN COMPUTER SCIENCE, LNCS 7908, ISBN: 9783642387081, 2013. **Best Paper Award**

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