Curriculum Vitae Europass

PERSONAL INFORMATION

Name	**BOSELLI ROBERTO**
Address	Via Lanino 3, 20144, Milano, Italy
Telephone	+ 39 02 64485855 (off.), + 39 360445069 (mob.)
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E-mail	roberto.boselli@unimib.it
Nationality	Italian
Date of birth	13/03/1972

WORK EXPERIENCE

• Dates (from – to)	2008 – present
• Name and address of employer	University of Milano Bicocca, Department of Statistics and Quantitative Methods
• Type of business or sector	Education
• Occupation or position held	Assistant Professor in Computer Science
• Main activities and responsibilities	Teaching (undergraduate, postgraduate), research
• Research interests	

- Information Systems:
    - Business Intelligence (BI) and Decision Support Systems (DSS)
    - Data Quality
    - Social media
    - Knowledge Management Systems
- Semantic technologies
    - Semantic Web, Ontologies, Linked Data
    - Unstructured data management
- Service Science
    - e-Government services
    - Public services 2.0
    - Open Government

• Dates (from – to)	2008 – present
• Name and address of employer	CRISP (research centre), University of Milano Bicocca
• Type of business or sector	Research
• Occupation or position held	Research collaboration
• Main activities and responsibilities	Project coordination: ITLab 2.0 project Research collaboration in the following projects: Tender Cedefop, ANCI, SEEMP, PATRI, ITLab 2.0, 2° Annual Report on Labour Market, Regional Observatory for the Labour Market, MoSe for AgroFood, AMeRIcA, Elisa Labor.

• Dates (from – to)	2016
• Name and address of employer	Ministero dell'Istruzione dell'Università e della Ricerca (Ministry of Education, University and Research)
• Type of business or sector	Education

• Occupation or position held	Research collaboration
• Main activities and responsibilities	Project evaluation of "PRIN 2015" program
• Dates (from – to)	2013
• Name and address of employer	Ministero dell'Istruzione dell'Università e della Ricerca (Ministry of Education, University and Research)
• Type of business or sector	Education
• Occupation or position held	Research collaboration
• Main activities and responsibilities	Project evaluation of "Futuro in Ricerca 2013" program
• Dates (from – to)	2009
• Name and address of employer	AFOL (Agency for the training, guidance and work), District of Milan
• Type of business or sector	Education
• Occupation or position held	Collaboration
• Main activities and responsibilities	Evaluation of the technical and economic offers in the tender for the supply of the technological platform "Città dei Mestieri - Archivio delle professioni (Crafts City - Professions Archive)"
• Dates (from – to)	2006-2008
• Name and address of employer	University of Milano – Bicocca, Department of Statistics
• Type of business or sector	Education
• Occupation or position held	Research Fellow
• Main activities and responsibilities	Teaching (undergraduate); Research: development of classification models and ontologies in the context of the European research project SEEMP - Single European Employment Market-Place (IST-4-027347-STP)
• Dates (from – to)	2007-2008
• Name and address of employer	CSL - Consorzio Scuole Lavoro (School Labour Consortium), Milan
• Type of business or sector	Education
• Occupation or position held	Lecturer
• Main activities and responsibilities	Teaching in Computer Science
• Dates (from – to)	2006-2007
• Name and address of employer	University of Milano – Bicocca, Department of Statistics
• Type of business or sector	Education
• Occupation or position held	Lecturer
• Main activities and responsibilities	Teaching in Computer Science
• Dates (from – to)	2005
• Name and address of employer	University of Trento, Department of Information Engineering and Computer Science
• Type of business or sector	Education
• Occupation or position held	Research collaboration
• Main activities and responsibilities	Study for the integration of ontologies and domain ontologies in organizational applications based on semantics in the context of the European project VIKEF - Virtual Information and Knowledge Environment Framework (IST-2002-507173)
• Dates (from – to)	2002-2006
• Name and address of employer	University of Milano – Bicocca, Department of Informatics, Systems and

	Communication
• Type of business or sector	Education
• Occupation or position held	Lecturer
• Main activities and responsibilities	Teaching in Computer Science
	Research: Definition of ontologies for the project MAIS - Multichannel Adaptive Information Systems (FIRB Project); Creation and definition of content, ontologies and methodologies for their treatment within the European project MILK - Multimedia Interaction for Learning and Knowledge (IST Project 2001-33165)

EDUCATION AND TRAINING

• Dates (from – to)	2003-2006
• Name and type of organisation providing education and training	University of Milan Bicocca, Department of Sociology
• Principal subjects/occupational skills covered	Computer Science, Sociology
• Title of qualification awarded	PhD in Quality of life in the Information Society
• Dates (from – to)	2001-2002
• Name and type of organisation providing education and training	University of Milano – Bicocca, Department of Informatics, Systems and Communication
• Principal subjects/occupational skills covered	Computer Science
• Title of qualification awarded	Master in Computer Science for Humanists
• Dates (from – to)	1991-2001
• Name and type of organisation providing education and training	University of Milan
• Principal subjects/occupational skills covered	Arts and Literature
• Title of qualification awarded	Degree in Modern Literature

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE	**ITALIAN**
OTHER LANGUAGES	
	ENGLISH
• Reading skills	C1
• Writing skills	B2
• Verbal skills	B2
	FRENCH
• Reading skills	B2
• Writing skills	B2
• Verbal skills	B2
SOCIAL SKILLS AND COMPETENCES	Excellent ability to work in groups, especially in areas of research, education and organization, developed during the activities in universities. Excellent skills for teaching and mentoring for both undergraduated and postgraduated students.
PROFESSIONAL MEMBERSHIP	CRISP research team (University Milano-Bicocca); Program committee of international conferences: DATA (Data Technologies and

Applications), KomIS (Knowledge Discovery meets Information Systems), ECSM (European Conference on Social Media).

ORGANISATIONAL SKILLS AND COMPETENCES : INTERNATIONAL PROJECTS	**2015-2016** "Real-time labour market information on skill requirements: feasibility study and working prototype", CEDEFOP (European Centre for the Development of Vocational Training, AO-RPA-VKVET-NSOFRO-Real-time LMI-010-14). **2006-2009** Research collaboration for the European project SEEMP - Single European Employment Market Place (IST-4-027347-STP) **2002-2006** Research collaboration for the European project MILK - Multimedia Interaction for Learning and Knowledge (IST Project 2001-33165) **2005** Research collaboration for the European project VIKEF - Virtual Information and Knowledge Environment Framework (IST-2002-507173)
MAJOR RESEARCH PROJECTS	**2017-2018** "Orientarsi nella scelta dell'Università", research study to develop web and mobile apps to help users (students and families) in orientation to the choice of the University. **2015** Observatory on the diffusion and interactivity of online services of local municipalities for ANCI (National Association of Italian Municipalities). Analysis through Text and Social Media Analytics of the diffusion of social media, open data, and on the interactivity level of Lombardy municipalities online portals. **2013-2015** PATRI (Piattaforma di Analisi TRaslazionale Integrata), Creating an integrated database and a platform for data mining for the analysis of genomic data using algorithms and statistical methods for the analysis and interpretation of data. **2009-2014** ITLab 2.0 and ITLab v2: research laboratory for the development of technological prototypes to be applied to the service sector. Research areas: Business Intelligence, Web 2.0, Open Data, Linked Open Data, models of data visualization. **2013** 2° Annual Report on Labour Market, Study and analysis of the dynamics of the labour market on the web through the use of semantic techniques for the treatment of unstructured data. **2008-2013** Regional Observatory for the Labour Market, Design of the information system for data management, especially models to analyze the quality of data and information visualization. **2010-2012** MoSe for AgroFood, Designing a conceptual model for the creation of ontologies aimed at categorizing foods from the description of the product labels. **2008-2011** AMeRIcA, Design and realization of a Decision Support Systems for administrative data. **2008-2011** Elisa Labor, Definition of a model of integration of heterogeneous data sources, in order to create a statistical information system in support of the phases of analysis and evaluation of policies in the labour Market domain. **2005-2006** MAIS - Multichannel Adaptive Information Systems (FIRB Project), Definition of ontologies in the Quality of services domain
AWARDS	**2014**: Best paper award at the Third International Conference on Data Technologies and Applications, Vienna, Austria, 29-31, 2014 **2013**: Best paper award at the Third International Workshop, Human Computer Interaction - Knowledge Discovery 1-3 Luglio, Maribor, Slovenia, 2013
JOB RELATED SKILLS	• Research in computer science • Development of ontologies and conceptual models • Development of semantic wikis • Structured and unstructured data processing • Create, adjust and handle large scale datasets

- Data management
- Application of Information extraction and retrieval techniques
- Application of machine learning algorithms
- Text mining

Papers on International proceedings with referee:

11. Boselli, R.; Cesarini, M.; Mercorio, F.; and Mezzanzanica, M. (2017). An AI Planning System for Data Cleaning. In The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases - ECML-PKDD (to appear).

12. Boselli, R.; Cesarini, M.; Mercorio, F.; and Mezzanzanica, M., (2017). Using Machine Learning for Labour Market Intelligence. In The European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases - ECML-PKDD (to appear).

13. Boselli, R., Cesarini, M., Mercorio, F., Mezzanzanica, M., & Vaccarino, A. (2017). A Pipeline for Multimedia Twitter Analysis through Graph Databases: Preliminary Results. In Proceedings of the 6th International Conference on Data Science, Technology and Applications (DATA 2017), pages 343-349.

14. Boselli R., Cesarini M., Mercorio F. and Mezzanzanica M. (2015). Applying the AHP to Smart Mobility Services: A Case Study. In Proceedings of 4th International Conference on Data Management Technologies and Applications (DATA 2015), ISBN 978-989-758-103-8, pages 354-361. DOI: 10.5220/0005580003540361.

15. Amato, F., Boselli, R., Cesarini, M., Mercorio, F., Mezzanzanica, M., Moscato, V., Persia F. and Picariello, A. (2015) Classification of Web Job Advertisements: A Case Study, Proceedings of the 23rd Italian Symposium on Advanced Database Systems (SEBD 2015), June 14-17, Gaeta, Italy.

16. Amato, F., Boselli, R., Cesarini, M., Mercorio, F., Mezzanzanica, M., Moscato, V., Persia F. and Picariello, A. (2015) Challenge: Processing Web Texts for Classifying Job Offers, Proceedings of the 2015 IEEE International Conference on Semantic Computing (IEEE ICSC 2015), February 7-9, Anaheim, California, USA, ISBN: 978-1-4799-7935-6, pp. 460-463.

17. Mezzanzanica, M., Boselli, R., Cesarini, M., e Mercorio, F. (2014) Improving Data Cleansing Accuracy. A Model-based Approach, In Proceedings of 3rd International Conference on Data Technologies and Applications (DATA 2014), 29-31 August, Vienna, Austria, (Best Paper Award), ISBN: 978-989-758-035-2, pp. 189-201.

18. Boselli, R., Cesarini, M., Mercorio, F. e Mezzanzanica, M. (2014) Are the Methodologies for Producing Linked Open Data Feasible for Public Administrations?, In Proceedings of Special Session in Knowledge Discovery meets Information Systems (KomIS) at DATA 2014, 29-31 August, Vienna, Austria, ISBN: 978-989-758-035-2, pp. 399-407.

19. Boselli, R., Cesarini, M., Mercorio, F. e Mezzanzanica, M. (2014) How the Social Media Contributes to the Recruitment Process?, Proceedings of European Conference on Social Media (ECSM 2014), 10-11 July, Brighton, UK, pp. 57-63, ISBN: 978-1-910309-28-5.

20. Boselli, R., Cesarini, M., Mercorio, F. e Mezzanzanica, M. (2014) Planning meets Data Cleansing, Proceedings 24th International Conference on Automated Planning and Scheduling (ICAPS 2014), Portsmouth, USA, June 21-26, pp. 439-443, ISBN 978-1-57735-660-8.

21. Boselli, R., Cesarini, M., Mercorio, F. e Mezzanzanica, M. (2014) Data Quality on KDD: a Real-life Scenario, Proceedings of 22nd Italian Symposium on Advanced Database Systems, (SEBD 2014), June 16-18, Sorrento, Italy, pp. 378-385.

22. Boselli, R., Cesarini, M., Mercorio, F. e Mezzanzanica, M. (2013) Can Planning meet Data Cleansing?, Proceedings 5th Italian Workshop on Planning and Scheduling, Torino, 4 dicembre, pp. 63-66.

23. Mezzanzanica, M., Boselli, R., Cesarini, M. e Mercorio, F. (2013) Automatic Synthesis of Data Cleansing Activities, Proceedings of the 2nd International Conference on Data Technologies and Applications (DATA 2013), Reykjavik,

Islanda, 29-31 luglio, pp.138-149, ISBN: 978-989-8565-67-9.

24. Boselli, R., Cesarini, M., Mercorio, F. e Mezzanzanica, M. (2013) Inconsistency Knowledge Discovery for Longitudinal Data Management: A Model-Based Approach, Proceedings of the 3rd International Workshop Human-Computer Interaction and Knowledge Discovery in Complex, Unstructured, Big Data (HCI-KDD 2013), Maribor, Slovenia, 1-3 luglio, (Best Paper Award), LNCS 7947, Springer-Verlag Berlin Heidelberg, pp. 183-194, ISBN: 978-3-642-39145-3.

25. Lovaglio, P.G. e Boselli, R. (2013) Generalized Redundancy Analysis, in Brentari E., Carpita M. (a cura di) Advances in Latent Variables - Methods, Models and Applications (SIS 2013), Vita e Pensiero, Milan, Italy, pp. 1-8, ISBN 978-88-343-2556-8.

26. Boselli, R., Cesarini, M., Mercorio, F. e Mezzanzanica, M. (2013) Improving Data Cleansing Techniques on Administrative Databases, Proceedings of the 13th European Conference on e-Government (ECEG 2013), Como, 13-14 giugno, pp. 85-93, ISBN: 978-1-909507-22-7.

27. Boselli, R., Cesarini, M., Mercorio, F. e Mezzanzanica, M. (2013) Semantic Annotation of unstructured Wiki Knowledge according to Ontological Models, Proceedings of the 1st International Conference on Building and Exploring Web Based Environments (WEB 2013), Seville, Spain, 27 gennaio - 1 febbraio, pp. 75-80, ISBN: 978-1-61208-248-6.

28. Mezzanzanica, M., Boselli, R., Cesarini, M. e Mercorio, F. (2012) Towards the use of Model Checking for performing Data Consistency Evaluation and Cleansing, Proceedings 17th International Conference on Information Quality (ICIQ 2012), Paris, France, 16-17 novembre.

29. Boselli, R., Cesarini, M., Mercorio, F. e Mezzanzanica, M. (2012) Domain Ontologies Modeling via Semantic Annotations of Unstructured Wiki Knowledge, Proceedings of the Iadis International Conference (WWW/Internet 2012), Madrid, Spain, 18-21 ottobre, pp. 93-100, ISBN: 978-989-8533-09-8.

30. Mezzanzanica, M., Boselli, R., Cesarini, M., e Mercorio, F. (2012) Data Quality Sensitivity Analysis on Aggregate Indicators, Proceedings of the 1st International Conference on Data Technologies and Applications (DATA 2012), Roma, 25-27 luglio, pp. 97-108, SciTePress, ISBN: 9789898565181.

31. Mezzanzanica, M., Boselli, R., Cesarini C. e Mercorio, F. (2011) Data Quality through Model Checking Techniques. In Proceedings of the 10th International Conference on Intelligent Data Analysis (IDA 2011), LNCS 7014, Springer-Verlag, Porto, Portugal, 29-31 ottobre, pp. 270-281, ISSN 0302-9743, ISBN 978-3-642-24799-6.

32. Boselli, R., Cesarini, M., e Mezzanzanica, M. (2011) Public Service Intelligence: evaluating how the Public Sector can exploit Decision Support Systems. In Productivity of Services NextGen – Beyond Output / Input. Proceedings of XXI RESER conference, Fraunhofer Verlag, Hamburg, Germany, 8-9 settembre, ISBN 978-3-8396-0297-3.

33. Boselli, R., Cesarini, M. e Mezzanzanica, M. (2011) Framework Guidelines to Measure the Impact of Business Intelligence and Decision Support Methodologies in the Public sector, in Proc. of 11th European Conference on eGovernment ECEG 2011, Ljubljana, Slovenia, 16-17 giugno, pp. 107-115, ISBN: 978-1-908272-01-0.

34. Mezzanzanica, M., Cesarini, M. and Boselli, R. (2010) Business Intelligence Exploitation for investigating territorial Systems, methodological Overviews and empirical Considerations, In The Resilience of the Global Service Economy. In Proc. of XX RESER Conference, Gothenburg, Sweden, 30 settembre-2 ottobre, pp. 1-18.

35. Boselli, R., Cesarini, M. e Mezzanzanica, M. (2009) Can Web 2.0 support

Decision-Making Activities in Public Services? An Investigation in Public Services 2.0, in Proc. of 19th International Conference of RESER 2009, Budapest, Ungheria, 24-25 settembre, ISBN: 978-963-7260-07-0.

36. Boselli, R., Cesarini, M., Mezzanzanica, M. e Maggiolini, P. (2009) Traditional vs 2.0 Information Systems in the Job-Market-Place domain. Differences and foresight Convergence, In Proceedings of the 14th AIM (Association Information and Management) Conference, Marrakech, Marocco, 10-12 giugno.

37. Fugini, M., Maggiolini, P., Nanini, K., Boselli, R., Cesarini, M. and Mezzanzanica, M. (2008) Why is true E-government still difficult to be achieved?, In Proc. of E-Government Cross Session of the 20° World Computer Congress (WCCEGov08), Milano, 08 settembre, ISBN 978-0-387-09711-4.

38. Boselli, R., Cesarini, M e Mezzanzanica, M. (2008) Customer Knowledge and Service Development, the Web 2.0 Role in Co-production, In Proceedings of World Academy of Science, Engineering and Technology (WASET), Volume 30, Paris, France, 4-6 luglio, pp. 600-606, ISSN:1307-6884.

39. Boselli, R., Cesarini, M e Mezzanzanica, M. (2007) Nuovi mondi per la comunità scientifica del Semantic Web: la Service Science, in Atti Congresso AICA 2007, Milano, settembre, pp. 187-199, ISBN: 88-901620-3-1.

40. Boselli, R., e De Paoli, F. (2005) Semantic Navigation through Multiple Topic Ontologies, In Proceedings of the 2nd Italian Semantic Web Workshop (SWAP 2005), Trento, Italy, December 14-16, CEUR Workshop Proceedings, ISSN 1613-0073.

41. Boselli, R., Cabitza, F., De Paoli, F., Loregian, M. (2005) An Adaptive Middleware to Support Context-Aware Knowledge Sharing, First International Workshop on Services and Infrastructure for the Ubiquitous and Mobile Internet (SIUMI) (ICDCSW'05), Columbus, Ohio, USA, June 6, pp. 352-358, ISSN: 1545-0678.

42. Agostini, A., Albolino, S., De Michelis, G., De Paoli, F., e Dondi, R. (2003) Stimulating knowledge discovery and sharing. In Proceedings of the 2003 international ACM SIGGROUP Conference on Supporting Group Work, GROUP '03. ACM Press, New York, NY, Sanibel Island, Florida, USA, November 09 - 12, pp. 248-257, ISBN: 1-58113-693-5.

43. Boselli, R., De Paoli, F., Dondi R. (2003) Knowledge Organization and Retrieval in the MILK System. In: Proceedings of the 15th International Conference on Software Engineering and Knowledge Engineering SEKE 2003, San Francisco Bay, 1st - 3rd July, ISBN: 1-891706-12-8.

Chapters on National books:

44. Boselli, R., Colombo, E., Graziani, C., Mezzanzanica, M. e Ronzoni, G. (2013) L'offerta di lavoro sul web, in Mezzanzanica, M., (a cura di) Ipotesi di lavoro. Le dinamiche, i servizi e i giudizi che cambiano il mercato del lavoro, Aracne, Roma, pp. 77-134, ISBN: 978-88-548-6541-9.

45. Mezzanzanica, M. e Boselli, R. (2013) Data... as a Service. Una opportunità per il cambiamento delle politiche e dei servizi, in Di Ciaccio, A., Lanzani, W. (a cura di), Gli analytics come motore per i big data la ricerca e il sistema paese, Aracne, Roma, pp. 15-27, ISBN: 978-88-548-6324-8.

46. Mezzanzanica, M. e Cavenago, D. (a cura di), Boselli, R., Cesarini, M., Mariani, L., Marafioti, E. e Trivellato, B. (2009) Scienza dei servizi, un percorso tra metodologie e applicazioni, Springer, ISBN: 978-88-470-1363-6.

47. Boselli, R., (2008) L'evoluzione delle ontologie locali nel Web 2.0, in Bella G., Diamantini D. (a cura di), La qualità della vita nella società dell'informazione, Guerini editore, Milano, pp.15-29, ISBN 978-88-6250-073-9.

Papers on National Journals:

48. Beltrami G, Boselli R, Cavenago D, Martini M (2016). L'offerta di servizi on line nei Comuni lombardi e l'interattività sui portali istituzionali. RU. RISORSE UMANE NELLA PUBBLICA AMMINISTRAZIONE, vol. 3, ISSN: 1723-9877

49. Mezzanzanica, M., Boselli, R. (2014) Il valore del dato destrutturato (2a parte). Il contributo del dato web nella misurazione dello skill mismatch, Statistica e Società, Anno 3, N. 1, pp. 11-15.

50. Mezzanzanica, M., Boselli, R. (2013) Il valore del dato destrutturato: Una metodologia di analisi delle offerte di lavoro sul web (1a parte), Statistica e Società, Anno 2, N. 3, pp. 5-8.

51. Mezzanzanica, M., Boselli, R. (2013) Open Data per l'innovazione dei servizi, Statistica e Società, Anno 2, N. 1, pp. 48-51.

52. Mezzanzanica, M., Boselli, R. e Verzillo, S. (2012) Utilizzo di dati amministrativi per la valutazione di policies famigliari, Statistica e Società, Anno 1, N. 3, pp. 5-8.

Others:

53. Boselli, R., Federici, M.L., Viscusi, G. (2006) Ontologies: from Philosophy to Knowledge Integration, Quaderni del Dipartimento DISCO, Università di Milano Bicocca, Research Report n. 2, Aracne editrice, ISBN: 88-548-0688-9, ISSN: 1828-3357.