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# Massimiliano Albanese

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## PERSONAL INFORMATION

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- Date of Birth: June 8, 1977
- City of Birth: Ariano Irpino (Avellino)
- Country of Birth: Italy
- Country of Citizenship: Italy
- Address: via Rodolfo D'Afflitto 103 – 83131 – Ariano Irpino (Avellino)
- Marital status: unmarried

## EDUCATION

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- School-leaving certificate obtained in 1996 at “Liceo Ginnasio con annesso Liceo Scientifico P.P.Parzanese” – Ariano Irpino (Avellino) – Italy. Final mark: **60/60**.
- **Computer Engineering degree** obtained at University of Naples “Federico II” on March 27<sup>th</sup>, 2002. Final mark: 110/110 with praise.
- Title of graduation thesis “*Progetto Query By Video Algebra: un approccio probabilistico per il retrieval in basi dati video*” (Query By Video Algebra Project: a probabilistic approach to the retrieval from video data bases).
- Current position: Ph.D. student in “Computer Science and Engineering” at the Dipartimento di Informatica e Sistemistica, University of Naples “Federico II” (advisor: Prof. Antonio Picariello).
- Research interests in the area of Information Retrieval, Multimedia Databases and Knowledge Management.
- **Ph.D. thesis defense scheduled for January 2006**. The subject of the thesis is the extraction of structured data from text sources and the automatic generation of stories about entities such as people, organizations and countries.

## TECHNICAL KNOWLEDGES

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- Operating systems: Windows, Linux.
- Programming languages: **C++**, **Java**, **PL/SQL**, Pascal, **Basic**, **C#**, Fortran, PLC languages, **PHP**.
- Other languages: **HTML**, **XML**.
- Development frameworks: **Visual Studio**, **Visual Studio .NET**, **JBuilder**,

**JDeveloper**, web design tools (**Macromedia Dreamweaver**).

- DBMS: SQL Server, **Oracle**, **MySql**.
- E-learning platforms. Computer networks.
- Strong experience in designing data bases.

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#### LANGUAGES

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Native language: Italian. Fluent in English - spoken and written.

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#### PREVIOUS PROFESSIONAL EXPERIENCES

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- Design and implementation of websites and databases.
- May 2002 - May 2003. Scientific collaboration with the *Centro di servizi Didattico Scientifico (C.D.S.) – University of Naples “Federico II”*.
- June 2002. Teaching activities within a Web Master course at I.P.S.S.C.T. “G.Falcone” – Pozzuoli – Italy.
- December 2002. Tutoring activities within Computer Science courses at the University of Naples.
- July 2002. Teaching activities within the “Master in recupero e promozione dei centri storici attraverso l’uso di tecnologie, materiali polimerici innovativi e tecniche avanzate di censimento e comunicazione”, sponsored by the *Dipartimento di Ingegneria dei Materiali e della Produzione – University of Naples*.
- May 2003. Teaching activities within a “Data Base Administrator” course, sponsored by “Fondazione IDIS – Città della Scienza ONLUS”.
- October 2003 – January 2004. Research activities at the *Department of Computer Science, University of Maryland, USA*, in the context of the international research project named “STORY” (Prof. *V.S.Subrahmanian*).
- March 2004. Teaching activities within a postgraduate training course sponsored by 3F Data Systems, Naples.
- November 2004. Research activities at the *Department of Computer Science, University of Maryland, USA*, in the context of the STORY project.
- 2002 – 2004. Participation in the FIRB project entitled “Middleware for advanced services over large-scale, wired-wireless distributed systems (WEB-MINDS)”.
- May 2004. Consulting contract with “Città della Scienza s.c.p.a. Onlus” for the design and implementation of a web-based information system.
- May 2004. Consulting contract with “ARPA - Agenzia Ricerca e Produzione Avanzata dell’Università degli Studi di Napoli Federico II” for the design of an e-learning platform.
- June - August 2004. Research activities at the *Department of Computer Science, University of Maryland, USA*, in the context of the STORY project.
- 2002 - 2005. Teaching and tutoring experience within undergraduate courses at the *Dipartimento di Informatica e Sistemistica, University of Naples “Federico II”*.

## PARTICIPATION IN CONFERENCES

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- “7th International Workshop on Multimedia Information Systems”, Capri, Italy, November 7–9, 2001.
- “Didamatica 2002 – Informatica per la Didattica”, Naples, Italy, February 14–15, 2002.
- “9th Workshop on Multimedia Information Systems”, Ischia, Italy, May 26-28, 2003.
- “First International Workshop on Computer Vision meets Databases (CVDB 2004)”, Paris, France, June 13, 2004.
- 10th International Conference on Information Systems Analysis and Synthesis (ISAS 2004) and International Conference on Cybernetics and Information Technologies, Systems and Applications (CITSA 2004), Orlando, Florida, USA, July 21-25, 2004.
- 6th ACM International Workshop on Web Information and Data Management (WIDM 2004), Washington, DC, USA, November 12-13, 2004
- “11th Workshop on Multimedia Information Systems”, Sorrento, Italy, September 19-21, 2005.

## PUBLICATIONS

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### CONFERENCE PAPERS

1. M. Albanese, G. Boccignone, V. Moscato, A. Picariello. “**Image Similarity Based on Animate Vision: Information Path Matching**”. In *Proceedings of the 8th International Workshop on Multimedia Information Systems (MIS 2002)*, pp. 66-75, Tempe, Arizona, USA, October 30 - November 1, 2002.
2. M. Albanese, A. Chianese, V. Moscato, L. Sansone. “**Dissolve Detection in a Video Sequence Based on Animate Vision**”. In *Proceedings of the 9th International Workshop on Multimedia Information Systems (MIS 2003)*, pp. 115-122, Ischia, Italy, May 26-28, 2003.
3. M. Albanese, A. Picariello, C. Sansone, L. Sansone. “**A Web Personalization System based on Web Usage Mining Techniques**”. In *Proceedings of the 13th International World Wide Web Conference (WWW 2004)*, pp. 288-289, New York, USA, May 17-22, 2004.
4. M. Albanese, C. Cesarano, A. Picariello. “**A Multimedia Data Base Browsing System**”. In *Proceedings of the First International Workshop on Computer Vision meets Databases (CVDB 2004)*, pp. 35-42, Paris, France, June 13, 2004.
5. M. Albanese, A. Picariello, A. M. Rinaldi. “**A Technological Framework for Personalized Museum Visiting**”. In *Proceedings of the 10th International Conference on Information Systems Analysis and Synthesis (ISAS 2004) and International Conference on Cybernetics and Information Technologies, Systems and Applications (CITSA 2004)*, pp. 273-278, Orlando, Florida, USA, July 21-25, 2004.
6. M. Albanese, A. Picariello, A. M. Rinaldi. “**A Semantic Search Engine for Web Information Retrieval: an Approach Based on Dynamic Semantic Networks**”. In *Proceedings of SIGIR Semantic Web and Information Retrieval Workshop (SWIR 2004)*, Sheffield, United Kingdom, July 25-26, 2004.

7. M. Fayzullin, V.S. Subrahmanian, M. Albanese, C. Cesarano, A. Picariello. **“STORY: Architecture of a system to create stories about Pompeii and other applications”**. In *Proceedings of the 10th International Workshop on Multimedia Information Systems (MIS 2004)*, pp. 2-13, College Park, Maryland, USA, August 25-27, 2004.
8. M. Albanese, A. Picariello, C. Sansone, L. Sansone. **“Web Personalization based on Static Information and Dynamic User Behavior”**. In *Proceedings of the 6th ACM International Workshop on Web Information and Data Management (WIDM 2004)*, pp. 80-87, Washington, DC, USA, November 12-13, 2004.
9. M. Fayzullin, V.S. Subrahmanian, M. Albanese, A. Picariello. **“The Priority Curve Algorithm for Video Summarization”**. In *Proceedings of the 2nd ACM International Workshop on Multimedia Databases (ACM MMDB'04)*, pp. 28-35, Washington, DC, USA, November 13, 2004.
10. M. Albanese, P. Maresca, A. Picariello, A.M. Rinaldi. **“Towards a Multimedia Ontology System: an Approach Using TAO\_XML”**. In *Proceedings of the Eleventh International Conference on Distributed Multimedia Systems (DMS 2005)*, pp. 52-57, Banff, Canada, September 5-7, 2005.
11. M. Albanese, P. Capasso, A. Picariello, and A.M. Rinaldi. **“Information Retrieval from the Web: an Interactive Paradigm”**. In *Proceedings of the 11th International Workshop on Multimedia Information Systems (MIS 2005)*, Sorrento, Italy, September 19-21, 2005.

#### JOURNAL PAPERS

1. M. Albanese, A. Chianese, V. Moscato, L. Sansone. **“A Formal Model for Video Shot Segmentation and its Application via Animate Vision”**. *Multimedia Tools and Applications Journal*, volume 24, n. 3, pp. 253-272, December 2004.
2. M. Fayzullin, V.S. Subrahmanian, M. Albanese, C. Cesarano, A. Picariello. **“Story Creation from Heterogeneous Data Sources”**. Accepted for publication in *Multimedia Tools and Applications Journal*, 2005.
3. M. Albanese, M. Fayzullin, A. Picariello, V.S. Subrahmanian. **“The Priority Curve Algorithm For Video Summarization”**. Accepted for publication in *Information Systems Journal*, 2005.

#### CHAPTERS IN BOOKS

1. M. Albanese, A. Chianese, V. Moscato, A. Picariello. **“E<sup>2</sup>: E-CONTENT ED E-LEARNING”**. In *Didattica 2002 – Informatica per la didattica, “e-Learning: metodi, strumenti ed esperienze a confronto”*, pp. 213-224, 2002.
2. M. Albanese, C. Cesarano, M. Fayzullin, A. Picariello, V.S. Subrahmanian. **“VIDEO SUMMARIZATION”**. To appear in *Encyclopedia of Multimedia*, edited by Borko Furht.

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#### MILITARY SERVICE

Exemption from military service obtained for scientific merit, according to the Italian Law (D.L. December 30, 1997 and successive modifications).

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