



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Fabio Persia**
Telephone(s) (+39) 0471016191
E-mail fabio.persia@unibz.it
Nationality Italian
Gender Male

Current Position Researcher / Assistant Professor at the Free University of Bozen-Bolzano

Education and training

| | |
|--|--|
| Dates | From March 2010 to April 2013 |
| Title of qualification awarded | PhD in Computer Science and Engineering |
| Principal subjects/occupational skills | Video Surveillance applications Knowledge representation and management Multimedia databases Recommender Systems Data reasoning Activity detection |
| Name and type of organization providing education and training | University of Naples "Federico II" |
| Level in national or international classification | PhD |
| Thesis title | Finding Unexplained Activities in Time-Stamped Observation Data |
| Dates | From February 2006 to March 2009 |
| Title of qualification awarded | Master Degree in Computer Science and Engineering |
| Principal subjects/occupational skills covered | Synthesis and analysis of complex algorithms and data collections Design and implementation of web applications Design and analysis of electronic computer architectures Knowledge about models and methods for database realization Ability to model and solve network optimization problems Object - oriented design and programming Design and implementation of distributed applications Knowledge about computer network functioning an design |
| Name and type of organization providing education and training | University of Naples "Federico II" |
| Level in national or international classification | Master Degree |
| Thesis title | An ontological framework to identify suspicious events in video sequences |

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| Dates | From September 2002 to February 2006 |
| Title of qualification awarded | First Level Degree in Computer Science Engineering |
| Principal subjects/occupational skills covered | Methodological – operating knowledge of math and basic sciences Problem solving and identification in information engineering area Design and management of systems and infrastructures for information representation and processing Basic knowledge of computer network functioning Basic elements of software engineering |
| Name and type of organisation providing education and training | University of Naples "Federico II" |
| Level in national or international classification | First level (Bachelor) Degree |
| Thesis title | Tracking objects in video sequences for video – surveillance applications |
| Date | From September 1997 to July 2002 |
| Title of qualification awarded | Diploma in secondary school with an emphasis on humanities |
| Principal subjects/occupational skills covered | Italian literature and expression, Latin and Greek literature and expression, history, philosophy, mathematics and physics, natural and biological, English language and literature, art history |
| Name and type of organisation providing education and training | Secondary School "Plinio Seniore" – Castellammare di Stabia, Napoli |
| Level in national or international classification | Secondary School diploma |

Work experience

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| Dates | From July 2013 till now |
| Occupation or position held | Icyanzu Ltd shareholder |
| Main activities and responsibilities | Design and implementation of www.icyanzu.com , coming soon in Rwanda |
| Name and address of employer | Icyanzu Ltd, Sherwood House 41 Queens Road, Farnborough, Hampshire, GU14 6JP |
| Type of business or sector | Web application design and implementation |
| Dates | From July 2013 to April 2015 |
| Occupation or position held | Postdoctoral Research Fellow at the University of Naples "Federico II" |
| Main activities and responsibilities | Research activities on Semantic Indexing and Social Network Analysis |
| Name and address of employer | Department of Electrical Engineering and Information Technology - University of Naples "Federico II" |
| Type of business or sector | Research Activity |
| Dates | December 2011; February – March 2012; July 2012; November 2012; March 2013; July 2013; December 2013; March 2014; July 2014; November 2014; January 2015; April 2015 |
| Occupation or position held | "University Industry Internship training Program" Project Collaboration |
| Main activities and responsibilities | Lessons on PHP, Databases I, Databases II, XML |
| Name and address of employer | Biogem S.c.a.r.l. – Via Camporeale c/o Palazzina Telematica – 83031 Ariano Irpino (AV) |
| Type of business or sector | Teaching Activity |
| Dates | January 2014 |
| Occupation or position held | PON "DISPLAY-FARM" Project Collaboration |
| Main activities and responsibilities | Teaching Databases I |
| Name and address of employer | Consorzio CINI – Complesso Universitario di Monte Sant'Angelo, Via Cintia – 80125 – Napoli |
| Type of business or sector | Teaching activity |

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| Dates | From October 2012 to December 2012 |
| Occupation or position held | Collaboration with Industrial Technology Institute "Renato Elia" |
| Main activities and responsibilities | Teaching C++ language |
| Name and address of employer | Istituto Tecnico Industriale "Renato Elia" – Via Annunziatella 55/C, 80053 Castellammare di Stabia (NA) |
| Type of business or sector | Teaching activity |
| Dates | November 2012 |
| Occupation or position held | PON "IESWECAN" Project Collaboration |
| Main activities and responsibilities | Exercises on C and Java languages |
| Name and address of employer | Centro Regionale Information Communication Technology (CeRICT scr) – Complesso Universitario di Monte Sant'Angelo, Via Cintia – 80125 - Napoli |
| Type of business or sector | Teaching activity |
| Dates | From November 2010 to April 2011 |
| Occupation or position held | PhD Visiting Scholar |
| Main activities and responsibilities | Design and implementation of a framework identifying "unexplained" activities in video – surveillance context |
| Name and address of employer | UMIACS – University of Maryland, College Park, MD 20742, USA |
| Type of business or sector | Research activity in Multimedia Databases |
| Dates | From March 2010 to July 2010 |
| Occupation or position held | MACPI Project Collaboration |
| Main activities and responsibilities | Lessons in Office: Word, Excel, Access, Project, PowerPoint |
| Name and address of employer | Alenia Aeronautics, Viale Aeronautica - 80038 Pomigliano d'Arco (NA) - Italy |
| Type of business or sector | Teaching activity |
| Dates | From May 2009 to December 2009 |
| Occupation or position held | Research Assistant |
| Main activities and responsibilities | Design of a system for automatic generation of multimedia ontologies |
| Name and address of employer | Department of Computer Science – University of Naples – 80125 Naples - Italy |
| Type of business or sector | Research activity in multimedia databases |
| Dates | From November 2008 to March 2009 |
| Occupation or position held | Laboratory activity |
| Main activities and responsibilities | Design and implementation of an ontological framework to identify suspicious events in video sequences |

Name and address of employer | Department of Computer Science – University of Naples – 80125 Naples - Italy
 Type of business or sector | Experimental project about video - surveillance
 Dates | From September 2005 to February 2006
 Occupation or position held | Training activity
 Main activities and responsibilities | Design and implementation of tools related to object tracking in video sequence for video – surveillance applications
 Name and address of employer | Department of Computer Science – University of Naples – 80125 Naples - Italy
 Type of business or sector | Experimental project about video - surveillance

Personal skills and competences

Mother tongue(s) | **Italian**

Other language(s)

Self-assessment
European level ()*

English

French

German

| Understanding | | | | Speaking | | | | Writing | |
|---------------|----------------|---------|----------------|--------------------|----------------|-------------------|----------------|---------|----------------|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| C1 | Advanced level | C1 | Advanced level | C1 | Advanced level | C1 | Advanced level | C1 | Advanced level |
| A2 | Base level | A2 | Base level | A2 | Base level | A2 | Base level | A2 | Base level |
| A1 | Base level | A1 | Base level | A1 | Base level | A1 | Base level | A1 | Base level |

(*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu/en/intermediary/11611main)

Personal skills and competences

During the last years, I was also teaching assistant at the following courses:

- Basic Informatics, Bachelor Degree in Computer Science and Engineering, University of Naples.
- Basic Informatics, Bachelor Degree in Biomedical Engineering, University of Naples.
- Informatics, Bachelor of Pharmacy, University of Naples.
- Electronic Devices I, Bachelor degree in Biomedical Engineering, University of Naples.
- Databases I, Bachelor degree in Computer Science and Engineering, University of Naples.
- Databases II, Master degree in Computer Science and Engineering, University of Naples.
- Multimedia systems, Master degree in Computer Science and Engineering, University of Naples.

Moreover, I was thesis co-advisor of:

- 21 students, Bachelor degree in Computer Science and Engineering.
- 1 student, Bachelor degree in Biomedical Engineering.
- 10 students, Master degree in Computer Science and Engineering.
- 2 students, Bachelor degree in Management Engineering.

Personal Web Page

www.inf.unibz.it/~fpersia/

Teaching

Professor at the Free University of Bozen-Bolzano of the following courses during the academic years 2015/16 and 2016/17

- Operating Systems
- Operating Systems, exercises

Organization of International Conferences

- Program Committee Co-Chair of IEEE ICSC 2018, the 12th IEEE International Conference on Semantic Computing
- Program Chair of SMC '18, the Second International Workshop on Semantic Multimedia Computing, in conjunction with IEEE ICSC 2018, the 12th IEEE International Conference on Semantic Computing
- Program Chair of SMC '17, the First International Workshop on Semantic Multimedia Computing, in conjunction with IEEE ICSC 2017, the 11th IEEE International Conference on Semantic Computing

Publications

F. Amato, A. Castiglione, A. De Santo, V. Moscato, A. Picariello, **F. Persia**, G. Sperli
Recognizing human behaviors in online social networks
Computers & Security, In Press, 2017

P. Bolzoni, **F. Persia**, S. Helmer
Itinerary Planning with Category Constraints Using a Probabilistic Approach
DEXA 2017, Lyon, France

D. D'Auria, **F. Persia**
The role of semantics in Improving Medical Doctors' Performance
IRC 2017, Taichung, Taiwan

F. Persia, F. Bettini, S. Helmer
Labeling the Frames of a Video Stream with Interval Events
ICSC 2017, San Diego, CA, USA

M. Ge, **F. Persia**
Research Challenge in Multimedia Recommender Systems
ICSC-SMC 2017, San Diego, CA, USA

D. D'Auria, **F. Persia**
A Methodology for Improving Vegetation Representation and Health Exploiting s Semantic Robotic System
ICSC-SR 2017, San Diego, CA, USA

- S. Helmer, **F. Persia**
 ISEQL: an Interval-based Surveillance Event Query Language
 International Journal of Multimedia Data Engineering and Management, Volume 7, Issue 4, 2016
- F. Persia**, S. Helmer
 An Event Detection Framework Supported by a Smart Graphical Interface
 IRI 2016, Pittsburgh, PA, USA
- S. Helmer, **F. Persia**
 An Interval-based Query Language for High-Level Surveillance Event Detection
 SEBD 2016, Ugento, Italy
- S. Helmer, **F. Persia**
 High-Level Surveillance Event Detection Using an Interval-Based Query Language
 ICSC 2016, Laguna Hills, CA, USA
- D. D'Auria, **F. Persia**, B. Siciliano
 Human-Computer Interaction in Healthcare: How to Support Patients during their Wrist Rehabilitation
 ICSC 2016, Laguna Hills, CA, USA
- F. Amato, L. Greco, **F. Persia**, S. R. Poccia, A. De Santo
 A Content-Based Multimedia Retrieval
 Data Management in Pervasive Systems, Part of the series Data-Centric Systems and Applications,
 pages 291-310, Springer, 2015
- D. D'Auria, **F. Persia**
 A Framework for Real-Time Evaluation of Medical Doctors' Performances While Using a Cricothyrotomy
 Simulator
 Data Management Technologies and Applications, Volume 178 of the series Communications in
 Computer and Information Systems, pages 182-198, Springer, October 2015
- F. Persia**, D. D'Auria, G. Sperli, A. Tufano
 A Prototype for Anomaly Detection in Video Surveillance Context
 Intelligent Software Methodologies, Tools and Techniques, Volume 532 of the series Communications in
 Computer and Information Science, pages 517-528, Springer, September 2015
- D. D'Auria, **F. Persia**, B. Siciliano
 A Low-Cost Haptic System for Wrist Rehabilitation
 IRI 2015, San Francisco, CA, USA
- F. Amato, A. De Santo, F. Gargiulo, V. Moscato, **F. Persia**, A. Picariello, G. Sperli
 A Novel Approach to Query Expansion based on Semantic Similarity Measures
 DATA 2015, Colmar, France
- F. Amato, R. Boselli, M. Cesarini, F. Mercurio, M. Mezzanzanica, V. Moscato, **F. Persia**
 Classification of Web Job Advertisements: a case Study
 SEBD 2015, Gaeta, Italy
- F. Amato, A. De Santo, V. Moscato, **F. Persia**, A. Picariello, S.R. Poccia, G. Sperli
 A structure-based approach for ontology partitioning
 SEBD 2015, Gaeta, Italy

F. Persia, D. D'Auria

A Distributed Framework for Event Detection in Video Surveillance Context
3PGCIC 2015, Krakow, Poland

A.d'Acierno, F.Gargiulo, V.Moscato, A.Penta, **F.Persia**, A.Picariello, C.Sansone, G.Sperli, A multimedia summarizer integrating text and images, KES-IIMSS-15.

F.Amato, A.De Santo, F.Gargiulo, V.Moscato, **F.Persia**, A.Picariello, S.R.Poccia, SemTree: an index for supporting semantic retrieval of documents, DESWeb 2015, April 2015.

F.Colace, M.De Santo, L.Greco, F.Amato, V.Moscato, **F.Persia**, A.Picariello, A user-centered approach for social recommendations, ACHI 2015, February 2015.

F.Amato, R.Boselli, M.Cesarini, F.Mercorio, M.Mezzanzanica, V.Moscato, **F.Persia**, A.Picariello, Challenge: Processing web texts for classifying job offers. Semantic Computing (ICSC), 2015 IEEE International Conference on, 460-463.

F.Amato, A.De Santo, V.Moscato, **F.Persia**, A.Picariello, S.R.Poccia, Partitioning of ontologies driven by a structure-based approach. Semantic Computing (ICSC), 2015 IEEE International Conference on, 320-323.

D.D'Auria, **F.Persia**, Discovering Expected Activities in Medical Context Scientific Databases, DATA 2014: 446-453, August 2014.

D.D'Auria, **F.Persia**, Automatic Evaluation of Medical Doctors' Performances while Using a Cricothyrotomy Simulator, 2014 IEEE 15th International Conference on Information Reuse and Integration (IRI), pages 514-519.

F.Persia, D.D'Auria, An Application for Finding Expected Activities in medical context scientific databases, 22nd Italian Symposium on Advanced Database Systems (SEBD 2014), 16 – 18 June 2014, Sorrento Coast.

F.Persia, F.Amato, F.Gargiulo, S.R.Poccia, A.De Santo, Finding Unexplained Human Behaviors in Social Networks, 22nd Italian Symposium on Advanced Database Systems (SEBD 2014), 16 – 18 June 2014, Sorrento Coast.

F.Amato, A.De Santo, V.Moscato, **F.Persia**, A.Picariello, Detecting Unexplained Human Behaviors in Social Networks. Semantic Computing (ICSC), 2014 IEEE International Conference on, 143-150.

M.Albanese, C.Molinaro, **F.Persia**, A.Picariello, V.S.Subrahmanian, Discovering the Top-k Unexplained Sequences in Time-Stamped Observation Data, IEEE Transactions on Knowledge and Data Engineering, 26(3):577-594 (2014).

F.Amato, F.Gargiulo, V.Moscato, **F.Persia**, A.Picariello: Recommendation of Multimedia Objects for Social Network Applications. EDBT/ICDT Workshops 2014: 288-293.

M. Albanese, R. F. Erbacher, S. Jajodia, C. Molinaro, **F. Persia**, A. Picariello, G. Sperli, and V. S. Subrahmanian, Recognizing Unexplained Behavior in Network Traffic. In Network Science and Cybersecurity, Volume 55 of Advances in Information Security, pages 39-62, Springer, January 2014.

F.Amato, F.Gargiulo, V.Moscato, **F.Persia**, A.Picariello: PSIS: Parallel Semantic Indexing System - Preliminary Experiments. ICA3PP (2) 2013: 133-140.

M.Albanese, A.d'Acierno, V.Moscato, **F.Persia**, A.Picariello: A Multimedia Recommender System. ACM Trans. Internet Techn. 13(1): 3 (2013).

F.Amato, V.Moscato, **F.Persia**, A.Picariello, F.Gargiulo, An RDF-Based Framework for Semantic Indexing of Web Pages. ICSC 2013: 395-396.

A.d'Acerno, V.Moscato, A.Penta, F.Persia, A.Picariello: "IWIN: a Summarizer System Based on a Semantic Analysis of Web Documents", Sixth IEEE International Conference on Semantic Computing (ICSC 2012), September 19 – 21, 2012, Palermo, Italy.

V.Moscato, A.Chianese, A.Picariello, F.Persia: "A framework for building Multimedia Ontologies from the Web", 20th Italian Symposium on Advanced Database Systems (SEBD 2012), 24 – 27 giugno 2012, Venezia.

M.Albanese, A. d'Acerno, V. Moscato, F. Persia, A. Picariello, "A Novel Strategy for Recommending Multimedia Objects and its Application in the Cultural Heritage Domain ", International Journal of Multimedia Data Engineering (IJMDEM), vol. 2, n.4, pag.1 – 18, 2011.

M.Albanese, A. d'Acerno, V. Moscato, F. Persia, A. Picariello, "A Multimedia Semantic Recommender System for Cultural Heritage Applications", Fifth IEEE International Conference on Semantic Computing (ICSC 2011), 19-21 Settembre 2011, Stanford University, Palo Alto, CA, USA.

M. Albanese, C. Molinaro, F.Persia, A.Picariello, V.S.Subrahmanian, "Finding "Unexplained" Activities in Video", Twenty-second International Joint Conference on Artificial Intelligence (IJCAI 2011), 16-22 Luglio – Barcellona, Spain, 2011.

A.d'Acerno, V.Moscato, A.Penta, F.Persia, A.Picariello, "Semantic Summarization of WEB Documents", Fourth IEEE International Conference on Semantic Computing, September 22-24, 2010 (ICSC 2010), Carnegie Mellon University, Pittsburgh, PA, USA.

M.Albanese, A.d'Acerno, V.Moscato, F.Persia, A.Picariello, "Modeling Recommendation as a Social Choice Problem", ACM Recommender Systems 2010 (ACM RecSys 2010), Barcelona.

M.Albanese, A.d'Acerno, V.Moscato, F.Persia, A.Picariello, "A Ranking Method for Multimedia Recommenders", ACM International Conference on Image and Video Retrieval (IEEE CIVR2010), 5-7 July 2010, Xi'an China.

V. Moscato, A. Penta, F. Persia, A. Picariello, "MOWIS: A system for building Multimedia Ontologies from Web Information Sources", Proceedings of Italian Workshop on Information Retrieval (IIR 2010), Gennaio 27-28, Padova, Italy, 2010.

V. Moscato, A. Penta, F. Persia, A. Picariello, "A System for Automatic Image Categorization", Proceedings of IEEE International Workshop on Semantic Computing and Multimedia Systems (SCMS09) in conjunction with the third IEEE International Conference on Semantic Computing (ICSC 2009), Settembre 14-16, Berkeley (CA,USA), 2009.

Social skills and competences

Good working ability also if workers have different needs and limited working hours

Organisational skills and competences

Good working ability also with coming deadlines
Good ability in project management

Technical skills and competences

Programming language: Visual Basic, C, C++, Java, Bash
Design language: UML
Middleware technologies: CORBA, Java RMI, J2EE, Web Services
Operating systems: Windows (98/2000/Me/Xp/2003 Server)
Dbms: MySql Server 4.1, MS-Access, Oracle, PostgreSQL
Web Technologies: Html, Flash Mx, Javascript, Jsp, SVG, PHP
Calculation and simulation platforms: Matlab 7/Simulink,
Applicative packages: MS Office XP, OpenOffice, Matlab,

Signature