

Curriculum Vitae

Personal information

Full Name: Matteo Gerosa

Date of Birth:

Place of Birth:

Nationality: Italian

Address:

Phone:

E-mail Address: gerosa@fbk.eu

Current Position

January 2015 - present Head of Project Management Group at FBK Center for Information Technology (<http://pmg.fbk.eu/>). Main activities include managing European and National projects (including time, scope, cost, human resources and risk management), supervising the work of other project managers, writing project proposals, advising the Director of the ICT center and keeping relationship with stakeholders.

Education

March 2006 PhD degree in Information and Communication Technology of the International Graduate School, University of Trento. Dissertation title: "Acoustic Modeling for Automatic Recognition of Children's Speech".

July 2001 Laurea degree, magna cum laude, in Physics, Faculty of Science, University of Trento (Italy). Dissertation title: "Detection of single molecules using Atomic Force Microscopy".

Project management certifications

Jan 2014 Project Management Professional (PMP) certification. PMP is granted by the Project Management Institute and is the most important industry-recognized certification for project managers.

Past positions

- Jan. 2013* – Senior project manager within the Project Management Group (<http://pmg.fbk.eu>) of Fondazione Bruno Kessler (FBK). In addition to managing research and innovation projects and writing proposal for EU and national calls, main responsibilities were the creation and start-up of a project management group within FBK. This complex project involved careful planning, change management within the organization and internal stakeholder management.
- Dec. 2014*
- March 2010* – “Project Manager” within the e-government unit within FBK. Main responsibilities were managing research and innovation projects with public administrations, writing project proposals and managing local stakeholders.
- Dec. 2012*
- July 2007* – FBK ICT center, Trento, Italy (<http://www.fbk.eu/>): Post-doctoral Researcher. Principal investigator of the project RIVA, funded by the Autonomous Province of Trento. Activity included both scientific and management responsibilities.
- March 2010*
- Nov. 2006* – Speech Analysis and Interpretation Laboratory (SAIL)” (<http://sail.usc.edu>), University of Southern California (USC), Los Angeles, CA: post-doctoral research assistant. Research activity focused on automatic speech recognition, in particular children’s speech recognition and automatic assessment of reading skills. Activity included the supervision of PhD students and coordinating USC effort in two research project: TBALL: Technology-Based Assessment of Language and Literacy (<http://diana.icsl.ucla.edu/Tball/>) and SASO-ST: Stability and Support Operation-Simulation and Training (<http://www.ict.usc.edu/content/view/33/86/>).
- July 2007*
- Jan. 2002* - ITC-Irst, “Center for Scientific and Technological Research”, Trento, Italy
- Oct. 2006* (<http://www.fbk.eu/>): junior researcher and PhD student in the area of Automatic Speech Recognition (ASR), focusing on ASR for children. Activity was carried out in the contest of local funded project PEACH (<http://peach.itc.it/>) and European funded projects PF-STAR (<http://pfstar.itc.it/>) and TC-STAR (<http://www.tc-star.org/>).
- March-August 2005* Speech Analysis and Interpretation Laboratory (SAIL) of the University of Southern California (USC), Los Angeles, CA: internship. Research activity was focused on the analysis of read and spontaneous children’s speech, in the context of the TBALL project (<http://diana.icsl.ucla.edu/Tball/>)

Project management experience

- [2016-2019] Project Manager for European project SIMPATICO (<http://www.simpaticoproject.eu/>), funded under the H2002 EURO-6 call. SIMPATICO's goal is to improve the experience of citizens and companies in their daily interactions with the public administration by providing a personalized delivery of e-services based on advanced cognitive system technologies. Activities included day-to-day management of the project, planning, monitoring and controlling and making sure that the project is managed using the highest standards and procedures in compliance with the recognised international standards for project management set by the Project Management Institute (PMI).
- [2016] Project Manager for EIT Digital project "SMAll – Smart Mobility for All" – Goal is to set up the framework to steer the Europe-wide mobility ecosystem towards the "mobility as a service" model: open up more opportunities to mobility operators to offer new services, and provide to citizens more flexible and personalized mobility solutions. Activities included day-to-day management of the project, planning, monitoring and controlling and making sure that the project is managed using the highest standards and procedures in compliance with the recognised international standards for project management set by the Project Management Institute (PMI).
- [2015-2018] Project Manager for European project SUPERSEDE (<http://www.supersede.eu/>), funded under the H2002 ICT-10 call. Project goal is to deliver methods and tools to support decision-making in the evolution and adaptation of software services. Activities included day-to-day management of the project, planning, monitoring and controlling and making sure that the project is managed using the highest standards and procedures in compliance with the recognised international standards for project management set by the Project Management Institute (PMI).
- [2013-2016] Site Project Manager for European project IES Cities (<http://www.iescities.eu>), a CIP ICT-PSP project on building an innovative Smart City platform. Responsibilities included coordinating Trentino Pilot, a 5 person team from two entities: FBK and Rovereto Municipality.
- [2012-2013] Stakeholder Manager and supporting project manager for the SmartCampus project (<http://www.smartcampuslab.it>), a smart city project funded by the Autonomous Province of Trento. Main activities included stakeholder management, organizing activities and pilot testing campaigns.
- [2010-2012] Site Project Manager of ProDe (<http://www.progettoprode.it>), a nationally funded project on building paper-less public administration processes. Responsibilities included coordinating the Trentino Task Team, a 7-people team from three partners, Province of Trento, Informatica Trentina and FBK.

- [2007-2010] Project Manager and principal investigator of the project RIVA (Riconoscimento Automatico a Vocabolario Aperto), funded by the Autonomous Province of Trento. Activity included both scientific and management responsibilities.
- [2007] Principal Investigator of the research project, “Cyberlearning Classroom Tools: Enabling Interactive, Participatory Learning for Remote Students” for the seed grant “Teaching with Technology” funded by University of Southern California.
- [2006-2007] Site Project Manager for SAIL laboratory of project TBALL (<http://diana.icsl.ucla.edu/Tball/>) and SASO-ST (Stability and Support Operations – Simulation and Training).

Proposal writing experience

- Horizon 2020: involved in more than 15 proposal preparations in diverse calls (mainly in LEIT-ICT, SC6, SC1, SC7 calls).
- Personal success rate of H2020 proposals where I was the principal writer: 50%
- Extensive experience in proposal preparation for other funding programme such as EIT digital call for activities, Life+, Euregio, Alpine space, etc.

Languages skills

- Native speaker of Italian
- Excellent knowledge of English (Achieved the “Cambridge Certificate of Proficiency in English (CPE)”, the highest-level qualification for English language skills)

Technical Skills

- Good practical knowledge of both **UNIX/Linux** and **Windows** environments.
- Good knowledge of **Microsoft Project**.
- Good practical working knowledge of **C**, **Perl**, **Python** and **Shell Scripts**.
- Good practical familiarity with **Office**, in particular **Word**, **Excel** and **Access**.

Scientific publications

Journal Papers

1. M. Gerosa, D. Giuliani and F. Brugnara, *Towards Age-Independent Acoustic Modeling*, *Speech Communications* 51, pp. 499-509, 2009
2. A. Neri, O. Mich, M. Gerosa and D. Giuliani. *The effectiveness of Computer Assisted Pronunciation Training for foreign language learning by children*. In *Computer Assisted Language Learning*. Vol. 21 No. 5 (2008).
3. M. Gerosa, D. Giuliani and F. Brugnara, *Acoustic Variability in Automatic Recognition of Children's Speech*, *Speech Communications* 49 (11), pp. 847-860, 2007
4. D. Giuliani, M. Gerosa and F. Brugnara, *Improved Automatic Speech Recognition Through Speaker Normalization*, *Computer Speech & Language*, 20 (1), pp. 107-123, Jan. 2006

International Conference Papers

1. C. Di Francescomarino, M. Dragoni, M. Gerosa, C. Ghidini, M. Rospocher and M. Trainotti, *Achieving Interoperability through Semantic Technologies*. In *Proceedings of ESWC 2012*, Heraklion, Crete, GR, 2012.
2. C. Casagni, C. Di Francescomarino, M. Dragoni, L. Fiorentini, L. Franci, M. Gerosa, C. Ghidini, F. Rizzoli, M. Rospocher, A. Rovella, L. Serafini, S. Sparaco and A. Tabarroni, *WikiBased Conceptual Modeling: An Experience with the Public Administration*. In *Proceedings of the International Semantic Web Conference*, Koblenz, Germany, 2011.
3. G. Falavigna, M. Gerosa, D. Giuliani, R. Gretter, *An Automatic Transcription System of Hearings in Italian Courtrooms*, In *Proceedings of Multimedia in Forensics, Security and Intelligence*, Florence, IT, 2010
4. D. Falavigna, M. Gerosa, D. Giuliani, R. Gretter, *Phone-to-Word decoding through statistical machine translation and complementary system combination*, In *Proceedings of ASRU Workshop*, Merano, Italy, Dec. 2009
5. M. Gerosa, M. Federico. *Coping with Out-of-Vocabulary Words: Open vs Huge Vocabulary ASR*. In *Proceedings of ICASSP*, Taipei, Taiwan, Apr. 2009
6. N. Bertoldi, M. Federico, D. Falavigna, M. Gerosa, *Fast Speech Decoding through Phone Confusion Networks*, In *Proceedings of Interspeech*, Brisbane, Australia, Sep. 2008.
7. M. Gerosa, S. Narayanan. *Investigating automatic assessment of reading comprehension in young children*. In *Proceedings of ICASSP*, Las Vegas, USA, Apr. 2008. pp. 5057—5060.
8. A. Alwan, Y. Bai, M. Black, L. Casey, M. Gerosa, M. Heritage, M. Iseli, B. Jones, A. Kazemzadeh, S. Lee, S. Narayanan, P. Price, J. Tepperman, S. Wang, *A System for Technology*

- Based Assessment of Language and Literacy in Young Children: the Role of Multiple Information Sources*, Proceedings of MMSP, Oct. 2007
9. J. Tepperman, M. Black, S. Lee, A. Kazemzadeh, M. Gerosa, M. Heritage, A. Alwan, and S. Narayanan. *A bayesian network classifier for word-level reading assessment*. In *Proceedings of InterSpeech*, Proceedings of INTERSPEECH/ICSLP, Antwerp, Belgium, Aug. 2007.
 10. M. Gerosa, D. Giuliani and S. Narayanan, *Acoustic Analysis and Automatic Recognition of Spontaneous Children's Speech*, Proceedings of INTERSPEECH/ICSLP, Pittsburgh, PA, USA, Sept. 2006
 11. M. Gerosa, S. Lee, D. Giuliani and S. Narayanan, *Analyzing Children's Speech: An Acoustic Study of Consonants and Consonant-Vowel Transition*, Proceedings of ICASSP, Toulouse, France, May2006
 12. M. Gerosa, D. Giuliani and F. Brugnara, *Speaker Adaptive Acoustic Modeling with Mixture of Adult and Children's Speech*, Proceedings of INTERSPEECH, Lisboa, Portugal, Sept. 2005, pp. 2193-2196
 13. A. Batliner, M. Blomberg, S. D'Arcy, D. Elenius, D. Giuliani, M. Gerosa, C. Hacker, M. Russell, S. Steidl and M. Wong, *The PF_STAR Children's Speech Corpus*, Proceedings of INTERSPEECH, Lisboa, Portugal, Sept. 2005, pp.2761-2764
 14. M. Gerosa and D. Giuliani, *Preliminary Investigations in Automatic Recognition of English Sentences Uttered by Italian Children*, Proceedings of InSTIL/ICALL, Venezia, Italia, 2004, pp. 9-12.
 15. O. Mich, D. Giuliani and M. Gerosa, *Parling: a CALL System for Children*, Proceedings of InSTIL/ICALL, Venezia, Italia, 2004, pp. 169-172.
 16. M. Gerosa and D. Giuliani, *Investigating Automatic Recognition of Non-native Children's Speech*, Proceedings of ICSLP, Vol II, Jeju Island, Korea, 2004, pp. 1521-1524.
 17. D. Giuliani, M. Gerosa and F. Brugnara, *Speaker Normalization through Constrained MLLR Based Transforms*, Proceedings of ICSLP, Vol IV, Jeju Island, Korea, 2004, pp. 2893-2897.
 18. D. Giuliani and M. Gerosa, *Investigating Recognition of Children's Speech*, Proceedings of ICASSP, Hong Kong, China, 2003, Vol. II, pp. 137-140.

National Conference Papers

1. M. Gerosa, D. Giuliani and F. Brugnara, *L'Effetto dell'Età nel Riconoscimento Automatico del Parlato*, Proceedings of AISV, Trento, Italia, Nov. 2006.