

THE DECLARATIONS MADE IN THIS CURRICULUM VITAE ARE TO BE CONSIDERED AS MADE PURSUANT
TO ARTICLES 46 AND 47 OF D.P.R. 445/2000

CURRICULUM VITAE OF DANIELA MICUCCI

ESSENTIAL DATA

- September 2019 **National Scientific Qualification (ASN) as Associate Professor** in 01/B1 – Informatica
- September 2019 **s National Scientific Qualification (ASN) as Associate Professor** in 09/H1 – Sistemi di elaborazione delle informazioni
- February 2008 **Researcher** at the Department of Informatics, Systems and Communication of the University of Milano Bicocca: **Confirmed position**
- January 2005 Starting as **researcher** at the Department of Informatics, Systems and Communication of the University of Milano Bicocca.
- May 2004 Starting as **researcher** at the Department of Informatics, Systems and Communication of the University of Milano Bicocca.: **Temporary position**
- February 2004 **Ph.D.** in Mathematics, Statistics, Computational Sciences and Computer Science, curriculum Informatics, XVI cycle, from the Department of Mathematics of the University of Milano. Thesis title: “Mobile Robot Localisation And World Modeling in a Real-Time Software Architecture”, Advisor: Prof. Francesco Tisato, Ph.D coordinator: Prof. Giovanni Naldi
- July 2001 **Attended** the 13th **International School for Computer Science Researchers** titled: “Foundations of Wide Area Network Programming”.
- January 1998 **Annual scholarship** from Consorzio Milano Ricerche. Research theme: “Development of graphical user interfaces for real-time systems”.
- October 1997 **Laurea Degree in Information Science** at the University of Milano, with the thesis entitled: “Interfaccia Grafica per la Simulazione di Reti di Automi”. Supervisor: prof. Francesco Tisato.
- June 1997 **Attended the training course** “Unix system management and TCP/IP network issues” organized by Centro di formazione professionale Vigorelli in Milan.
- October 1985 – June 1987 **Attended the training course** “Basic informatics and programming” organized by Lombardy Region.

I. RESEARCH ACTIVITY

Daniela Micucci's main research interest is software engineering, with specific focus on software architecture for emerging application domains, the design of self-healing and self-repairing systems, and the automatic generation of program fixes.

It follows a short description of the most recent research directions:

- **Pervasive health.** The research concerns the definition and experimentation of architectural solutions for systems supporting pervasive healthcare, that is, systems able to improve the quality and efficiency of healthcare to anyone, wherever they are and at any time, thanks to the acquisition, transmission, and processing of multimodal information flows. Particular attention is paid to the definition of architectural solutions for the acquisition of data from heterogeneous and spatially distributed sensors and their processing in order to identify the activities carried out in the environment. The results currently achieved have been published in prestigious journals of the reference sector, including the Journal of Ambient Intelligence and Humanized Computing.
- **Self-healing and -repairing.** The research concerns the definition and experimentation of self-healing and self-repairing techniques for the automatic or semi-automatic repair of applications with particular attention to the mobile world. In particular, techniques must ensure negligible overhead and high effectiveness. To this end, experiments are being carried out to evaluate the overhead introduced by monitoring involving volunteers. The results of the experiments will allow the definition of monitoring strategies that limit the impact on the user experience. At the same time, general techniques of automatic self-healing are being defined that exploit the runtime policy enforcers. The results currently achieved have been published in prestigious conferences and journals, including IEEE Transaction on Software Engineering and the ICSE, ESEC/FSE and SEAMS conferences.

- **Time-, Space- and Self- awareness.** The research concerns the definition of architectural abstractions able to model recurring aspects in complex, distributed and real-time IT systems that do not usually emerge as first-class-objects. In particular, research focuses on the definition of architectural abstractions that allow IT systems to be time-aware, space-aware and self-aware. Time-awareness is the system capability of reasoning about time and of behaving according to the time flow. Space-awareness is the system capability of locating objects in virtual or physical spaces and of behaving according to spatial locations. Self-awareness is the system capability of observing and controlling its own structure and behavior, including temporal and spatial aspects, QoS, resource management and energy saving. The results currently achieved have been published in prestigious conference proceedings and journals in the sector, including Pervasive and Mobile Computing.

DIRECTION OF OR PARTICIPATION IN RESEARCH GROUP ACTIVITIES

- Since November 2016 **Director** of the **Software Architecture Laboratory (SAL)** of the Department of Informatics, Systems and Communication, University of Milan Bicocca (www.sal.disco.unimib.it). The main objective of SAL is to define, develop and experiment architectural models, methodologies, and tools facing the challenges of emerging application domains.
- **Collaboration** with **Prof Natalia Juristo**, Universidad Politécnica de Madrid. The research activity is focused on the analysis of the impact of overhead introduced by monitoring techniques on end users. The collaboration has produced a joint work that is currently being submitted to the journal TOSEM. From 01-06-2017.
- **Collaboration** with **Prof. Ylies Falcone**, University Grenoble Alpes, Inria, France. The research activity deals with the definition and experimentation of verification strategy that can be exploited to discover interferences between sets of runtime enforcers. The results of the collaboration appeared in “Oliviero Riganelli, Daniela Micucci, Leonardo Mariani, Ylies Falcone. Verifying Policy Enforcers. Proceedings of the 17th International Conference on Runtime Verification (RV 2017), Seattle, WA, USA, September 13-16, 2017, 2017, pp. 241-258”. From 01-04-2017.
- **Collaboration** with **Prof. Hiroko Kudo** and **Prof. Toshi Kato**, Chuo University, Tokyo, Japan. The research activity is focused on the definition of ambient assisted living solutions for elderly people. The results of the collaboration appeared in “Marco Mobilio, Toshi Kato, Hiroko Kudo, Daniela Micucci. Ambient Assisted Living for an Ageing Society: a Technological Overview. Proceedings of the 2nd Italian Workshop on Artificial Intelligence for Ambient Assisted Living (AI*AAL.it 2016), 2017, CEUR Workshop Proceedings, Volume 1803, pp 43-58”. From 01-01-2016.
- **Collaboration** with **Prof. Leonardo Mariani**, Test and Analysis Laboratory (LTA) of the University of Milan-Bicocca. The collaboration will cover a wide range of research areas, including the definition and experimentation of Self-healing techniques for Android Environments and of Self-Repairing techniques for C environments. The collaboration has resulted in several joint work including “Luca Gazzola, Daniela Micucci, Leonardo Mariani. Automatic Software Repair: A Survey. IEEE Transactions on Software Engineering (TSE), to appear. DOI: 10.1109/TSE.2017.2755013”, “Fabrizio Pastore, Leonardo Mariani, Daniela Micucci. BDCI: Behavioral Driven Conflict Identification. Proceedings of the 11th joint meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE). 2017 with artefact evaluated functional”, and “Oliviero Riganelli, Daniela Micucci, Leonardo Mariani. Policy Enforcement with Proactive Libraries. Proceedings of the 12th IEEE/ACM International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS), pp 182-192, 2017. ISBN 978-1-5386-1550-8. DOI 10.1109/SEAMS.2017.9”. From 01-06-2014.
- **Collaboration** with **Dr. Paolo Napoletano**, Imaging and Vision laboratory (IVL) of the University of Milan-Bicocca. The research activity relates to pervasive healthcare and in particular to the experimentation of machine learning techniques for the recognition of ADLs from inertial signals. The collaboration has resulted in some joint work including “Daniela Micucci, Marco Mobilio, Paolo Napoletano, Francesco Tisato. Falls as anomalies? An experimental evaluation using smartphone accelerometer data. Journal of Ambient Intelligence and Humanized Computing (JAIHC), volume 8, issue 1, pp. 87-99, 2017. ISSN: 1868-5145, DOI: 10.1007/s12652-015-0337-0”. From 01-01-2014.

PUBLICATIONS

List of publications from 2011. The complete list can found at the following link: https://boa.unimib.it/simple-search?query=micucci&rpp=100&sort_by=bi_sort_2_sort&order=DESC&filter_field_1=author&filter_type_1=authority&filter_value_1=rp02409

– INTERNATIONAL PUBLICATIONS

- Journal

- [1] Anna Ferrari, **Daniela Micucci**, Marco Mobilio, Paolo Napoletano. On the Personalization of Classification Models for Human Activity Recognition. In IEEE ACCESS - ISSN:2169-3536, vol. 8, pp.32066-32079, 2020 DOI:10.1109/ACCESS.2020.2973425

- [2] Oscar Cornejo, Daniela Briola, **Daniela Micucci**, Leonardo Mariani. In-the-field monitoring of functional calls: Is it feasible? In THE JOURNAL OF SYSTEMS AND SOFTWARE (JSS), Vol. 163, Article 110523, Elsevier, 2020, DOI:10.1016/j.jss.2020.110523
- [3] Oliviero Riganelli, **Daniela Micucci**, Leonardo Mariani. Controlling Interactions with Libraries in Android Apps Through Runtime Enforcement. ACM Transactions on Autonomous and Adaptive Systems (TAAS), Vol. 14, No. 2, Article 8, ACM, 2019. DOI: <https://doi.org/10.1145/3368087>
- [4] Oscar Cornejo, Davide Ginelli, Daniela Briola, **Daniela Micucci**, Leonardo Mariani. Field Monitoring with delayed saving. IEEE Access, volume 7, pp. 85913-85924, IEEE, 2019, DOI: 10.1109/ACCESS.2019.2925855
- [5] Oliviero Riganelli, **Daniela Micucci**, Leonardo Mariani. *From source code to test cases: A comprehensive benchmark for resource leak detection in Android apps*. SOFTWARE-PRACTICE & EXPERIENCE (SPE), volume 49, issue 3, pp. 540-548, Wiley, 2019. DOI: 10.1002/spe.2672
- [6] Daniela Briola, **Daniela Micucci**, Leonardo Mariani. *A platform for P2P agent-based collaborative applications*. SOFTWARE-PRACTICE & EXPERIENCE (SPE), volume 49, issue 3, pp. 549-558, Wiley, 2019. DOI: 10.1002/spe.2657
- [7] Luca Gazzola, **Daniela Micucci**, Leonardo Mariani. *Automatic Software Repair: A Survey*. IEEE Transactions on Software Engineering (TSE), volume 45, issue 1, IEEE, 2019, DOI: 10.1109/TSE.2017.2755013
- [8] Davide Ginelli, **Daniela Micucci**, Marco Mobilio, Paolo Napoletano. *UniMiB AAL: An Android sensor data acquisition and labeling suite*. Applied Sciences (Appl. Sci.), volume 8, issue 8, MDPI, 2018, doi:10.3390/app8081265.
- [9] **Daniela Micucci**, Marco Mobilio, Paolo Napoletano. *UniMiB SHAR: a new dataset for human activity recognition using acceleration data from smartphones*. Applied Sciences (Appl. Sci.), volume 7, issue 10, MDPI, 2017, doi:10.3390/app7101101.
- [10] **Daniela Micucci**, Marco Mobilio, Paolo Napoletano, Francesco Tisato. *Falls as anomalies? An experimental evaluation using smartphone accelerometer data*. Journal of Ambient Intelligence and Humanized Computing (JAHC), volume 8, issue 1, pp. 87-99, 2017. ISSN: 1868-5145, DOI: 10.1007/s12652-015-0337-0
- [11] **Daniela Micucci**, Alessio Vertemati, Francesco Fiamberti, Diego Bernini, Francesco Tisato. *A Spaces-Based Platform Enabling Responsive Environments*. International Journal on Advances in Intelligent Systems, ISSN:1942-2679, vol. 7 (1-2), 2014, pp.179-193.
- [12] Leonardo Mariani, **Daniela Micucci**. *AuDeNTES: Automatic Detection of tentative plagiarism according To a rEference Solution*. ACM Transactions on Computing Education (TOCE), volume 12, issue 1, article 2, pp. 2:1-2:26, 2012. ISSN: 1946-6226, DOI: 10.1145/2133797.2133799
- [13] Diego Bernini, Francesco Fiamberti, **Daniela Micucci**, Francesco Tisato. *Architectural abstractions for spaces-based communication in Smart Environment.*, Journal of Ambient Intelligence and Smart Environments (JAISE), ISSN:1876-1364, volume 4, number 3, 2012, doi:10.3233/AIS-2012-0146. pp.253-277
- [14] Francesco Tisato, Carla Simone, Diego Bernini, Marco Locatelli, **Daniela Micucci**. *Grounding ecologies on multiple spaces*, Pervasive and Mobile Computing, ISSN:1574-1192, volume 8, number 4, 2012 doi:10.1016/j.pmcj.2011.10.00,. pp.575-596
- **Book Chapters**

[15] **Daniela Micucci**, Marco Mobilio, Francesco Tisato. *Spaces: Subjective spaces architecture for contextualizing heterogeneous sources*. Communications in Computer and Information Science, volume 586, 2016, pp. 415-429, Springer

[16] Marco Covelli, **Daniela Micucci**, Marco Mobilio *Time in the domain entities access architecture*. Communications in Computer and Information Science, ISBN:978-3-319-25579-8, ISSN:1865-0929, vol. 555, DOI:10.1007/978-3-319-25579-8_14, 2015, pp.233-250, Springer
 - **Conference Proceedings**

[17] Anna Ferrari, **Daniela Micucci**, Marco Mobilio, Paolo Napoletano. *Human Activities Recognition Using Accelerometer and Gyroscope*. Proceedings of the European Conference on Ambient Intelligence (AMI 2019). In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Springer, 2019, Pages 357-362

[18] Marco Mobilio, Oliviero Riganelli, Daniela Micucci, Leonardo Mariani. *FILo: Flix-LOcus Recommendation for Problems Caused by Android Framework Upgrade*. Proceedings of the IEEE International Symposium on Software Reliability Engineering (ISREE) , 2019

[19] Anna Ferrari, **Daniela Micucci**, Marco Mobilio, Paolo Napoletano. *Hand-crafted Features vs Residual Networks for Human Activities Recognition using Accelerometer*. Proceedings of the IEEE 23rd International Symposium on Consumer Technologies (ISCT), Ancona, Italy, 2019, pp. 153-156. doi: 10.1109/ISCE.2019.8901021

- [20] Oliviero Riganelli, Marco Mobilio, **Daniela Micucci**, Leonardo Mariani. *A benchmark of data loss bugs for Android apps*. Proceedings of the International Conference on Mining Software Repository (MSR 2019), Montreal, Canada, 2019, pages 582-586
- [21] **Daniela Micucci**, Marco Mobilio, Francesco Tisato. *RGAM: An Architecture-Based Approach to Self-management*. Proceedings of the International Conference on Information Technology and Systems (ICITS 2019). In *Advances in Intelligent Systems and Computing*, Springer, Volume 918, 2019, Pages 325-334
- [22] Oliviero Riganelli, **Daniela Micucci**, Leonardo Mariani. *Increasing the Reusability of Enforcers with Lifecycle Events*. Proceedings of the 8th International Symposium On Leveraging Applications of Formal Methods, Verification and Validation (ISoLA 2018), Limassol, Cyprus, 2018
- [23] Luca Gazzola, **Daniela Micucci**, Leonardo Mariani. *Automatic software repair: a survey*. Proceedings of the 2018 IEEE/ACM 40th International Conference on Software Engineering (ICSE) (pp.1219-1219). IEEE Computer Society (journal first).
- [24] Oliviero Riganelli, **Daniela Micucci**, Leonardo Mariani, Yliès Falcone. **Verifying Policy Enforcers**. Proceedings of the 17th International Conference on Runtime Verification (RV 2017), Seattle, WA, USA, September 13-16, 2017, 2017, pp. 241-258
- [25] Fabrizio Pastore, Leonardo Mariani, **Daniela Micucci**. *BDCI: Behavioral Driven Conflict Identification*. Proceedings of the 11th joint meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE). 2017. Con **Artifact** valutato come **Functional**
- [26] Oscar Cornejo, Daniela Briola, **Daniela Micucci**, Leonardo Mariani. *In the Field Monitoring of Interactive Applications*. Proceedings of the 2017 IEEE/ACM 39th International Conference on Software Engineering (ICSE): New Ideas and Emerging Results Track, pp 55-58, 2017. ISBN 978-1-5386-2675-7. DOI 10.1109/ICSE-NIER.2017.19
- [27] Oliviero Riganelli, **Daniela Micucci**, Leonardo Mariani. *Policy Enforcement with Proactive Libraries*. Proceedings of the 12th IEEE/ACM International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS), pp 182-192, 2017. ISBN 978-1-5386-1550-8. DOI 10.1109/SEAMS.2017.9
- [28] Fabrizio Pastore, **Daniela Micucci**, Leonardo Mariani. *Timed k-Tail: Automatic Inference of Timed Automata*. Proceedings of the 10th IEEE International Conference on Software Testing, Verification and Validation (ICST 10) pp 401-411, 2017. ISBN 978-1-5090-6031-3, DOI: 10.1109/ICST.2017.43
- [29] Marco Covelli, **Daniela Micucci**, Marco Mobilio. *An Architecture for the Design of Platforms Supporting Responsive Environments*. Proceedings of the 10th International Conference on Software Engineering and Applications, Part of 10th International Joint Conference on Software Technologies (ICSOFT-EA2015), pp.462-467, 2015, ISBN:978-989-758-036-9, DOI:10.5220/0005099404170427
- [30] Alessio Fanelli, **Daniela Micucci**, Marco Mobilio, Francesco Tisato. *Spatio-Temporal Normalization of Data from Heterogeneous Sensors*. Proceedings of the 9th International Conference on Software Engineering and Applications, Part of 9th International Joint Conference on Software Technologies (ICSOFT-EA2014), pp.417-427, 2014, ISBN:978-989-758-114-4,
- [31] Francesco Fiamberti, **Daniela Micucci**, Marco Mobilio, Francesco Tisato. *A Layered Architecture Based on Previsional Mechanisms*. Proceedings of the 8th International Conference on Software Engineering and Applications, Part of 8th International Joint Conference on Software Technologies (ICSOFT-EA2013), pp. 354-359, 2013, ISBN:978-9898-56568-6, DOI:10.5220/0004592503540359
- [32] Diego Bernini, Francesco Fiamberti, **Daniela Micucci**, Francesco Tisato, Alessio Vertemati. *Spaces-Based Communication: an Extension to Support Infinite Spatial Models*. Proceedings of the 7th International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM2013). ISBN:978-1-61208-289-9, 2013, pp.92-97
- [33] Francesco Fiamberti, **Daniela Micucci**, Francesco Tisato. *Petri nets as a means to validate an architecture for time aware systems*. Joint Proceedings of the International Workshop on Petri Nets and Software Engineering (PNSE) and International Workshop on Modeling and Business Environments (ModBE). In CEUR WORKSHOP PROCEEDINGS ISSN:1613-0073 vol. 989, 2013 pp.117-131.
- [34] Francesco Fiamberti, **Daniela Micucci**, Francesco Tisato. *An object-oriented application framework for the development of real-time systems*. Proceedings of the 50th International Conference on Objects, Models, Components, Patterns (TOOLS 2012), ISBN:978-3-642-30560-3, 2012, doi:10.1007/978-3-642-30561-0_7, pp.75-90.
- [35] Francesco Fiamberti, **Daniela Micucci**, Alessandro Morniroli, Francesco Tisato. *A model for time-awareness*. Advanced Information Systems Engineering Workshops (ONTOSE 2012), Proceedings of CAISE 2012 International Workshops - ISBN:978-3-642-31068-3, 2012, doi:10.1007/978-3-642-31069-0_6. pp.70-84

[36] Francesco Fiamberti, **Daniela Micucci**, Francesco Tisato. *An architecture for time-aware systems*. IEEE 16th Conference on Emerging Technologies Factory Automation (ETFA2011), ISBN:978-1-4577-0016-3, 2011, doi:10.1109/ETFA.2011.6059177

- **Workshops Proceedings Co-located Events and Other**

[37] Italo Zoppis, Sara Manzoni, Giancarlo Mauri, Giada Pietrabissa, Andrea Trentini, **Daniela Micucci**, and Gianluca Castelnuovo. Nudges Driven Networks: Towards More Acceptable Recommendations for Inducing Targeted Social Communities. Proceedings of the 6th International Conference on Internet Science (INSCI 2019), Workshop on Artificial intelligence for an Ageing Society (AI4Ageing). In El Yacoubi S., Bagnoli F., Pacini G. (eds) Internet Science. INSCI 2019. Lecture Notes in Computer Science, vol 11938. Springer

[38] Anna Ferrari, **Daniela Micucci**, Marco Mobilio, Paolo Napoletano. *On the Homogenization of Heterogeneous Inertial-Based Databases for Human Activity Recognition*. IEEE SERVICES Workshop on Big Data for Public Health Policy co-located with the IEEE World Congress on Services (SERVICES), Milan, Italy, 2019, pp. 295-300, doi: 10.1109/SERVICES.2019.00084

[39] Anna Ferrari, **Daniela Micucci**, Marco Mobilio, Paolo Napoletano. *A Platform to Collect, Unify, and Distribute Inertial Labeled Signals for Human Activity Recognition*. In 5th Italian Conference on ICT for Smart Cities & Communities (I-CiTies 2019).

[40] Anna Ferrari, **Daniela Micucci**, Marco Mobilio, Paolo Napoletano. *A Framework for Long-Term Data Collection to Support Automatic Human Activity Recognition*. In proceedings on the International Workshop Reliable Intelligent Environment (**WoRIE 19**), co-located with the International Conference Intelligent Environments (IE 19), 2019, pp. 367-376, doi: 10.3233/AISE190067

[41] Pietro Randine, Mirek Muzny, Daniela Micucci, Eirik Arsand. System for automatic estimation and delivery of quickly-absorbable carbohydrates. Proceedings of the 12 International conference on Advanced Technologies & Treatments for Diabetes (ADDT), 2019, doi: 10.1089/dia.2019.2525.abstracts

[42] Stefania Bandini, Davide Ginelli, Andrea Gorrini, **Daniela Micucci**. *Walkability Assessment through Mobile Applications: the LONGEVICITY Project*. In 4th Italian Conference on ICT for Smart Cities & Communities (I-CiTies 2018).

[43] **Daniela Micucci**, Marco Mobilio. *An Architecture for Embedded Systems Supporting Assisted Living*. In 3rd Italian Conference on ICT for Smart Cities & Communities (I-CiTies 2017). 2017.

[44] Oscar Cornejo, Daniela Briola, **Daniela Micucci**, Leonardo Mariani. *Fragmented Monitoring*. Proceedings of the 2nd International Workshop on Pre- and Post-Deployment Verification Techniques (**PrePost 17**), co-located with International Conference on integrated Formal Methods (iFM), 2017, pp. 57-68. Doi: 10.4204/EPTCS.254.5

[45] Marco Mobilio, Toshi Kato, Hiroko Kudo, **Daniela Micucci**. *Ambient Assisted Living for an Ageing Society: a Technological Overview*. Proceedings of the 2nd Italian Workshop on Artificial Intelligence for Ambient Assisted Living (AI*AAL.it 2016), 2017, CEUR Workshop Proceedings, Volume 1803, pp 43-58.

[46] Oliviero Riganelli, **Daniela Micucci**, Leonardo Mariani. Healing Data Loss Problems in Android Apps. Proceedings of the International Workshop on Software Faults (IWSF), co-located with the International Symposium on Software Realiability Engineering (ISSRE), IEEE, pp146-152, 2016. ISBN 978-1-5090-3601-1.

[47] Leonardo Mariani, **Daniela Micucci**, Fabrizio Pastore. Early Conflict Detection with Mined Models. Proceedings of the International Symposium on Software Reliability Engineering (ISSRE), fast abstract, IEEE, pp126-127, 2014. ISBN 978-1-4799-7377-4

[48] Simone Bonetti, Francesco Fiamberti, **Daniela Micucci**, Francesco Tisato. *Robotic mapping: an architectural approach*. IEEE International Conference on Robotics and Automation (ICRA) - Eighth full-day Workshop on Software Development and Integration in Robotics (SDIR VIII), 2013

[49] Francesco Fiamberti, **Daniela Micucci**, Francesco Tisato. *A Time-driven Approach to Sensing Systems*. DSP Application Day, 2013, pp. 67-77, Maggioli Editore.

- **Ph.D Thesis**

[50] **Daniela Micucci**. *Mobile Robot Localisation And World Modeling in a Real-Time Software Architecture*. Supervisore: Francesco Tisato, Tesi di Dottorato in Matematica, Statistica, Scienze Computazionali ed Informatica, Università degli Studi di Milano, Febbraio 2004

– **NATIONAL PUBLICATIONS**

- **Conference Proceedings**

[51] Alessandra Agostini, Daniela Micucci, Alice Rolandi. La robotica educativa: un esperimento condotto nelle scuole primarie. In DIDAMATICA - Informatica per la Didattica - Nuovi Processi e Paradigmi per la Didattica 28° EDIZIONE, ISBN:978-88-98091-31-7, 2014, pp.551-560

II. BOOKS EDITOR

- Walter Savitch. Programmazione di base e avanzata con Java 2/Ed (D. Micucci, a cura di), Pearson Italia, 2018.
- Walter Savitch. Programmazione di base e avanzata con Java (D. Micucci, a cura di), Pearson Italia, 2014.
- Walter Savitch. Programmazione in Java 2/Ed (D. Micucci, a cura di), Pearson Italia, 2013.
- Walter Savitch, Programmazione in Java, (D. Micucci, a cura di), Pearson Italia, 2010.

III. INTERNATIONAL AWARDS AND RECOGNITIONS

AWARDS

- **Admitted to the Italian Grant “Fondo per il finanziamento delle attività base di ricerca del MIUR”, year 2017**
- **Paper invited for special issue** Oliviero Riganelli, Daniela Micucci, Leonardo Mariani. *Policy Enforcement with Proactive Libraries*. Proceedings of the 12th IEEE/ACM International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS2017), 2017, pp 182-192, DOI 10.1109/SEAMS.2017.9, ISBN 978-1-5386-1550-8
- **Paper invited for special issue** Marco Covelli, Daniela Micucci, Marco Mobilio. *An Architecture for the Design of Platforms Supporting Responsive Environments*. Proceedings of the 10th International Conference on Software Engineering and Applications, Part of 10th International Joint Conference on Software Technologies (ICSOFT-EA2015), 2015, pp.462-467, DOI:10.5220/0005099404170427, ISBN:978-989-758-036-9
- **Paper invited for special issue** Alessio Fanelli, Daniela Micucci, Marco Mobilio, Francesco Tisato. *Spatio-Temporal Normalization of Data from Heterogeneous Sensors*. Proceedings of the 9th International Conference on Software Engineering and Applications, Part of 9th International Joint Conference on Software Technologies (ICSOFT-EA2014), 2014, pp.417-427, ISBN:978-989-758-114-4
- **Best Paper Award** to Diego Bernini, Francesco Fiamberti, Daniela Micucci, Francesco Tisato, Alessio Vertemati. *Spaces-Based Communication: an Extension to Support Infinite Spatial Models*. Proceedings of the 7th International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM2013), 2013, pp.92-97, ISBN:978-1-61208-289-9
- **Granted with an annual scholarship** from Consorzio Milano Ricerche. Research theme: “Development of graphical user interfaces for real-time systems”, 1998-1999.

INVITED TO INTERNATIONAL EVENTS

- **Invited paper** at RV-TheTOP (RV-TheToP: Runtime Verification from the Theory To the industry Practice) track at the 8th International Symposium On Leveraging Applications of Formal Methods, Verification and Validation (ISoLA 2018), 2018. Title of the paper: Increasing the Reusability of Enforcers with Lifecycle Events. (Nov 5 - Nov 9, 2018 In Limassol, Cyprus)
- **Keynote speaker** at the 8th Workshop on the Reliability of Intelligent Environments co-located with the International Conference on Intelligent Environments. Title of the keynote: “Ambient Assisted Living for an Ageing Society: A Technological Overview”. 2019. <https://www.ugr.es/%7Eworie/2019/>

IV. RESEARCH PROJECTS

PROJECTS WITH ROLE OF COORDINATOR AND PRINCIPAL INVESTIGATOR

- Project **ATE – Athenaeum Projects “Validation of software architecture of time- e space-aware systems” (2015)**. The research aims to identify and then apply metrics to assess the quality of a set of architectural abstractions, which model, on the one hand, the aspects related to the temporal behavior of an application and, on the other, the spatial contextualization of application domain information. Daniela Micucci is the **principal investigator**.

PROJECT PARTICIPATION

- Project **Fondazione Cariplo Call 2017 “LONGEVICITY: Social Inclusion for the Elderly through Walkability” (04-2018-03-2021)**. The objective of the project is to develop artifacts that allow elderly people to have a socially active life through the concept of walkability. Partners: Università di Milano-Bicocca (PI), Politecnico di Milano, The University of Tokyo, Auser Lombardia. Daniela Micucci is a member of the Milano-Bicocca research unit.
- Project **POR FSER “SIDERA^B - Sistema Integrato DomiciliarE e Riabilitazione Assistita al Benessere” (2017)**. The project aims to design, develop, and validate a platform for continuity of care at home supported by innovative technologies for patients with chronic diseases of particular relevance to the national health service. Partners: VitaAire, FDG,

Università di Milano – Bicocca Politecnico di Milano, Grifo Multimedia, Amiko, LIUC e Tenacta Group. Daniela Micucci is a member of the Milano-Bicocca research unit.

- Project **POR FSER “TEINVEIN Tecnologie INnovative per i VEicoli Intelligenti” (2017)**. The aim of the project is to create a platform for an intelligent vehicle as a basic platform for the development of a fully autonomous vehicle. Advanced driver assistance systems (ADAS) monitor the physical and mental condition of drivers and passengers, obstacles and people on the road, and make it easier for disabled people to drive. They also interact with other vehicles and a control infrastructure. Partners: ST Microelectronics Srl (PI), OPTEC SpA, Cover Sistemi Srl., C.S. Milano Srl, Politecnico di Milano, Università di Milano - Bicocca, Ro Technology S.r.l., Adecco Professional Solutions Srl. Daniela Micucci is a member of the Milano-Bicocca research unit.
- Project **FSER “Food Design Arte - L'Arte del Benessere (FooDesArt)” (2016-2018)**. The objective of the project is to build an expert system able to recognize generic dishes, and possibly identify the main ingredients, either directly by analyzing the image or indirectly on the basis of a database of recipes. Partners: Fondazione Gualtiero Marchesi (PI), Università di Milano – Bicocca, HOOX Srl, and Peperosso Srl. Daniela Micucci is a member of the Milano-Bicocca research unit.
- Project **EU H2020 ERC Consolidator Grant “LEARN – Learning From Failing and Passing Executions At the Speed of Internet” (2014-2019)**. This project is about the definition of methodologies and techniques to move to the field the testing, analysis and fixing procedures typically performed in-house. Exploiting the user environment in the testing, analysis and fixing procedures offers important advantages related to the variety and veracity of the available data. Daniela Micucci is working on the project.
- Project **PRIN “GAUSS – Governing Adaptive and Unplanned Systems of Systems” (2017-2020)**. The project is about the definition of techniques and methods to control the development of systems of systems. Partners: Università degli Studi di Milano-Bicocca, Università degli Studi di Napoli Federico II, Consiglio Nazionale delle Ricerche, Libera Università di Bolzano, Università degli Studi di Bologna, Università degli Studi de L’ Aquila, Università degli Studi del Sannio di Benevento, Politecnico di Milano, Fondazione Bruno Kessler. Daniela Micucci is a member of the Milano-Bicocca research unit.
- Project **EU H2020 Innovation Action “NGPaaS – Next Generation Platform as a Service” (2017-2019)**. This project is about the definition of a new generation of Cloud systems that satisfy advanced flexibility and efficiency requirements. The main domains considered in the project are telecommunication, IoT and Smart Cities. Partners: Alcatel-Lucent Bell Labs France, OnApp Limited, Virtual Open Systems SARL, Alcatel-Lucent Israel LTD, Orange SA, Atos Spain SA, B-COM, Danmarks Tekniske Universitet, Interuniversitair Microelectronic Centrum IMEC VZW, Università di Milano-Bicocca, Vertical M2M, British Telecommunications Public Limited Company. Daniela Micucci is a member of the Milano-Bicocca research unit.
- Project **POR FESER “Feedin’Italy” (2014-2017)**. This project concerns the definition of services aimed at improving the overall food experience of consumers and at strengthening their ability to choose by acting on awareness, and finally at directing them towards appropriate eating habits. Partners: Fondazione Gualtiero Marchesi (PI), Università di Milano – Bicocca, Phaos Vision, Serist Srl. Daniela Micucci has been a member of the Milano-Bicocca research unit.
- Project **EU FP7 ENIAC “TOISE – Trusted Computing for European Embedded Systems” (2010-2013)**. This project was about the definition of secure embedded applications. Partners: Azcom Technology CEA-LETI, EADS Defense and Security Systems, EADS France Innovation Works, Gemalto, Hellenic Aerospace Industry, Institute of Communication and Computer, Systems Magillem Design Services, Numonyx, Politecnico di Milano, Proton World International, Secure-IC, Spanish High Council for Scientific Research (CSIC), STMicroelectronics France, STMicroelectronics Italy, Tecnologías Servicios Telepáticos y Systems, Telecom ParisTech, Thales, University of Cantabria, University of Milano-Bicocca. Daniela Micucci has been a member of the Milano-Bicocca research unit.
- Project **EU FP7 ENIAC “SMART – Secure memories and applications-related technologies” (2010-2013)**. The objective of the project was to develop a new generation of SSD devices that will allow safe operations with other devices connected to the technological infrastructure. Partners: Aristotle University, CNES, Gemalto, Integrated Systems Development, MultiCert, Numonyx, STMicroelectronics France, STMicroelectronics Italy, Teletel, Thales Communications, University of Milano-Bicocca, University of Minho. Daniela Micucci has been a member of the Milano-Bicocca research unit.
- Project **POR FESR Regione Lombardia “Smeller – Sistema di Monitoraggio Emissioni di singoLi veicoLi in tEmpo Reale” (2011-2013)**. The objective of the project was to create a system to monitor in urban areas the emissions of vehicles acquired in real time from sensory components in the field. The system had to be able to identify polluting vehicles in order to take immediate or delayed measures to stop them and to obtain information useful for controlling pollution. Partners: Joint Research Centre (JRC Ispra), Stazione Sperimentale per i Combustibili (SSC), Università di Milano-Bicocca. Daniela Micucci has been a member of the Milano-Bicocca research unit.
- Project **Industria 2015 Ministero dello Sviluppo Economico (MISE) “IMPULSO – Integrated Multimodal Platform for Urban and Extra Urban Logistic System Optimisation” (2009-2013)**. The objective of the project was to define innovative models and tools for the optimization of goods transport and distribution, both in suburban and urban

areas, and related logistics processes. Partners: Vitrociset S.p.A., Info Solution S.p.A., Optisoft S.r.l., Italdata S.p.A., Click & Find S.r.l., Project Automation S.p.A., Powersoft S.r.l., C.I.P.I. Centro Interuniversitario sull'Ingegneria delle Piattaforme Informatiche, TXT e-Solutions S.p.A., Consorzio Milano Ricerche, Planetek Italia S.r.l., Università di Palermo, Softeco Sismat S.p.A., Aitek S.p.A., I.Log Iniziative Logistiche S.r.l., Telespazio S.p.A., Eltag-Datamat S.p.A., Globo Informatica S.r.l., CATTID - Università di Roma "La Sapienza", EAT European Advanced Technologies S.r.l., Media Plus S.r.l., Creasys S.r.l., ACT Solutions S.r.l., C.N.R. – I.C.T. Consiglio Nazionale delle Ricerche Dip.to Tecnologie Informatiche e Comunicazione. Daniela Micucci has been a member of the Milano-Bicocca research unit.

- Project **FAR "InSyEme – Integrated Systems for Emergency" (2009-2013)**. The aim of the project is to study, model and prototype an integrated system to support interventions in case of emergency. The system, through the use of new technologies and the implementation of new models, allows the integration of the different legacy systems used by different operators for emergency management and the subsequent optimization of the response time and the resources used. Partners: Italdata S.p.a, Innova Consorzio per l'Informatica e la Telematica, Università degli Studi di Firenze, Consorzio Milano Ricerche, Politecnico di Milano, Università di Milano Bicocca. Daniela Micucci has been a member of the Consorzio Milano Ricerche research unit.
- Project **FIRB "InSyEme – Integrated Systems for Emergency" (2008-2011)**. The project aimed at studying and experimenting innovative methodologies and tools for the creation of integrated systems for the prevention and management of emergencies caused by natural disasters. Partners: Università di Firenze, Consorzio Milano Ricerche, Politecnico di Milano, Università di Pisa, Università di Roma – La Sapienza, Università di Salerno. Daniela Micucci has been a member of the Consorzio Milano Ricerche research unit.
- Project **Metadistretti Regione Lombardia "TRADE – Tracking RFID-based Agents in Distributed Environments" (2006-2008)**. The research project aimed at exploring and deepening innovative technologies and themes, aimed at discovering models, algorithms, and solutions able to manage, automate, and optimize some processes involved in the Supply Chain. Partners: SEAM S.p.A., Gruppo Intelfin, Microsystems S.r.l., Siemens IT Solutions and Services S.p.A., Università di Milano-Bicocca, Consorzio Milano Ricerche. Daniela Micucci has been a member of the Milano-Bicocca research unit.
- Project **FIRB "MAIS – Multichannel Adaptive Information Systems" (2002-2006)**. The objective of the project was to develop models, methods and tools that would allow the creation of adaptive multi-channel information systems, capable of providing services even under conditions of great variability in network access and access devices. Partners: Cefriel, Engineering Ingegneria Informatica Spa, Politecnico di Milano, ST Microelectronics S.r.l., Università degli Studi di Lecce, Università degli Studi Di Milano-Bicocca, Università degli studi Di Roma "La Sapienza", Università degli studi Roma Tre. Daniela Micucci has been a member of the Milano-Bicocca research unit.
- Project **MAP "Sviluppo di un sistema integrato di elaborazione delle immagini 3D, modulare adattabile alle diverse applicazioni" (2002-2005)**. The project involved research on basic technologies for the acquisition, processing and transmission of digital images, on the management of databases of images and multimedia data, on computational technologies for image understanding, and on software architectures for image processing systems. Partners: Comerson, Consorzio Milano Ricerche e Università di Milano – Bicocca. Daniela Micucci has been a member of the Milano-Bicocca research unit.
- Project **FSE "Dallo Stage al Job Placement" (2005-2006)**. The aim of the project was to improve the ability of the training institutions to provide end users with an effective service for the purpose of job placement. Partners: Università di Milano - Bicocca, il Consorzio Scuole Lavoro Milano – CSL, il Centro di Formazione Professionale B. e F. Vigorelli. Daniela Micucci has been a member of the Milano-Bicocca research unit.
- Project co-founded **MURST "RAID - Rilevamento dati Ambientali con Interfaccia DECT" (1999-2001)**. The aim of the research was the design and implementation of an integrated system for indoor environmental monitoring based on innovative sensors and wireless transmission. Partners: Siemens, Johnson Controls, Università di Milano – Bicocca, l'Università del Sacro Cuore di Roma. Daniela Micucci has been a member of the Milano-Bicocca research unit.
- Project **EU FP4 "ESCORT – European Standard Controller for Intersections with Advanced Road Traffic Sensors"**. The objective of the project was to define a unified UML model and its design and implementation in C++-DCom, in order to integrate video-based applications for traffic control at the intersection level developed by different institutions and on different technological platforms. Partners: Consorzio Milano Ricerche, Project Automation, ETRA, INRETS, ATM Milano. Daniela Micucci has been a member of the Consorzio Milano Ricerche research unit.
- Project **EC FSE "ERP - Costruzione di un modello di formazione continua applicata all'Enterprise Resource Planning" (1999 –2000)**. The objective of the project was to analyze the training needs in the Enterprise Resource Planning sector. It concerned, in particular, the definition of a training model and the design and prototyping of a tool for the definition of personalized curricula aimed at satisfying specific personal and corporate objectives. Partners: C.F.P. "Vigorelli", Università Cattolica di Milano, Consorzio BIL, SAP Italia, Gartner Group e IFOA. Daniela Micucci has been a member of the C.F.P. "Vigorelli" research unit.
- Project **CNR (Consiglio Nazionale delle Ricerche) "Progetto Finalizzato Trasporti II" (1997-1999)**. The objective was to define and implement an IT infrastructure to support the integration of tools for the organization, analysis, simulation,

filtering and dissemination of value-added information on urban traffic. Daniela Micucci has been a member of the Consorzio Milano Ricerche research unit.

ATHENAEUM RESEARCH PROJECTS PARTICIPATION

- Project ATE “**Software testing**” (2017). Principal investigator Prof. Leonardo Mariani.
- Project ATE “**Verification of ultra-large systems**” (2016). Principal investigator Prof. Leonardo Mariani.
- Project ATE “**Quality of software architecture of time- and space-aware systems**” (2014). Principal investigator Prof. Francesco Tisato.
- Project ATE “**Quality of software architecture of time-critical systems**” (2013). Principal investigator Prof. Francesco Tisato.
- Project ATE “**Design and reconstruction of software architectures of integrated and adaptive supervision and control systems**” (2011). Principal investigator Prof. Francesco Tisato.
- Project ATE “**Design and reconstruction of software architectures of integrated and adaptive supervision and control systems**” (2010). Principal investigator Prof. Francesco Tisato.
- Project ATE “**Design and reconstruction of software architectures of adaptive and real-time systems**” (2009). Principal investigator Prof. Francesco Tisato.

V. SERVICES TO THE COMMUNITY

EDITOR ACTIVITY

- Guest editor of the special issue on *Reliability on pervasive well-being: will it soon become a reality?: State of the art and open issues* for the Journal of Reliable Intelligent Environments (JoRIE), Flavio Corno and Daniela Micucci (eds), 2019 (5)
- Member of the editorial board of the Springer Journal on Reliable Intelligent Environments (JoRIE), from 2014
- Guest editor of the special issue on *Software and system engineering: an ontological perspective* for the journal Knowledge Engineering Review, Daniela Micucci, Fabio Sartori, and Marzia Adorni (eds), 24(1), march 2009
- Guest editor of the special issue on *Software and system engineering: an ontological perspective* for the journal Knowledge Engineering Review, Daniela Micucci, Fabio Sartori, and Marzia Adorni (eds), 24(3), september 2009

CHAIR

- Program Chair I-Cities 2020 (Italian Conference on ICT for Smart Cities And Communities)
- Co-chair International Workshop o Artificial intelligence for an Aging Society, co-located with the 6th International Conference on Internet Science, 2019. From 05-12-2019 to 05-12-2019
- Program Chair I-Cities 2019 (Italian Conference on ICT for Smart Cities And Communities)
- Co-chair International Workshop on Experiences in Multimodal Architecture and Interfaces, 2015, Università di Milano-Bicocca (<http://www.ivl.disco.unimib.it/emai15/>). From 20-11-2015 to 20-11-2015
- Co-chair 2nd International Workshop on Ontology, Conceptualization and Epistemology for Software and System Engineering (ONTOSE 2007), Università di Milano-Bicocca (<http://www.lintar.disco.unimib.it/ONTOSE07/>). From 27-06-2007 to 28-06-2007

PROGRAM COMMITTEE MEMBER

- Mining Software Repositories (MSR), Data Showcase track 2020, co-located with ICSE
- 16th International Conference on Intelligent Environments (IE), 2020
- 6th International Conference on Internet Science (INSCI), 2019
- 15th International Conference on Intelligent Environments (IE), 2019
- 9th Workshop on the Reliability of Intelligent Environments (WoRIE), 2019
- 13th International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM), 2019
- 8th Workshop on the Reliability of Intelligent Environments (WoRIE), 2018
- 12th International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM), 2018
- 7th Workshop on the Reliability of Intelligent Environments (WoRIE), 2017
- 11th International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM), 2017
- 6th Workshop on the Reliability of Intelligent Environments (WoRIE), 2016

- 10th International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM), 2016
- 5th Workshop on the Reliability of Intelligent Environments (WoRIE), 2015
- 9th International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM), 2015
- 4th Workshop on the Reliability of Intelligent Environments (WoRIE), 2014
- 8th International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies (UBICOMM), 2014
- 3rd Workshop on the Reliability of Intelligent Environments (WoRIE), 2013
- 2nd Workshop on the Reliability of Intelligent Environments (WoRIE), 2012
- 7th Workshop on Ontology, Conceptualization and Epistemology for Information Systems, Software Engineering and Service Science (ONTOSE), 2012
- 6th Workshop on Ontology, Conceptualization and Epistemology for Information Systems, Software Engineering and Service Science (ONTOSE), 2011
- 7th Symposium on Theory of Modeling and Simulation (DEVS-TMS), 2011
- 6th International Conference on Software and Data Technologies (ICSOFIT), 2011
- 7th International Wireless Communications & Mobile Computing Conference (IWCMC), 2011
- 6th International Wireless Communications & Mobile Computing Conference (IWCMC), 2010
- 6th Symposium on Theory of Modeling and Simulation (DEVS-TMS), 2010
- 4th International Conference on Metadata and Semantics Research (MTSR), 2010
- 5th Workshop on Ontology, Conceptualization and Epistemology for Information Systems, Software Engineering and Service Science (ONTOSE), 2010
- 3rd International Conference on Metadata and Semantics Research (MTSR), 2009
- 4th Workshop on Ontology, Conceptualization and Epistemology for Information Systems, Software Engineering and Service Science (ONTOSE), 2009
- 13th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA), 2008

JOURNAL REVIEWER ACTIVITY

Daniela Micucci is a reviewer for IEEE Transactions on Software Engineering (TSE), IEEE Transactions on Services Computing (TSC), Pattern Analysis and Applications (PAAA), Software Practice & Experience (SP&E), Journal of Reliable Intelligent Environments (JoRIE), Sensors, and Program.

PH.D. REVIEWER ACTIVITY

Daniela Micucci worked as a reviewer for the doctoral thesis of Dedabrishvili Mariam (International Black Sea University, Georgia) in the year 2018.

VI. TEACHING ACTIVITY

PROFESSOR

– A.A. 2019-2020

- Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (16 hours, surnames A-L)
- Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (16 hours, surnames M-Z)
- Università degli Studi di Milano Bicocca, III° year BSC program in Computer Science, Teacher of the course **Programmazione di Dispositivi Mobili** (32 hours)
- Università degli Studi di Milano Bicocca, II° year MSC program in Computer Science, Teacher of the course **Architettura del Software** (32 hours, single turn)

– A.A. 2018-2019

- Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (16 hours, surnames A-L)
- Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (16 hours, surnames M-Z)
- Università degli Studi di Milano Bicocca, II° year MSC program in Computer Science, Teacher of the course **Architettura del Software** (32 hours, single turn)

– A.A. 2017-2018

- Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (16 hours, surnames A-L)
- Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (16 hours, surnames M-Z)
- **A.A. 2016-2017**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (16 hours, surnames A-L)
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (16 hours, surnames M-Z)
 - Università degli Studi di Milano Bicocca, 1° year MSC program in Computer Science, Teacher of the course **Architetture del Software** module of the course **Architetture del Software e dei Dati** (24 hours, single turn)
- **A.A. 2015-2016**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (16 hours, surnames A-L)
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (16 hours, surnames M-Z)
 - Università degli Studi di Milano Bicocca, II° year BSC program in Mathematics, Teacher of the course **Algoritmi e Programmazione** (24 hours, single turn)
- **A.A. 2014-2015**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (14 hours, turn 1)
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (14 hours, turn 2)
 - Università degli Studi di Milano Bicocca, II° year BSC program in Mathematics, Teacher of the course **Algoritmi e Programmazione** (21 hours, single turn)
- **A.A. 2013-2014**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (16 hours, surnames A-L)
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (16 hours, surnames M-Z)
 - Università degli Studi di Milano Bicocca, II° year BSC program in Mathematics, Teacher of the course **Algoritmi e Programmazione** (24 hours, single turn)
- **A.A. 2012-2013**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (32 hours, surnames A-L)
 - Università degli Studi di Milano Bicocca, II° year BSC program in Mathematics, Teacher of the course **Algoritmi e Programmazione** (24 hours, single turn)
- **A.A. 2011-2012**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Programmazione 2** (32 hours, surnames M-Z)
 - Università degli Studi di Milano Bicocca, II° year BSC program in Mathematics, Teacher of the course **Algoritmi e Programmazione** (24 hours, single turn)
- **A.A. 2010-2011**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Progettazione** module of the course **Programmazione** (24 hours, turn 2)
 - Università degli Studi di Milano Bicocca, II° year BSC program in Mathematics, Teacher of the course **Algoritmi e Programmazione** (24 hours, single turn)
 - Università degli Studi di Milano Bicocca, II° year MSC program in Computer Science, Teacher of the course **Laboratorio di Progettazione** module of the course **Progetto e Sviluppo del Software** (24 hours, turn 2)
- **A.A. 2009-2010**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teacher of the course **Progettazione** module of the course **Programmazione** (24 hours, turn B)
 - Università degli Studi di Milano Bicocca, II° year BSC program in Mathematics, Teacher of the course **Algoritmi e Programmazione** (24 hours, single turn)

- Università degli Studi di Milano Bicocca, II° year MSC program in Computer Science, Teacher of the course **Laboratorio di Progettazione** module of the course **Progetto e Sviluppo del Software** (24 hours, turn B)
- **A.A. 2008-2009**
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teacher of the course **Progettazione** module of the course **Programmazione** (24 hours, turn B)
 - Università degli Studi di Milano Bicocca, II° year BSC program in Mathematics, Teacher of the course **Algoritmi e Programmazione** (30 hours, single turn)
 - Università degli Studi di Milano Bicocca, I° year MSC program in Computer Science, Teacher of the course **Laboratorio di Progettazione** module of the course **Progetto e Sviluppo del Software** (24 hours, turn B)
- **A.A. 2007-2008**
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teacher of the course **Progettazione** module of the course **Programmazione** (24 hours, turn b)
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teacher of the course **Programmazione 2** module of the course **Programmazione** (16 hours, turn b)
 - Università degli Studi di Milano Bicocca, II° year BSC program in Mathematics, Teacher of the course **Algoritmi e Programmazione** (30 hours, single turn)
 - Università degli Studi di Milano Bicocca, II° year MSC program in Computer Science, Teacher of the course **Laboratorio di Progettazione** (16 hours, single turn)
- **A.A. 2006-2007**
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teacher of the course **Progettazione** module of the course **Programmazione** (24 hours, turn b)
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teacher of the course **Programmazione 2** module of the course **Programmazione** (16 hours, turn b)
 - Università degli Studi di Milano Bicocca, II° year BSC program in Mathematics, Teacher of the course **Algoritmi e Programmazione** (30 hours, single turn)
 - Università degli Studi di Milano Bicocca, I° year MSC program in Computer Science, Teacher of the course **Laboratorio di Progettazione** (16 hours, single turn)
- **A.A. 2005-2006**
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teacher of the course **Programmazione 2** module of the course **Programmazione** (16 hours, turn b)
 - Università degli Studi di Milano Bicocca, II° year BSC program in Mathematics, Teacher of the course **Algoritmi e Programmazione** (30 hours, single turn)
- **A.A. 2004-2005**
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teacher of the course **Programmazione Elementi** module of the course **Programmazione** (32 hours, turn b)
- **A.A. 2003-2004**
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teacher of the course **Programmazione Elementi** module of the course **Programmazione** (32 hours, turn c)
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teacher of the course **Programmazione Complementi** module of the course **Programmazione** (32 hours, turn c)

TEACHING ASSISTANT

- **A.A. 2014-2015**
 - Università degli Studi di Milano Bicocca, II° year MSC program in Computer Science, Teaching assistant of the course **Laboratorio di Progettazione** (8 hours)
- **A.A. 2013-2014**
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teaching assistant of the course **Programmazione 2** (16 hours, surnames A-L)
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teaching assistant of the course **Programmazione 2** (16 hours, surnames M-Z)
 - Università degli Studi di Milano Bicocca, II° year MSC program in Computer Science, Teaching assistant of the course **Laboratorio di Progettazione** (8 hours)
- **A.A. 2012-2013**

- Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Programmazione 2** (24 hours, surnames A-L)
- **A.A. 2011-2012**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Sistemi Integrati di Supervisione e Controllo** (24 hours, single turn)
- **A.A. 2010-2011**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Progettazione** module of the course **Programmazione** (24 hours, turn 2 group A)
- **A.A. 2009-2010**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Progettazione** module of the course **Programmazione** (24 hours, turn B)
 - Università degli Studi di Milano Bicocca, 1° year MSC program in Computer Science, Teaching assistant of the course **Architetture Software** module of the course **Architetture Hardware e Software** (12 hours, single turn)
- **A.A. 2008-2009**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Progettazione** module of the course **Programmazione** (24 hours, turn B)
 - Università degli Studi di Milano Bicocca, 1° year MSC program in Computer Science, Teaching assistant of the course **Architetture Software** module of the course **Architetture Hardware e Software** (12 hours, single turn)
- **A.A. 2006-2007**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Programmazione 2** module of the course **Programmazione** (12 hours, turn b)
 - Università degli Studi di Milano Bicocca, 1° year MSC program in Computer Science, Teaching assistant of the course **Laboratorio di Progettazione** (24 hours, single turn)
- **A.A. 2005-2006**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Programmazione 1** module of the course **Programmazione** (12 hours, turn a)
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Programmazione 2** module of the course **Programmazione** (12 hours, turn a)
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Programmazione 2** module of the course **Programmazione** (12 hours, turn b)
 - Università degli Studi di Milano Bicocca, 1° year MSC program in Computer Science, Teaching assistant of the course **Laboratorio di Progettazione** (24 hours, single turn)
- **A.A. 2004-2005**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Programmazione Elementi** module of the course **Programmazione** (12 hours, turn b)
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Programmazione Complementi** module of the course **Programmazione** (12 hours, turn a)
 - Università degli Studi di Milano Bicocca, 1° year MSC program in Computer Science, Teaching assistant of the course **Laboratorio di Progettazione** (24 hours, single turn)
- **A.A. 2003-2004**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Programmazione Elementi** module of the course **Programmazione** (12 hours, turn c)
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Programmazione Complementi** module of the course **Programmazione** (12 hours, turn c)
- **A.A. 2002-2003**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Programmazione Elementi** module of the course **Programmazione** (12 hours, turn a)
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Programmazione Complementi** module of the course **Programmazione** (12 hours, turn a)
- **A.A. 2001-2002**
 - Università degli Studi di Milano Bicocca, 1° year BSC program in Computer Science, Teaching assistant of the course **Programmazione Elementi** module of the course **Programmazione** (12 hours, turn b)

TEACHING ASSISTANT IN LABORATORY

- **A.A. 2019-2020**
 - Università degli Studi di Milano Bicocca, II° year MSC program in Computer Science, Teaching assistant of the course **Laboratorio di Progettazione** (12 hours)
- **A.A. 2018-2019**
 - Università degli Studi di Milano Bicocca, II° year MSC program in Computer Science, Teaching assistant of the course **Laboratorio di Progettazione** (12 hours)
- **A.A. 2017-2018**
 - Università degli Studi di Milano Bicocca, II° year MSC program in Computer Science, Teaching assistant of the course **Laboratorio di Progettazione** (12 hours)
- **A.A. 2016-2017**
 - Università degli Studi di Milano Bicocca, II° year MSC program in Computer Science, Teaching assistant of the course **Laboratorio di Progettazione** (12 hours)
- **A.A. 2015-2016**
 - Università degli Studi di Milano Bicocca, II° year MSC program in Computer Science, Teaching assistant of the course **Laboratorio di Progettazione** (12 hours)
- **A.A. 2014-2015**
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teaching assistant of the course **Programmazione 2** (16 hours, turn 2 group A)
- **A.A. 2012-2013**
 - Università degli Studi di Milano Bicocca, II° year MSC program in Computer Science, Teaching assistant of the course **Laboratorio di Progettazione** (48 hours)
- **A.A. 2007-2008**
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teaching assistant of the course **Programmazione 1** module of the course **Programmazione** (24 hours, turn a)
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teaching assistant of the course **Programmazione 2** module of the course **Programmazione** (24 hours, turn a)
- **A.A. 2001-2002**
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teaching assistant of the course **Programmazione Complementi** module of the course **Programmazione** (12 hours, turn b)
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teaching assistant of the course **Programmazione Complementi** module of the course **Programmazione** (12 hours, turn c)
- **A.A. 2000-2001**
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teaching assistant of the course **Programmazione I** (40 hours)
- **A.A. 1999-2000**
 - Università degli Studi di Milano Bicocca, I° year BSC program in Computer Science, Teaching assistant of the course **Programmazione I** (40 hours)

OTHER TEACHING ACTIVITY

- **A.A. 2012-2013**
 - **Teacher** of the module **Sistemi Operativi** in the context of the project entitled “Corso IFTS Tecnico superiore per le telecomunicazioni”, (20 hours, single turn) **2012-2013** (project ID: 01 2012-2013, action ID: 5411)
- **A.A. 2011-2012**
 - **Teacher** of the module **Sistemi Operativi** in the context of the project entitled “Corso IFTS Tecnico superiore per le telecomunicazioni”, (20 hours, single turn) **2011-2012** (project ID: 01 2011-2012, action ID: 120112012)
- **A.A. 2006-2007**
 - **Teacher** in the context of the project entitled “Dispositivo per il sistema di formazione a scelta individuale – 2006 della Regione Lombardia”, Vaucher 1356 titled **Analisi e progettazione Object-Oriented in UML**
- **A.A. 2005-2006**
 - **Teacher** for the Ph.D. in computer science course “**Sistemi in tempo reale: modelli, architetture, progettazione**”. Supervisor: Professor F. Tisato

- A.A. 2004-2005
 - **Teacher** for the Ph.D. in computer science course “**Sistemi in tempo reale: modelli, architetture, progettazione**”. Supervisor: Professor F. Tisato
- A.A. 2003-2004
 - **Teacher** for the Ph.D. in computer science course “**Sistemi in tempo reale: modelli, architetture, progettazione**”. Supervisor: Professor F. Tisato
- A.A. 2001-2002
 - **Teacher** of the module “**Progettazione ad oggetti e programmazione Java**” for the IFT course n° 68 “Applicazioni Object-Oriented per Internet” which took place in collaboration between Università Milano - Bicocca and Centro di Formazione Professionale della Regione Lombardia “Vigorelli”
- A.A. 2000-2001
 - **Pre-courses** on “**Introduzione all’informatca**” for the first-year students of the BSC program in Computer Science
- A.A. 1999-2000
 - **Pre-courses** on “**Introduzione all’informatca**” for the first-year students of the BSC program in Computer Science
 - **Teacher** of the modules “**Progettazione ad oggetti**”, “**Programmazione ad oggetti in Java**” e “**Progettazione interfacce utenti e Ambienti di sviluppo per Internet: Applet**” in the context of the IFTS course n° 11 “**Impresa e Internet**” which took place in collaboration between Università Milano - Bicocca and Centro di Formazione Professionale della Regione Lombardia “Vigorelli”

VII. TECHNOLOGY TRANSFER ACTIVITIES

COURSES IN INDUSTRY

From 1989 to 2004, she carried out an intense **teaching activity** both at public institutions (**Joint Research Centre of Ispra, Professional Training Centres of the Lombardy Region and the Piedmont Region**) and at numerous private companies (**Finsiel, Hewlet Packard, Telecom, IBM, Alcatel, Vodafone Omnitel, GTS, Fastweb, Philips, ecc.**) mainly in Italian. Her teaching topics included mainly: object-oriented analysis and design with UML, Object-Oriented Programming in Java, Computer Networks, Internet/Intranet, Web Applications.

COURSES DESIGN ACTIVITIES

- In the years 1999 - 2003 she has collaborated with Teach S.r.l. for the design (and relative teaching) of courses on computer networks at companies such as Fastweb, Pronto Omnitel, and Philips
- In the years 1999 - 2000 he conceived, designed, coordinated and lectured for the FSE course entitled “**Installatore di reti locali**” in collaboration with Centro di formazione Professionale della Regione Lombardia Achille Grandi;
- In the years 1998 - 1999 he conceived, designed, coordinated and lectured for the FSE course entitled “**Tecnico installatore di hw e sw e reti su piattaforme Windows**” in collaboration with Centro di Formazione Professionale della Regione Lombardia Achille Grandi.

COLLABORATION

- **Principal investigator** of the **scientific collaboration** between the Università di Milano-Bicocca and the association **Street Food SQUARE** with the aim of creating tools for the collection, management, and dissemination of data relating to the phenomenon of trade and consumption of street food for purposes of research, monitoring, development, and promotion of the sector. From 1-1-2014 to 31-12-2015.

PAID RESEARCH PROGRAM

- **Principal investigator** of the **research program** titled “**Valutazione di una architettura software per la gestione di flussi video**” signed between Bettini s.r.l. (with registered office at Via Marco Ulpio Traiano 16, Milan, Italy, tax code, VAT number and Company Reg. no. 11883080159, REA no. 1506925 - a company operating in the industrial sector for the production of video surveillance systems) and the University of Milano – Bicocca. Form 10-10-2012 to 15-12-2012.

VIII. SUPERVISION OF STAFF MEMBERS AND STUDENTS

PH.D. STUDENTS

- **Anna Ferrari**, XXXIII cycle, **advisor**: Daniela Micucci, title of the thesis (tentative): The effect of personalization in ADL classification from multimodal sources, 2017-incorso.

- **Davide Ginelli**, XXXIII cycle, **co-advisor**: Daniela Micucci, title of the thesis (tentative): Self-Repairing Software, 2017-still running.
- **Oscar Cornejo Olivares**, XXXI cycle, **co-advisor**: Daniela Micucci, title of the thesis (tentative): Efficient and Effective Field Monitoring, 2015-still running.
- **Marco Mobilio**, XXIX cycle, **advisor**: Daniela Micucci, title of the thesis: Software architecture for embedded systems supporting assisted living, 2014 - 2016

SCHOLARSHIP HOLDERS

- Supervisor of **Alessandro Tundo**, winner of the GARR "Orio Carlini" scholarship for research and training activities on the theme "Analisi e progettazione dello sviluppo di WikiToLearn in sistemi cloud.-based e l'integrazione in piattaforme e-learning". From 15-02-2017 to 14-02-2019.
- Supervisor of **Hamza Amrani**, winner of a scholarship for research and training activities on the theme "Sviluppo di un framework per la gestione e l'analisi di dati comportamentali". Dal 01-11-2019 al 31-10-2020.

THESIS

Daniela Micucci has supervised more than 260 BS theses in Computer Science and Mathematics and more than 60 MS theses in Computer Science.

IX. MANAGEMENT AND ORGANIZATIONAL ACTIVITIES

- **President** of the **web site committee**. From 10-2018.
- **Member** of the **Academic Senate** for the **three-year period 2018-2021**
- **Co-organizer** of the second edition of the university competition **CINI Smart City University Challenge**. It is a University challenge organized by the CINI Smart Cities and Communities Laboratory in collaboration with the University of Milano-Bicocca and co-locate with the I-Cities 2018 conference. From 09-2017 to 09-2018.
- **Member** of the **Commissione Paritetica** of the Department of Informatics, Systems and Communication (2015-2018)
- **Department contact** for the **Public Engagement**. Organization of several national and international events including the Web Conference, Word Cmp, Google Dev Fest, and BiblioHackDay. From 2015.
- **Elected member** for the **Giunta di Dipartimento** for the three-year periods 2015-2018 and 2018-2021.
- **Member** of the Department **teaching commission**. From 11-2015 to 09-2018.
- **President** of the **thesis and internship committee**. From 2015.
- **Member** of the **thesis and internship committee**. From 2011 to 2015.
- **Member** of the **Commission for the Review of the Master's Degree in Computer Science**. Until 09-2018
- **Supervisor** of the development of the official applications supporting the mobility and environmental quality of the Università di Milano - Bicocca. From 2016.
- **Supervisor** of the development of the official Athenaeum application **UniMiB Life** of the Università di Milano - Bicocca. From 2015.
- **Supervisor** of the development of the University of Milano – Bicocca applications (UniMiB Academic Programs, MalDiving, Fish Edition, MalDiving Coral Edition and Street Food MApp) presented at EXPO 2015. From 2014 to 2015.
- **Responsible** for the Department of Systematic Informatics and Communication of the University of Milan Bicocca for the entrance tests for first year students of BS program in Computer Science. The activity involved the coordination with the other degree courses with a planned number of students in the Science area for the unified provision of the test. Period: A.A. 2013-2014 e 2014-2015.
- **Coordination of the project** IFTS course titled "Tecnico per la progettazione e lo sviluppo di applicazioni informatiche – Corso per app developer: programmare e pubblicare applicazioni mobile", **2014-2015** (project ID: 04 2014-2015, action ID: 5764)
- **Coordination of the project** IFTS course titled "Tecnico superiore per le telecomunicazioni", **2013-2014** (project ID: 01 2013-2014, action ID: 5608)
- **Coordination of the project** IFTS course titled "Tecnico superiore per le telecomunicazioni", module "Architettura e progettazione orientata a oggetti", **2012-2013** (project ID: 01 2012-2013, action ID: 5411)
- **Coordination of the project** IFTS course titled "Tecnico superiore per le telecomunicazioni", module "Tecnologie per la connettività delle piccole e medie imprese", **2011-2012** (project ID: 01 2011-2012, action ID: 120112012)
- **Tutoring** of the student Lo Russo Giuseppe Samuele within the experimental project titled "**Lauree in Apprendistato**", **2012-2014** (project ID: 167_2011_01, action ID: 5417)
- **Tutoring** of the student Tortelli Donato within the experimental project titled "**Lauree in Apprendistato**", **2012-2014** (project ID: 167_2011_02, action ID: 5416)

- **Concept and design** of the training plan for the student Lo Russo Giuseppe Samuele within the experimental project titled “**Lauree in Apprendistato**”, **2012** (project ID: 167_2011_01, action ID: 5417)
- **Concept and design** of the training plan for the student Tortelli Donato within the experimental project titled “**Lauree in Apprendistato**”, **2012** (project ID: 167_2011_02, action ID: 5416)
- **Member** of the **CINI laboratory on Artificial Intelligence** since July 2018
- **Member** of the **CINI laboratory on Smart Cities** since October 2018
- **Founding member** of the **CSAI** (Complex Systems & Artificial Intelligence) directed by the Prof. Stefania Bandini. From 2007.
- **Member** of the **Centro di ricerca interdipartimentale CResM** (Cultural Resource Management) directed by prof. Carla Simone). From 2009.
- **Member** of the **spaces committee** with the task of organizing the relocation of the department to the new headquarters. From 09-2004 to 09-2007.
- **Member** of the Committee in charge of updating the regulation of the Department of Informatics, Systems and Communication. From 09-2004 to 05-2005.
- **Director** of the actions of the **FSE advanced integrated training**. Direct actions: Laboratorio professionalizzante di Programmazione 1, Laboratorio professionalizzante di Programmazione 2, Laboratorio professionalizzante di Programmazione 3 for the BS program in Computer science and Algoritmi e Programmazione the BS program in Mathematics. From 2006 to 2008.
- **Director** of the activities related to the restructuring of the first year courses of the BS program in Computer Science. From 09-2005 to 08-2006.
- **Head** of Transversal Laboratory, first year of the BS program in Computer Science. From 09-2005 to 08-2008
- **Project Coordinator** Course IFTS n. 68 "Applicazioni Object-Oriented per Internet" held in collaboration between the University of Milan-Bicocca and Centro di Formazione Professionale della Regione Lombardia “Vigorelli”. From 09-2001 to 08-2002
- **Project Coordinator** Course IFTS n. 11 "l Impresa e Internet" held in collaboration between the University of Milan-Bicocca and Centro di Formazione Professionale della Regione Lombardia “Vigorelli”. From 09-1999 to 08-2000
- **Tutoring** for the **Progetto Nazionale CAMPUS 98** for the BS program in Computer Science. A.Y. 1998/1999
- **Tutoring** for the **Progetto Nazionale CAMPUS 97** for the BS program in Computer Science. A.Y. 1997/1998