

General Information

1.1. Anagraphics

Lastname and Name	Maria Teresa Baldassarre
Place and Date of Birth	Edmonton (Canada), 01 May 1976
e-mail	mariateresa.baldassarre@uniba.it

1.2. Current Position

From January 2004 – March 2020 , Assistant Professor, at the Department of Informatics, University of Bari – Aldo Moro, Bari Italy;

From March 2020 Associate Professor, at the Department of Informatics, University of Bari – Aldo Moro, Bari Italy;

1.3. Titles

PhD : PhD Doctorate in Informatica (XVIII ciclo), Dipartimento di Informatica, Università degli Studi di Bari, Title of Thesis: "Multiview Framework as Supporto to Software Quality".

Laurea : Laurea in Informatica, at the Università degli Studi di Bari il 12/10/2001, with honors.

Research

The research activity of Maria Teresa Baldassarre, after obtaining her degree in Computer Science with honors from the University of Bari, starts in the Department of Computer Science with the PhD program in Computer Science XVIII Cycle. In 2004 she became Assistant Professor in the ING-INF/05 sector.

Her research is located in the Software Engineering area and in the early years has focused on the development processes and ordinary and extraordinary maintenance and on methods related to monitoring and continuous improvement of software quality, and takes place within the Software Engineering Research LABORatory (SERLAB) of the Computer Science Department.

Subsequently, her research activity has focused on Process & Product Quality and Empirical Software Engineering which has become the line of research that Maria Teresa Baldassarre carries out independently and for which she assumes responsibility for scientific coordination within the SER-LAB research laboratory.

For what concerns her teaching activity, over the years Maria Teresa Baldassarre has held mainly, albeit not exclusively, courses in the Software Engineering area within the laurea degree study courses at the University of Bari in both local and dislocated cites, i.e. Bari and Brindisi respectively.

She has carried out relevant activities within the third mission and in management. The activities range from third party and industrial research projects (at regional, national and international level), some of which see Maria Teresa Baldassarre as co-author and scientific manager, to the institutional and service activity provided in favor of the University. Added to this is the experience of starting a university spin off, SER & Practices s.r.l., in which he still holds the role of quality manager of processes and products.

For SER & Practices s.r.l. she also manages the acquisition of the ISO9000: 2008 and ISO14001: 2004 process certifications. She also guides the company through the ISO13485 and ISO25010 software product certification process. The latter has been the first product certification made in Italy and the fourth in Europe. These results have a significant impact on the industrial collaborations that Maria Teresa Baldassarre has established.

In 2009 she contributed to the foundation of the Apulian branch (Branch Puglia) of the Project Management In-institute Southern Italy Chapter (in the acronym PMI SIC), often promoting seminars and discussion groups

on quality issues in IT projects. In 2018, also thanks to the efforts made and the results obtained in previous years, Maria Teresa Baldassarre was elected to the PMI SIC governing body, assuming the Vice-Chairmanship, (<https://www.pmi-sic.org/pages/board-del-pmi-sic>), thus contributing to the strategic management of the entity. She currently holds this position until 2021.

Teaching, research and third mission activities are therefore deeply concentrated in Software Quality and Empirical Software Engineering.

Since 2004 until today, Maria Teresa Baldassarre has been a supervisor and co-supervisor of numerous laurea degree thesis projects of undergraduate and graduate students.

In April 2017 Maria Teresa Baldassarre obtained the national scientific qualification for full professor.

1.4. Coordination of groups and / or research initiatives

- from 1 novembre 2018: **Scientific Coordinator** of the research area *Process & Product Quality* within Software Engineering Research LABORatory (SERLAB).
- from 01-01-2007 – **Member of the** Alarcos Research Group at the Università di Castilla la Mancha, coordinated by Prof. Mario Piattini.
- from 12-10-2001 al 30-10-2018 – **Member** of the Software Engineering Research Laboratory (SERLAB), laboratorio - Dipartimento di Informatica dell'Università di Bari.
- from 01-01-2008 to today - **Representative Member of the Università degli Studi di Bari** within the **"ISERN – International Software Engineering Research Network"** (<http://isern.iese.de/Portal/mod/page/view.php?id=11>)

1.5. Internationalization activities

- Reference professor of the Memorandum of Understanding agreement between UNIBA – UFPE (Federa University of Pernambuco, Recife Brazil) approved by the board of academic senate S.A. 26.10.2017
- Reference professor of the PhD Co-Tutel agreement between UNIBA-UCLM (University of Castilla la Mancha – Spain) approved by the board of academic senate S.A. 26.10.2017 for the student José David Romero (32° Cycle)
- Reference professor of the PhD Co-Tutel agreement between UNIBA-UCLM (University of Castilla la Mancha – Spain) approved by the board of academic senate S.A. 31.08.2018 for the student Bibiano Rivas Garcia (33° Cycle)
- Reference Professor for the Visiting-Professorship of Prof. Fabio da Silva (UFPE) for periods: May-July 2018 & May-July 2019
- Reference Professor for the Visiting-Professorship of Prof. Ayse Basar Bener (RYERSON) for period: July – December 2019

1.6. Activities related to PhD programs

1.6.1. (Co)Tutorship

- **Tutor** of the following students within the PhD degree in "Informatica e Matematica" (XXXII Ciclo) del Dipartimento di Informatica dell'Università di Bari:
 - JOSE' DAVID PATON ROMERO
- **Tutor** of the following students within the PhD degree in "Informatica e Matematica" (XXXIII Ciclo) del Dipartimento di Informatica dell'Università di Bari:

- BIBIANO RIVAS GARCIA (a.a. 2017-2018)
- **Co-advisor**, of the following students within the PhD degree of the Università di Castilla la Mancha, Ciudad Real, Spagna:
 - FRANCISCO PINO on a thesis with title: “Integrated framework for software process improvement in small organizations”. Francisco has carried out a visiting period at SERLAB from May-August 2008
 - CESAR PARDO on a thesis with title: “A framework to support the harmonization between multiple models and standards”. Cesar has carried out a visiting period at SERLAB from April-July 2011
- **Co-advisor** of the following students within the PhD degree of the University of Pernambuco, Recife Brasile:
 - WALDEMAR PIRES FERREIRA NETO on a thesis with title: "Towards an accurate support to specify, execute and replicate experiments in software engineering considering domain specific characteristics". Waldemar has carried out a visiting period at SERLAB from da May 2015- May 2016.
 - CLEYTON VANUT on a thesis with title: “Job Specialization in Software Engineering: A mix-method study in software practice”.

1.6.2. Component of Boards of PhD

- **Component of the Examination Board** of the following PhD students of the Federal University of Pernambuco (UFPE), Recife Brasile
 - BRUNO CARTAXO (aprile 2018)
 - RONNIE SANTOS (luglio 2019)
- **Component of the Faculty Board for PhD** since 2004.
- **Component of th Examination Board dell’Examination Board** of the following PhD student of the della IT Faculty at the University of Gothenburg (october 2019)
 - Truong Ho Quang

1.6.3. Courses for PhD Cycle

- Compusory basic course of : **Empirical Studies and Data Analysis** – within the PhD of Mathemataics and Informatics at the Departiment of Informatics – University of Bari, since 2017.

1.7. International Program Committee Member

Maria Teresa Baldassarre has been a member of numerous program committees including the following most important ones:

- International Conference on Software Maintenance and Evolution (ICSME) 2020
- International Conference on Software Engineering – Software Artifacts Track (ICSE) 2020
- International Conference on Software Engineering – Software Engineering and Education Track (ICSE-SEET) 2019
- International Conference on Empirical Software Engineering and Measurements (ESEM) dal 2008
- International Conference on Product-Focused Software Development and Process Improvement (PROFES) dal 2004
- International Conference on Evaluation and Assessment in Software Engineering (EASE) dal 2005

1.8. Member of International Steering Committees

- STEERING COMMITTEE MEMBER of International Software Engineering Research Network (ISERN) for 2015-2017

- **STEERING COMMITTEE MEMBER** permanent member of the International Conference on Empirical Assessment in Software Engineering Conference (EASE) since 2015
- **STEERING COMMITTEE MEMBER** of the International Conference on Empirical Software Engineering and Measurement (ESEM) for years 2019-2022

1.9. Organization roles in Conferences and Workshops

Among the most recent:

- **Short Papers Program co-Chair** of the International Conference on Evaluation and Assessment in Software Engineering (EASE) June 16-18, 2017, Karlskrona, Sweden
- **Co-Chair of the Doctoral Symposium** in the International Conference on Evaluation and Assessment in Software Engineering (EASE) April 15-17, 2019, Copenhagen, Denmark
- **Emerging Results and Vision papers** co-chair of the ACM-IEEE International Conference on Empirical Software Engineering and Measurement (ESEM), Recife, Brasil, as part of the Empirical Software Engineering International Week (ESEIW 2019).
- **Organization co-chair** of the RoseFestival@ESEM2019, track Recife, Brasil, as part of the Empirical Software Engineering International Week (ESEIW 2019).
- **General co-Chair** of the ACM/IEEE Empirical Software Engineering International Week (ESEIW 2020), October 4-9, 2020 Bari, Italy – Held Online due to COVID19
- **Organization co-chair** of CHASE Workshop@ICSE2020, Seoul, Korea, as part of the International Conference on Software Engineering Week – Held ONLINE due to COVID19
- **Publicity co-Chair of the** ACM/IEEE International Conference on Software Engineering 2021, Madrid, Spain 2021
- **Program co-Chair** of the ACM/IEEE Empirical Software Engineering International Week (ESEIW 2020), September, 2021 Bari, Italy

1.10. Invited Speeches & Keynotes

Maria Teresa Baldassarre has been invited to give keynote speeches and talks during international conferences.

- **Invited KEYNOTE SPEAKER** in the Tutorial “Empirical Research in Model Based Software Engineering” held at the **IEEE International Conference on Model-Driven Engineering Languages and Systems (MODELS)**, Saint Malo, France from October 2-4 2016. Has given a talk entitled: “Controlled Experiments – the Experimental Process”
- **Invited KEYNOTE SPEAKER** in the **International Conference on the Quality of Information and Communications Technology (QUATIC)**, Ciudad Real, Spain, 11-13 Settembre 2019. Has given a talk entitled: “From processes to products through research and practice: a perspective on 50 years of software quality”
- **Invited talk e panelist** al “**RoseFestival Track**” durante la ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (**ESEC/FSE**), Orlando Florida 4-9 November 2018. Ha tenuto un talk dal titolo: “Oops, I replicated again. Let me tell you why!”

1.10.1. Visiting Professor

Maria Teresa Baldassarre ha svolto i seguenti periodi all'estero in qualità di Visiting Professor:

- **VISITING PROFESSOR** presso la **Federal University di Pernambuco (UFPE), Brasile** (01/03 – 01/04 2015) invitata dal Prof.Sergio Soares) Durante il periodo di visiting Maria Teresa Baldassarre ha instaurato rapporti di collaborazione con i due gruppi di ricerca ESEG e HASE, e ha tenuto un invited seminar a studenti MSc e PhD.

- **VISITING PROFESSOR** presso il Computing Science Department della **University of Alberta (UofA), Canada** per un periodo di quattro mesi (da gennaio-aprile 2016 – Winter Term) invitata dalla Prof.ssa Eleni Stroulia responsabile del Service Systems Research Group (SSRG). Durante il periodo di Visiting Professor, oltre alle attività di ricerca, Maria Teresa Baldassarre ha ricevuto formale attribuzione di incarico di insegnamento del corso "CMPUT402 – Software Quality" per il curriculum di Computing Science della University of Alberta. L'insegnamento si è tenuto nel Winter Term da Gennaio ad Aprile 2016.

1.11. Reviews for International Journals

Maria Teresa Baldassarre has carried out scientific review for the following international journals:

- Decision Support System Journal, Elsevier (of which she is Associate Editor since 2013)
- Empirical Software Engineering, Kluwer Academic Press (EMSE Review Board Member since 2014)
- IET Software, IET Press
- Journal of Software Maintenance and Evolution: Research and Practice, John Wiley & Sons
- Information and Software Technology, Elsevier
- Journal of System and Software – Elsevier
- Journal of Software Quality, Springer
- Journal of Software: Evolution and Process, Wiley

1.12. Editorial Committee of international journals

- ASSOCIATE EDITOR of journal Decision Support Systems, Elsevier ISSN: 0167-9236
- GUEST EDITOR of the Special Issue IET Software, Best Papers from Evaluation and Assessment in Software Engineering, Volume 3, Issue 5, 2009
- GUEST EDITOR of the Special Issue di Empirical Software Engineering Journal, volume 19, Issue 2, April 2014. ISSN: 1382-3256.
- GUEST EDITOR of the Special Issue di Journal of Systems and Software, volume 155, May 2019.

1.13. Awards

- **Selected Best Paper for Special Issue** – P.Ardimento, M.T. Baldassarre, D.Caivano, G.Visaggio, (2005) "Assessing Multiview Framework (MF) comprehensibility and efficiency: a replicated experiment", Proceedings of the Evaluation and Assessment in Software Engineering Conference (EASE), 11-13 April, Keele, UK. (selected for Special Issue: Evaluation & Assessment in Software Engineering (EASE05), Information & Software Technology, 48(5) (cfr. *T24 di Titoli Allegati*)
- **Best Paper for OPEN DATA RECOGNITION** - D.Fucci, S. Romano, M. T. Baldassarre, D. Caivano, G. Scanniello, B. Turhan, N. Juristo, (2018) "A Longitudinal Cohort Study on the Retainment of Test-Driven Development", (2018), Proceedings of the 12th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, Ou-lu, Finland — October 11 - 12, 2018, ACM New York, NY, USA, ISBN: 978-1-4503-5823-1, DOI: 10.1145/3239235.3240502 (cfr. *T22 di Titoli Allegati*)

Bari, 03.05.2022

In Fede

Maria Teresa Baldassarre