

Curriculum Vitae Prof. Dr. Barbara Russo

Personal Information

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DBLP <https://dblp.uni-trier.de/pers/r/Russo:Barbara.html>
Google Scholar <https://scholar.google.it/citations?user=PIJZu1MAAAAJ&hl=en>

Present appointment *Full professor (Professore di I fascia) at the Faculty of Computer Science, Free University of Bozen-Bolzano, Italy. Scientific Sector: INF/01 Informatica*

Academic Qualifications

2018 *2018 National scientific habilitation Full Professor, 09/H1 Sistemi di Elaborazione delle Informazioni*
2017 *2017 National scientific habilitation Full Professor, 01/B1 Informatica*
1991 – 1996 *PhD in Mathematics, (Dottorato di ricerca in Matematica), Facoltà di Scienze Matematiche, Fisiche e Naturali, University of Trento, Italy, with final evaluation: excellent.*
1986 – 1991 *Master of Science in Mathematics (Laurea vecchio ordinamento), University of Trento, Italy. Grade: 110 cum laude. The thesis's work was awarded with a start-up scholarship for undergraduates of the Consiglio Nazionale delle Ricerche (CNR)*
1986 *Diploma di maturità scientifica – Liceo scientifico E. Torricelli, Bolzano*

Current major responsibilities at unibz:

Vice-dean for research at the Faculty of Computer Science
*Principal investigator of research/industry projects, e.g., Industry4.0 for Smart**
Coordinator of the consortium of the international MSc program EMSE;
Member of the Teaching Committee of the PhD course in Advance Systems-engineering of the Faculty of Science and Technology;
Founding member of Bitz FabLab of Unibz;
General chair of the ISE school series ;
Supervisor of PhD, MSc, and BSc theses and Lecturer in BSc and MSc programs of the Faculty of Computer Science.

My professional career in a nutshell:

I started my carrier in 1991 when I graduated in pure mathematics from the University of Trento (I), where I also obtained my PhD in pure mathematics in 1996. While I was visiting the Max-Planck Institute for Mathematics in Bonn (D), prof. Teixidor (Tufts University,US) and I solved a renowned conjecture in Algebraic Geometry (<http://hdl.handle.net/21.11116/0000-0004-379F-C>).

Since 2003, I work as researcher in empirical software and systems engineering at the Free University of Bolzano (I), where I am currently full professor and vice dean for research at the Faculty of Computer Science. In 2014, I have established the research center for Software and Systems Engineering, that I coordinated until 2017. From 2009-2013 and 2018-2020, I have been director of the MSc in Software Engineering, for which I have been awarded Erasmus Mundus grant for three times since 2007 (since 2012, as Consortium coordinator). In 2007, I have been awarded “best example of public-private collaboration” by the Mai Foundation of the Italian Association of Enterprises. Since then, I have been continuously working in synergy with local and national companies. For instance, I am now principal investigator of a third party funded project on Industry 4.0 for Smart*.

My *current research interests* pertain the fields of Software Systems Engineering, Machine Learning applied to Systems Engineering, Software Systems Verification. My major achievements in these areas concern the reconstruction of system behavior with Natural Language Processing techniques, the creation of a native testing framework for embedded systems compliant the standard IEC 61131-3, a new method for system error prediction with Machine Learning and a novel approach to automatically monitor and evaluate system performance of microservice based systems.

Professional memberships

Consorzio Interuniversitario Nazionale per l'Informatica (**CINI**), the International Software Engineering REsearch NETwork (**ISERN**), the Association for Computing Machinery (**ACM**), GRuppo di Informatica Nazionale (**GRIN**), and IEEE Computer Society (**IEEE**)

Member of PhD teaching committees

10/2019 - today, PhD course in Advanced-Systems Engineering of the Faculty of Science and Technology, Free University of Bolzano;

10/2004 - 09/2019, PhD course in Computer Science of the Faculty of Computer Science, Free University of Bolzano.

Invited talks, tutorials and keynotes of the last five years

2020 Tutorial@ISSRE Continuous Dependability Assessment and Improvement in DevOps with A. Avritzer

2019 Tutorial@ISSRE Exploiting Operational Profile, Testing, and Attack Data for Continuous Dependability Assessment in DevOps with A. Avritzer

2019 participation to Dagstuhl Seminar (by invitation only) Values in Computing

2018 participation to Shonan Meeting (by invitation only) Data- Driven Search-Based Software Engineering

2018 participation to Shonan Meeting Towards Engineering Free/Libre Open Source Software (FLOSS) Ecosystems for Impact and Sustainability

2017 Journal First award at ICSE 2017

2016 Invited talk Mining System Logs to Learn Error Predictors, at the HPC+Big Data Workshop, Universidad de la Frontera, Chile

2016 Invited talk Mining logs to predict system errors, at Masaryk University, Check Republic

2015 Keynote Mining logs to predict system errors (PROMOTE2015)

2015 Invited talk: Mining logs to learn error predictors, at the Universität Stuttgart

Selected Community Services

2020 – today *member of editorial board* of Information and Software Journal (IST)

Program co-chair of: ESEM2019, ESEC/FSE2019 Doctoral Symposium, PROFES2015, ISERN2014, SIMPDA2014, ISERN2013, PROFES2013 Doctoral Symposium, OSS2011;

Since 2015, general chair of ISE2020 - International school in Software Engineering;

2019-2020 and 2010–2011, steering committee member of ESEM conference series;

2014-2016 Review Board Member of the Empirical Software Engineering Journal;

2009-2014 Member of the Steering Committee of the International Software Engineering REsearch Network (ISERN);

2010 Associated editor of ECIS 2010;

Reviewers for the topmost conferences (ICSE, MSR) and journals (TSE, TOSEM, ESEC/FSE, ASE) in Software Engineering; for instance, in the next two years: 2020-21 MSR PC member; 2021-2022 ICSE – research track PC member;

Funded projects with competitive calls

Local:

SARDECH - Software Architecture Recommendation system built on DEsign Change History, 2018-2021, funded by the Free University of Bozen - Bolzano, Italy with competitive call for research projects - PI

DEBASS- Detecting Behavioural Anomalies in the Operations of Large Software Systems, 2016 – 2019, funded by the Free University of Bozen - Bolzano, Italy with competitive call for research projects, PI

TCC_EU2020 -Trusted cloud computing for Europe 2020, 2018-2015, funded by the Free University of Bozen - Bolzano, Italy with competitive call for research projects, PI

Optimization of the execution of self- adaptive, self- healing, and self- recovery software applications for energy saving, 2013-2015, funded by the Free University of Bozen - Bolzano, Italy with competitive call for research projects, PI

FOSSMAE – FOSS maturity predictor based on product and process metrics, 2015-2013, funded by the Free University of Bozen - Bolzano, Italy with competitive call for research projects, PI

eGovS2020 – eGovernment Scenarios for 2020, 2010-2011, funded by the Free University of Bozen - Bolzano, Italy with competitive call for research projects, PI

KbeG - A Knowledge Base in eGovernment, 2009-2010, funded by the Free University of Bozen - Bolzano, Italy with competitive call for research projects, PI

CMOSS – Capability and Maturity of Open Source Software, 2008-2011, Province of Bolzano, Italy, PI

National:

GAUSS - Governing Adaptive and Unplanned Systems of Systems, 2017 – 2020, funded by the Italian Ministry of Research, PRIN 2015, contract no. KWREMX - Unit PI

IDEAS - Integrated Design and Evolution of Adaptive Systems, 2014-2017, funded by the Italian Ministry of Research, PRIN 2012, contract no. 2012E47TM2, Unit PI

International:

2007 TEKNE “Towards Evolving Knowledge internetwork Enterprises.” Principal investigator for the Free University of Bolzano-Bozen. FIRB Decreto direttoriale n. 1050/Ric. del May 17th, 2005 - Unit PI

2006 European Tender “Economic impact of FLOSS on innovation and competitiveness of the EU ICT sector”. Lead contractor: UNU-MERIT - scientific investigator

2006 CALIBRE “Coordination Action for Libre Engineering.” Investigator for the Business Innovation Center of Südtirol (I). FP6 CA, contract no. 004337 - scientific investigator

2004-2006 COSPA. European Union Sixth Framework Project COSPA – A Consortium for studying, evaluating, and supporting the introduction of Open Source software and Open Data Standards in the Public Administration. Investigator and co-coordinator for the Free University of Bolzano-Bozen. FP6-IST STREP, Contract no. IST-1-002614 - scientific investigator

2002-2003 NAME European Union Fifth Framework Network of Excellence Project NAME – A Network of Agile Methodologies Experience. FP5 NoE, Contract no. IST-2001-37482- scientific investigator.

Funding overview (2021.01.01)

Research projects as principal investigator 1,122,831 Euro

Research contracts as principal investigator 845,613 Euro

Research projects as scientific investigator 2,787,916 Euro

Educational projects as principal investigator 3,555,862 Euro

Research/academic positions

<i>Period</i>	<i>Job title</i>	<i>Employment Institution (funding agency if different)</i>
10/2019 - today	Full professor in Computer Science	Free University of Bozen-Bolzano
03/2005 - 09/2019	Associate professor in Computer Science	Free University of Bozen-Bolzano
10/2003 - 02/2005	Researcher in Computer Science	Free University of Bozen-Bolzano
05/2002 - 04/2003	Research collaborator	Free University of Bozen-Bolzano
03/2001 - 07/2001	Post-doc research fellow in mathematics	University of Liverpool, UK
08/2001 - 10/2001	Research collaborator	University of Trento
07/1999 - 06/2001	Assegno di Ricerca in mathematics	University of Trento
01/1997 - 01/1999	Post-doc research fellow in mathematics	University of Trento
08/1997 - 10/1997	Post-doc research fellow in mathematics	Max-Plank-Institute für Mathematik, Bonn, Germany
04/1996 - 09/1996	Graduate research fellow in mathematics	University of Liverpool, UK (University of Trento)
01/1996 - 12/1996	Senior research fellow in mathematics	University of Trento, (Istituto Nazionale di Alta Matematica -
10/1991 - 09/1995	PhD student in mathematics	University of Trento (Ministero dell'Istruzione, dell'Università e della
10/1990 - 09/1991	Undergraduate research fellow in mathematics	University of Trento (Consiglio Nazionale delle Ricerche - CNR)

Appointments to academic bodies or boards

Member of PhD teaching committees:

10/2019 – today, PhD course in Advanced-Systems Engineering of the *Faculty of Science and Technology* (unibz);

10/2004 – 09/2019, PhD course in Computer Science of the *Faculty of Computer Science* (unibz).

Member of PhD selection commissions:

a.y. 2019/2020 and 2020/2021, member of the commission for the admission to the PhD course in Advanced-Systems Engineering of the Faculty of Science and Technology (unibz) for the XXXIV and XXXV cycles;

2012 - 2013, *president* of the commission for the admission to the PhD course in Computer Science (unibz) for the XXVIII and XXIX cycles;

2008 - 2015 member of the commission for the admission to the PhD course in Computer Science (unibz) for the XXVI-XXXI cycles.

Director of Teaching programs:

09/2018 – 10/2020, founder and director of the MSc in Software Engineering for Information Systems at the Faculty of Computer Science (unibz);

09/2009 – 08/2013, MSc in Computer Science of the Faculty of Computer Science (unibz);

09/2007 – today, founder and coordinator of the international consortium of the European Masters Program in Software Engineering (EMSE) at Faculty of Computer Science (unibz);

09/2007– 08/2012, founder and director of the dual BSc course (programma alternanza studio-lavoro) of Faculty of Computer Science (unibz).

Founder/director of research groups at unibz:

11/2014 – 12/2017, *founding member and first director* of the research group of the Faculty of Computer Science *Software and Systems Engineering Research Group (SwSE)* at unibz;

Founder/director of other bodies at unibz:

11/2017 – today, *Founding member* of Bitz FabLab of unibz;

07/2014 - 12/2017, *Founder* of the Makerspace FabLab at the Faculty of Computer Science (unibz),

06/2007 – 08/2009, *Founding member* of Equal Opportunity Body of unibz.

Memberships:

09/2007 – 08/2009 member of the *Council of the Bachelor Program in Applied Computer Science*

a.y. 2009/2010 – 2010/2011 member of the *selection committee for teachers and teaching assistants* of the courses at the Faculty of Computer Science

2015 member of the *admission commission* to the MSc of Computer Science at the Faculty of Computer Science (unibz)

Other appointments

07/2007 – today, member of the *International Software Engineering Research Network (ISERN)*, isern.de;

09/2009 – 08/2014, member of the Steering Committee of ISERN

10/2005 – 09/2011 Rector's reference person and representative for the Free University of Bozen-Bolzano of the Italian *NetVal - Network per la Valorizzazione della Ricerca* <http://netval.it>

03/2005 al 01/2009, Rector's delegate for the *Liaison Offices e technology transfer*

03/2009 – 02/2010, technical reviewer for the Ripartizione 34 Innovazione, Ricerca, Sviluppo e Cooperazione - Province of Bolzano, Italy

09/2007– 10/2007, external reviewer for the tenureship of Dr. J. Brian Adams - Department of Mathematics and Computer Science at Franklin & Marshall Collage, US

Further achievements in teaching

Total grants for educational projects as principal investigator: 3,555,862 Euro

Teaching appointment at national level:

01/2009 – 12/2013 Member of the national teaching commission in Computer Science of the Italian Research Group - Gruppo di Ricerca Informatica Nazionale (GRIN)

Coordination of International educational projects

09/2015 - today Erasmus Mundus – consortium coordinator

10/2012 – 09/2016 Tempus IV, JMSE project– unit coordinator

09/2017 – 08/2012 Erasmus Mundus – unit coordinator

09/2013 – 08/2015 MOY – consortium coordinator

09/2013 – 08/2015 Double Degree Master in Software Engineering (DDMSE) – consortium coordinator

Teaching awards:

2015 Erasmus Mundus grant recipient and consortium coordinator

2013 Erasmus Mundus Brand Name award and consortium coordinator

2013 MOY grant recipient and consortium coordinator

2007 award of the Fondazione Mai of the Italian Association for Enterprises for the dual Bachelor in Computer Science (Laurea alternanza studio lavoro)

2007 - 2012 Erasmus Mundus unit coordinator

2010, IEEE Lance Stafford Larson award for the best BSc thesis

Teaching activities:

Number of PhD supervisions at unibz 8

Number of MSc and BSc supervisions at unibz 27 and 16

Number of new programs established at Faculty of Computer Science of unibz Three MSc programs (accredited as “interateneo international program” at the Italian Ministry) and one dual BSc program

Since 2014: founder and general chair of the annual International PhD school series ISE (e.g., <https://seschool-series.github.io/2020/>)

I have taught at the undergraduate, graduate, and PhD level different types of courses from the ones in *pure mathematics (until 2002) to the ones in computer science and software engineering (since 2002)*. All courses balance between theory and practice (frontal lecture and project development). Some courses are more programming oriented like *Advanced Programming and Programming Project*) others focus on techniques for the empirical investigation with projects on repository mining and scripting for data analytics (*Empirical Software Measurement*) others teach mathematical advanced techniques and advance programming to develop competence and tools for the verification and reliability of dependable systems.

Exhibitions

01/04/2017 Co-organizer of the *ArduinoDay@unibz*;

October 13-16, 2016 Organizer for the Faculty of Computer Science of the exhibition for the *Maker Fair 2016: La mano bionica*, Fiera di Roma, Roma;

18/09/2016, Organizer and participation to the Lunga Notte della Ricerca - *LUNA 2016*, Bolzano with the exhibition *The Naval Battle: Progettare, Programmare, e Stampare... Per Poi Affondare! Battaglia Navale Con Le Stampanti 3d*,

26/09/2015, Organizer and participation to the Lunga Notte della Ricerca - *LUNA 2015*,

Bolzano with the exhibition *Letter Adventure*, Lunga Notte della Ricerca;
2014, Organizer and participation to the Lunga Notte della Ricerca - *LUNA 2014*, Bolzano
with the exhibition *Reducing Search Space: A Mobile Application for Lifeguards Alerting*.

Interviews and dissemination activities

16/06/2019 Gli errori nel software radio regionale “Terza Missione”
11/09/2017, Article in Science South Tyrol: Una visione Europea
04/09/2017 Article in Altoadige newspaper: A Bolzano i grandi ricercatori del software- Alla Summer School internazionale di Ingegneria del software anche Devanbu e Erdogmus
04/09/2017 - Article in Dolomiten newspaper: Summer School zu Softwaretechnik am Campus Bozen
21/08/2017 - Article in Alto Adige Innovazione: Cento studenti alla scoperta dei due atenei
04/07/2017 - Interview for the 24 Degrees magazine of the European Commission DG Education & Culture will be producing the second edition of our publication
08/06/2017 Article in Science South Tyrol: Arduino, Open-Sourcing Imagination
01/06/2017 Article in Alto Adige Innovazione Massimo Banzi, a lezione con il fondatore di Arduino l’8 giugno all’Unibz
19/06/2017 - Interview for the regional RAI news TGR - Trentino Alto Adige La rivoluzione mini-chip
09/01/2016 - Interview at regional Radio RAI Alto Adige - Greenwich: La Mano Bionica
26/11/2015 - Article in Science South Tyrol: Europäisches Masterprogramm Mit 2 Mio. Euro Finanziert
04/11/2015 - Article in the Alto Adige Innovazione, Profes2015: ricerca, software e industria si incontrano all’Università di Bolzano
24/12/2015 - Interview for the regional RAI news TGR - Trentino Alto: The makerspace at the Faculty of Computer Science
03/11/2015 - Article in AltoAdige newspaper: Software, ricercatori a confronto
27/12/2015 - Article in AltoAdige newspaper: Mano bionica All’Università di Bolzano
25/12/2015 - Article in AltoAdige newspaper: L’università di Bolzano crea la mano bionica
26/09/2014 - Interview at local RAI Alto Adige - Passpartu, for the exhibition at the La Lunga Notte della Ricerca 2014 - LUNA

List of scientific publications (2020)

Articles in Refereed, International, Academic Journals

- [IJ-1] Vilc Queuepe Rufino, Mateus Schulz Nogueira, Alberto Avritzer, Daniel Sadoc Menasché, Barbara Russo, Andrea Janes, Vincenzo Ferme, André van Hoorn, Henning Schulz, Cabral Lima: Improving Predictability of User-Affecting Metrics to Support Anomaly Detection in Cloud Services. *IEEE Access* 8: 198152-198167 (2020)
DOI: not yet available
Quartile-JCR: not yet available
Google Scholar cit.: -
- [IJ-2] Abrahamsson P., Botterweck G., Ghanbari H., Jaatun M.G., Kettunen P., Mikkonen T. J., Mjeda A., Münch, J., Nguyen Duc A., Russo B., Wang X. (2020) Towards a Secure DevOps Approach for Cyber-Physical Systems, *International Journal of Systems and Software Security and Protection* Vol. 11(2)
DOI: not yet available
Quartile-JCR: not yet available
Google Scholar cit.: -
- [IJ-3] Avritzer, A., Ferme, V., Andrea Janes, J., Russo, B., André van Hoorn, A., Schulz, H., Daniel S. Menasché, Vilc Queuepe Rufino, (2020) Scalability Assessment of Microservice Architecture Deployment Configurations: A Domain-based Approach Leveraging Operational Profiles and Load Tests. *Journal of Systems and Software* Vol. 165:
DOI: doi.org/10.1016/j.jss.2020.110564
Quartile-JCR: not yet available (Q1 2019)
Google Scholar cit.: 2
- [IJ-4] Hofer, F., Russo, B. (2020) IEC 61131-3 Software Testing: A Portable Solution for Native Applications. *IEEE Transactions on Industrial Informatics* Vol. 16, No. 6, pp.3942-3951
DOI: doi.org/10.1109/TII.2019.2941584
Quartile-JCR: not yet available (Q1 since 2011)
Google Scholar cit.: 1
- [IJ-5] Pettinato, M., Gil, J.P., Galeas, P., Russo, B., (2019) Log mining to re-construct system behavior: An exploratory study on a large telescope system. *Information and Software Technology*, Vol. 114, pp.121-136
DOI: doi.org/10.1016/j.infsof.2019.06.011
Quartile-JCR: Q1
Google Scholar cit.: 3
- [IJ-6] Scalabrino, S., Bavota, G., Russo, B., Oliveto, R., Di Penta, M. (2019) Listening to the Crowd for the Release Planning of Mobile Apps *Transaction of Software Engineering* Vol. 45, No. 1, pp. 68-86
DOI: doi.org/10.1109/TSE.2017.2759112
Quartile-JCR: Q1
Google scholar cit: 23

- [IJ-7] Ponzanelli, L., Bavota, G., Mocci, A., Di Penta, M., Oliveto, R., Russo, B., Haiduc, S., Lanza, M. (2019) Automatic Identification and Classification of Software Development Video Tutorial Fragments *Transaction on Software Engineering*, Vol. 45, No. 5, pp. 464-488
DOI: doi.org/10.1109/TSE.2017.2779479
Quartile-JCR: Q1
Google scholar cit: 22
- [IJ-8] Russo, B., Valle, L., Bonzagni, G., Locatello, D., Pancaldi, M., Tosi, D., (2018) Cloud Computing and the New EU General Data Protection Regulation. *IEEE Cloud Computing* Vol. 5, No.6, pp. 58-68
DOI: doi.org/10.1109/MCC.2018.064181121
Quartile-JCR: Q1
Google scholar cit: 7
- [IJ-9] Astromskis, S., Bavota, G., Janes, A., Russo, B., Di Penta, M. (2017) Patterns of developers behaviour: A 1000-hour industrial study: *Journal of Systems and Software*, Vol. 132, pp. 85-97,
DOI: doi.org/10.1016/j.jss.2017.06.072
Quartile-JCR: Q1
Google scholar cit: 9
- [IJ-10] Candela, I., Bavota, G., Russo, B., Oliveto, R. (2016) Using Cohesion and Coupling for Software Remodularization: Is It Enough?: *ACM Transaction on Software Engineering and Methodology*. Vol. 25, No. 3, pp. 1-24, ISSN: 1049-331X
DOI: doi.org/10.1145/2928268
Quartile-JCR: Q1
Google scholar cit: 54
This paper got the Journal First @ICSE 2017
http://icse2017.gatech.edu/?q=all_contributions
- [IJ-11] Russo, B., Succi, G., Pedrycz, W. (2015) Mining system logs to learn error predictors: a case study of a telemetry system: *Empirical Software Engineering Journal* (ESEM), Vol. 20, No. 4, pp. 879-927 ISSN: 1382-3256,
DOI: dx.doi.org/10.1007/s10664-014-9303-2
Quartile-JCR: Q2
Google Scholar cit.: 22
This paper was cited as one of the ten approaches for log mining for anomaly detection in Niyaz H. and Priscilla M. (2018) A Survey on Various Kinds of Anomalies Detection Techniques in the Mobile Ad hoc Network Environment, *International Journal of Scientific Research in Computer Science, Engineering and Information Technology* Vol. 3 No. 3, pp. 2456-3307.
- [IJ-12] Pedrycz, W., Russo, B., Succi, G., (2012) Knowledge transfer in system modeling and its realization through an optimal allocation of information granularity: *Applied Soft Computing*. Vol. 12, No. 8 pp. 1985-1995, ISSN: 1568-4946,
DOI: doi.org/10.1016/j.asoc.2012.02.004
Quartile-JCR: Q1

- Google scholar: 62
- [IJ-13] Rossi, B., Russo, B., Succi, G. (2012) Adoption of Free/Libre open Source Software in Public Organizations: Factors of impact: *Information Technology & People*, Vol. 25, No. 2, pp. 156-187, ISSN: 0959-3845,
DOI: doi.org/10.1108/09593841211232677
Quartile-JCR: Q2
Google scholar cit: 79
- [IJ-14] Rossi, B., Russo, B., Succi, G. (2011) Path Dependent Stochastic Models to Detect Planned and Actual Technology Use: a case study of OpenOffice, *Journal of Information and Software Technology*, vol. 53, No.11, pp. 1209-1226, ISSN: 0950-5849
DOI: doi.org/10.1016/j.infsof.2011.05.002
Quartile-JCR: Q2
Google scholar cit.: 1
- [IJ-15] Pedrycz, W., Russo, B., Succi, G., (2011) A model of Job Satisfaction for Collaborative Development processes, *Journal of Systems and Software*, Vol. 84, No. 5, pp.739-752, ISSN: 0164-1212
DOI: doi.org/10.1016/j.jss.2010.12.018
Quartile-JCR: Q3
Google scholar cit: 54
- [IJ-16] Lutteri, E., Russo, B., Succi, G. (2011) Report of the 4th international symposium on empirical software engineering and measurement ESEM 2010, *ACM SIGSOFT Software Engineering Notes*, Vol. 36, No. 2, pp. 28-34,
DOI: doi.org/10.1145/1943371.1943393
Quartile-JCR: NA
Google scholar cit: -
- [IC-1] Cecon, C., Panzacchi, P., Scandellari, F., Prandi, L., Ventura, M., Russo, B. (2011) *Spatial and temporal effects of soil temperature and moisture and the relation to fine root density on root and soil respiration in a mature apple orchard*, *Plant and soil*, Vol.342 No. (1-2), pp. 195-206
Quartile-JCR: Q1
DOI: doi.org/doi.org/10.1007/s11104-010-0684-8,
Google scholar cit: 68
- [IJ-17] Russo, B., Succi, G. (2009) A Cost Model of Open Source Software Adoption, *International Journal of Open Source Software and Processes*, Vol. 1, No. 3, pp. 60-82
DOI: doi.org/10.4018/jossp.2009070105
Quartile-JCR: NA
Google Scholar cit.: 9
- [IJ-18] Marchesi M., Succi G., Russo B., (2007) A model of the dynamics of the market of COTS software, in the absence of new entrants, *Information Systems Frontiers*, Vol. 9 (2-3), pp. 257-265
DOI: doi.org/10.1007/s10796-007-9025-8

- Quartile-JCR: Q4
 Google Scholar cit.: 4
- [IJ-19] Moser R., Russo B., Succi G., (2007) Empirical analysis on the correlation between GCC compiler warnings and revision numbers of source files in 5 industrial software projects, *Empirical Software Engineering Journal*, Vol. 12, No. 3, pp. 295-310
 DOI: doi.org/10.1007/s10664-006-9029-x
 Quartile-JCR: Q3
 Google Scholar cit.: 4
- [IJ-20] Ronchetti M., Succi G., Pedrycz W., Russo B. (2006) Early estimation of software size in object-oriented environments a case study in a CMM level 3 software firm. *Information Sciences Journal*, Vol. 176, No. 5, pp. 475-489
 DOI: doi.org/10.1016/j.ins.2004.08.012
 Quartile-JCR: Q2
 Google Scholar cit.: 47
- [IJ-21] Janes A., Scotto M., Pedrycz W., Russo B., Stefanovic M., Succi G., (2006) Identification of defect-prone classes in telecommunication software systems using design metrics. *Information Sciences Journal*, Vol. 176 No. 24., pp. 3711-3734
 DOI: doi.org/10.1016/j.ins.2005.12.002
 Quartile-JCR: Q2
 Google scholar cit.: 94
- [IJ-22] Succi G., Pedrycz W., Djokic S., Zuliani P., Russo B., (2005) An Empirical Exploration of the Distributions of the Chidamber and Kemerer Object-Oriented Metrics Suite. *Empirical Software Engineering Journal* Vol. 10, No.1, pp. 81-104
 DOI: doi.org/10.1023/B:EMSE.0000048324.12188.a2
 Quartile-JCR: Q2
 Google scholar cit.: 84
- [IJ-23] Giancarlo Succi, Witold Pedrycz, Milorad Stefanovic, Barbara Russo, (2003) An Investigation on the Occurrence of Service Requests in Commercial Software Applications. *Empirical Software Engineering Journal*, Vol. 8, No. 2, pp. 197-215
 DOI: doi.org/10.1023/A:1023014713253
 Quartile-JCR: NA; SCR:Q2
 Google scholar cit.: 16
- [IC-2] Succi G., Pedrycz W., Stefanovic M., Russo B, (2003). An Investigation on the Occurrence of Service Requests in Commercial Software Applications. *Empirical Software Engineering*, vol. 8, p. 197-205, ISSN: 1382-3256,
 DOI: doi.org/10.1023/A:1023014713253
 Quartile-JCR: NA; SCR: NA
 Google Scholar cit.: 16
- [IJ-24] Ballico, E.; Russo, B. Stable vector bundles with decomposable subbundles, (2002) *Review Roumaine Math. Pures Appl.* Vol. 47 No. 4, pp. 403–413
 DOI: NA
 Quartile-JCR: NA

- Google scholar cit.: NA
- [IJ-25] Ballico, E.; Russo, Maps between stable vector bundles on a smooth curve, (2002) *Bulletin of Polish Acad. Sci. Math.* Vol. 50, No. 4, pp. 433–446, SSN : 0239-7269
- DOI: NA
- Quartile-JCR: NA
- Google scholar cit.: 1
- [IJ-26] Ballico, E.; Russo, B. (2001) Families of maximal subbundles of stable vector bundles on curves, *Rocky Mountain Journal of Mathematics*, Vol. 31, No. 4, pp. 1141–1150
- <https://129.219.36.47/abstracts/rmj/vol31-4/ballpag1.pdf>
- DOI: doi.org/10.1216/rmjm/1021249435
- Quartile-JCR: Q4
- Google scholar cit.: 1
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