

Alberto Bacchelli

assistant professor, TU Delft

contacts

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publication indexes

<http://Google Scholar>
<http://DBLP>

languages

Italian: native speaker
English: fluent
French: conversational

professional memberships

ACM, IEEE

about

I am assistant professor of computer science at Delft University of Technology (TU Delft), The Netherlands. I work in the Software Engineering Research Group (SERG).

My primary research interest is in *software analytics*—a field emerging from software engineering and data science. My broader vision is to move software engineering away from decisions based on intuition, or development activities painstakingly conducted manually, into solutions created using data-driven mathematical models, which make use of the large amount of information available during the software engineering process.

My research has advanced the fundamentals of software analytics, especially to mine unstructured software data, and the code review process. The techniques and methods I develop and use are at the intersection of software engineering, information retrieval, data mining, machine learning, and social science.

education

- 2009–2013 **Ph.D.** in Informatics Università della Svizzera Italiana, Switzerland
Thesis: *Mining Unstructured Software Data*
Supervisor: *Prof. Dr. Michele Lanza*
- 2006–2008 **M.Sc.** in Computer Science University of Bologna, Italy
Final grade: *110/110 cum laude*
- 2006–2007 **M.Sc. year** within EU Erasmus program Université Libre de Bruxelles, Belgium
Main subjects: Software Engineering and Probabilistic Models
- 2002–2006 **B.Sc.** in Computer Science University of Bologna, Italy
Final grade: *110/110 cum laude*

experience

- 09.2013–now **Assistant professor, tenure-track** Delft University of Technology, The Netherlands
Software analytics research conducting empirical studies on software engineering. Focus on peer code review and mining unstructured software data. Teaching 3 courses (B.Sc. and M.Sc.). Supervising M.Sc. and Ph.D. students.
- 04–08.2013 **Research intern** Microsoft Research, Redmond, USA
Work on two projects: (1) visualization of code reviews to support understanding and (2) investigating and implementing a system for reviewer recommendation.
- 05–08.2012 **Research intern** Microsoft Research, Redmond, USA
Work on two projects: (1) data mining approach to link code reviews and code commits and (2) investigating tool-based code review at Microsoft, by means of qualitative methods and data analytics, to improve tools and processes.
- 2008–2009 **Software Engineer** CINECA, Italy
Design and implementation of an automatic test suite for producing, collecting, and analyzing data to test a large-scale web application to manage universities.

research

selected publications

A selection of my recent top-5 publications follows. They emerge from my current research trajectory in the context of software analytics.

A full list of my publications is available at the end of this document.

[ICSE 2016] Work Practices and Challenges in Pull-Based Development: The Contributor's Perspective

Georgios Gousios, Margaret-Anne Storey, Alberto Bacchelli
38th ACM/IEEE International Conference on Software Engineering, in press, 2016

[ICSE 2016] On the "Naturalness" of Buggy Code

Baishakhi Ray, Vincent Hellendoorn, Saheel Godhane, Zhaopeng Tu, Alberto Bacchelli, Premkumar Devanbu
38th ACM/IEEE International Conference on Software Engineering, in press, 2016

[SANER 2015] Untangling Fine-Grained Code Changes

Martin Dias, Alberto Bacchelli, Georgios Gousios, Damien Cassou, Stéphane Ducasse
22nd IEEE International Conference on Software Analysis, Evolution, and Reengineering, pp. 341–350, 2015

[CSCW 2015] Supporting Developers' Coordination in the IDE

Anja Guzzi, Alberto Bacchelli, Yann Riche, Arie van Deursen
18th ACM conference on Computer-Supported Cooperative Work and Social Computing, pp. 518–532, 2015

[ICSE 2013] Expectations, Outcomes, and Challenges of Modern Code Review

Alberto Bacchelli, Christian Bird
35th ACM/IEEE International Conference on Software Engineering, pp. 710–719, 2013

grants

- 2015 **NWO Top-1 grant - Persistent Code Reviewing** Co-PI, approx. 650,000 EUR
On investigating techniques to persist and generalize the knowledge that developers share when performing code reviews.
- 2014 **H2020 MSCA-ITN-2014-EID - SENECA** Co-PI, 255,374 EUR of 2,236,903 EUR
On data science for software engineering in the cloud; I supervise peer code review investigation.
- INRIA Associate Team - Improving code review tools** Co-PI, 10,000 EUR
On creating novel code review tools for dynamically typed languages.
- Google Faculty Research Award - Measuring the effect of code review** approx. 62,000 EUR
On defining new, data-driven metrics for measuring the effects of the code review process.

awards

- 2015 **Best Paper Award** CSCW 2015
"Supporting Developers' Coordination in The IDE"
- Nomination for Best Paper Award** SANER 2015
"Untangling Fine-Grained Code Changes"
- 2014 **Finalist for the Cor Baayen Award** ERCIM 2014
Each year, ERCIM awards a promising young researcher in computer science and applied mathematics with the Cor Baayen Award.
- 2013 **Nomination for ACM SIGSOFT Distinguished Paper Award** ICSE 2013
"Expectations, Outcomes, and Challenges of Modern Code Review"
- 2009 **Best Paper Award** WCRE 2009
"Benchmarking Lightweight Techniques to Link E-Mails and Source Code"
- 2008 **Best Paper Award** ICSEA 2008
"On the Effectiveness of Manual and Automatic Unit Test Generation"

travel awards

2015	ESUG sponsorship European Smalltalk User Group sponsorship to attend SANER 2015	150 EUR
2012	ACM SIGSOFT travel scholarship Travel scholarship to attend the ACM Turing Centenary 2012	500 USD
	CHOOSE sponsorship Travel sponsorship to attend ICSE 2012	500 CHF
	ESUG sponsorship European Smalltalk User Group sponsorship to attend ICSE 2012	150 EUR
2011	ESUG sponsorship European Smalltalk User Group sponsorship to attend ICSE 2011	150 EUR
2010	ACM SIGSOFT CAPS travel award Travel award to attend ICSE 2010	1,000 USD
2009	CHOOSE sponsorship Travel sponsorship to attend WCRE 2009	500 CHF

invited talks

2016	What Do Code Reviews at Microsoft and in Open Source Projects Have in Common? FOSDEM 2016	Bruxelles, Belgium
2015	Code review needs the right approach Stabiplan BV	Bodegraven, The Netherlands
	Expectations, Outcomes, and Challenges of Modern Code Review Software engineering research group (AG SE), Freie Universität Berlin	Berlin, Germany
	Software Analytics needs the right data and the right questions Software Systems Engineering Group, UCL	London, England
	Mining Unstructured Software Data Digital security group, Radboud Universiteit Nijmegen	Nijmegen, The Netherlands
	Supporting Developers' Teamwork in The IDE Software Analysis and Testing (SALT) lab, University of British Columbia	Vancouver, BC, Canada
2014	Mining Unstructured Software Data PReCISE Research Center, Université de Namur	Namur, Belgium
2012	Pearls In The MUD, Mining Structured Data in NL Artifacts Software Engineering Research Group (SERG), TU Delft	Delft, The Netherlands
	Mining Development Email Archives Computer Human Interaction & Software Engineering Lab, University of Victoria	Victoria, Canada
	Mining Development Email Archives SOCCER Lab, École Polytechnique de Montréal	Montreal, QC, Canada
	Mining Development Email Archives Software Analysis and Intelligence Lab, Queen's University	Kingston, ON, Canada

professional service

conferences

- 2017 **ICSE** (PC member)
- 2016 **ICSE** (PC member), **ICPC** (PC member), **ICSME** (Tool demo track, co-chair), **IWESEP** (PC member), **MSR** (PC member), **MUD** (SC member), **SANER** (ERA track, co-chair),
- 2015 **ASE** (Tool demo track, PC member), **FSE** (Tool demo track, PC member), **ICPC** (PC member), **ICSE** (social networking co-chair), **ICSME** (PC member), **ISEC** (PC member), **MSR** (PC member), **MUD** (SC member), **SANER** (PC member)
- 2014 **ACM SRC** (PC member), **CSEE&T** (PC member), **CSMR-WCRE** (PC member), **ECOOP** (artifact evaluation, PC member), **ICSME** (PC member), **MSR** (PC member), **MUD** (co-organizer)
- 2013 **CSS&T** (PC member), **CSMR** (ERA track, PC member) **ICPC** (ERA track, PC member), **ICSM** (Tool demo track, PC member), **MSR** (Mining challenge chair), **MUD** (co-organizer), **NaturalISE** (co-organizer), **WCRE** (PC member)
- 2012 **CSEE&T** (PC member), **CSMR** (publicity chair), **ICSM** (publicity chair), **MSR** (Mining challenge, PC member), **MUD** (co-organizer)

journal referee

- TOSEM** ACM Transactions on Software Engineering and Methodology, ACM.
- TSE** IEEE Transactions on Software Engineering, IEEE Computer Society.
- EMSE** Empirical Software Engineering: An International Journal, Springer.
- JSEP** Journal of Software: Evolution and Process (formerly known as Journal on Software Maintenance and Evolution: Research and Practice, JSME), John Wiley & Sons.
- JSS** Journal of Systems and Software, Elsevier.

teaching

instructor

- 2015–2016 **Context Project (B.Sc.)** co-coordinator, SE instructor, and context teacher, TU Delft
In this edition of the course, I also cover the role of context teacher and lead 5 groups of students in the development of “tools for software engineering.”
- Mining Software Repositories (M.Sc.)** instructor, TU Delft
This edition focused on using data from past Mining Software Conferences to either replicate previous work or conduct novel research in software analytics.
- Software Engineering Methods (B.Sc.)** instructor, TU Delft
In this edition, I kept the content and format from the previous edition, since results were satisfactory. I focused on streamlining the logistics of the group project by updating the software infrastructure and grading rubrics.
- 2014–2015 **Context Project (B.Sc.)** co-coordinator and SE instructor, TU Delft
In this edition of the course, I also introduced the use of pull-based development model (on GitHub), static analysis tools, and code reviews.
- Mining Software Repositories (M.Sc.)** instructor, TU Delft
Students learn about recent research on software analytics and implement a full data mining approach, from data collection and analysis scripts to final report writing. This edition focused on Stack Overflow data as a subject of study.
- Software Engineering Methods (B.Sc.)** instructor, TU Delft
In this edition, I introduced a group project. Students develop a fully working game and iterate over it using SCRUM and guided by weekly assignments.
- 2013–2014 **Context Project (B.Sc.)** co-coordinator and SE instructor, TU Delft
Students learn to develop, implement, validate, present, and demonstrate a software product that satisfies the needs of an external party in a given non-ICT context. I co-coordinate the 8 teachers involved and I am responsible for supervising and evaluating the software engineering aspects of the course. Students have to follow SCRUM and continuous integration and testing.
- Software Evolution Seminars (M.Sc.)** co-instructor, TU Delft
Students form groups of two and present and debate in class recent papers about software evolution. The teachers guide the discussion and evaluate students’ presentations and participation in debates.
- Software Engineering Methods (B.Sc.)** instructor, TU Delft
Students learn the basics of software engineering. Topics include requirements engineering, advanced OO programming, design patterns, modeling with UML, agile methodologies, software visualization. Students are graded every week with personal assignments.
- 2012–2013 **Software Tools (B.Sc.)** instructor, Università della Svizzera Italiana
Students learn the basic tools for computer scientists, including html, latex, text versioning with subversion, shell scripting.

assistant

- Software Design and Evolution (M.Sc.)** (2010–2011, Università della Svizzera Italiana)
- Software Engineering for Web Applications (B.Sc.)** (2010–2011, Università della Svizzera Italiana)
- Programming Fundamentals I (B.Sc.)** (2009–2010, 2010–2011, Università della Svizzera Italiana)

training

Completing the Dutch University Teaching Qualification (Basis Kwalificatie Onderwijs, BKO).
Details about this qualification are available online: <http://goo.gl/D5cZF8>

student supervision

- in progress **Anand Sawant** Ph.D. student since Jan 2016, TU Delft
Mining fine-grained large-scale API usage
Initial results from this work have been published as a journal paper at EMSE.
- Vincent Hellendoorn** Ph.D. student since Jan 2016, UC Davis (co-supervision with P. Devanbu)
Software Linguistics
Investigating statistical language models in software engineering.
- Marco Di Biase** Ph.D. student since Jan 2016, TU Delft (also with SIG)
Code review and security
Investigating security in the context of code review.
- Luca Pascarella** Ph.D. student since Jan 2016, TU Delft
The effects of code review
Investigating metrics to determine the effect of code review.
- Menno Oudshoorn and Bart de Jonge** Honors students, TU Delft
Unobtrusive automated support for software developers
In the process of analyzing how to automatically detect whether a developer is in need of external help.
- 2015 **Reinier Hartog** M.Sc. Thesis, TU Delft
Octopull: Supporting reviews of pull-requests
Developed and evaluated a tool to integrate the output of static analysis tools in pull-requests.
- Anand Sawant** M.Sc. Thesis, TU Delft
Mining fine-grained API usage from GitHub
Initial results from this thesis have been published as a data paper at MSR 2015.
- Vincent Hellendoorn** M.Sc. Thesis, TU Delft
Empirical Software Linguistics: An Investigation of Code Reviews, Recommendations and Faults
This thesis was graded 10/10 (given to less than 1% of theses at TU Delft) and won the **Award for the Best Thesis** of the Faculty in 2015.
Results from this thesis have been published as a full paper at MSR 2015 and a tool demonstration track paper at ICSE 2015.
- 2012 **Tommaso Dal Sasso** M.Sc. Thesis, Università della Svizzera Italiana (co-supervision with M. Lanza)
Fine-grained Content Classification of Development emails
Further research on this topic led to a full paper at ICSE 2012.
- Luca Ponzanelli** M.Sc. Thesis, Università della Svizzera Italiana (co-supervision with M. Lanza)
Exploiting Crowd Knowledge in the IDE
Further research on this topic led to a workshop paper at RSSE 2012 and a conference paper at CSMR 2013.
- Ebrisa Savina Mastrodicasa** B.Sc. Project, Università della Svizzera Italiana (co-supervision with M. Lanza)
Extractive Summarization of Development Emails
This work was presented at BENEVOL 2012. Further research led to a workshop paper at TAinSM 2012.
- Lorenzo Baracchi** B.Sc. Project, Università della Svizzera Italiana (co-supervision with M. Lanza)
Visual Storytelling of Software Systems
- 2011 **Francesco Rigotti** M.Sc. Thesis, Università della Svizzera Italiana (co-supervision with M. Lanza)
Visualizing Software Systems and Team Activity
Further research on this topic led to a student paper at Eclipse-IT 2011.
- 2010 **Remo Lemma** B.Sc. Project, Università della Svizzera Italiana (co-supervision with M. Lanza)
Ebony - Visualizing the DBLP Database
- Vitezslav Humpa** M.Sc. Thesis, Università della Svizzera Italiana (co-supervision with M. Lanza)
REmail - Integrating e-mail Communication in the Eclipse IDE
Further research on this topic led to a workshop paper at SUITE 2010 and a conference paper at CSMR 2011.

references

prof. dr. Arie van Deursen

Role: Professor (head of the Software Engineering Research Group)
Affiliation: Delft University of Technology
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Email: arie.vandeursen@tudelft.nl
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dr. Thomas Zimmermann

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Affiliation: Microsoft Research
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Web: <http://thomas-zimmermann.com/>
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prof. dr. Premkumar T. Devanbu

Role: Professor
Affiliation: University of California, Davis
Address: Department of Computer Science, Engineering II, Davis CA 95616 (USA)
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complete list of publications

Peer-reviewed conferences are accepted in software engineering as high-quality scholarly articles. This point is expressed in the article “Research Evaluation for Computer Science” in *Communications of the ACM* (April 2009).¹

The International Conference on Software Engineering (ICSE) is considered the most prestigious conference, with the highest standards in the software engineering field.² I have published 5 papers in the main track at ICSE.

According to Google scholar (Mar 15, 2016), my h-index is 15 with 689 citations showing an upward trend.

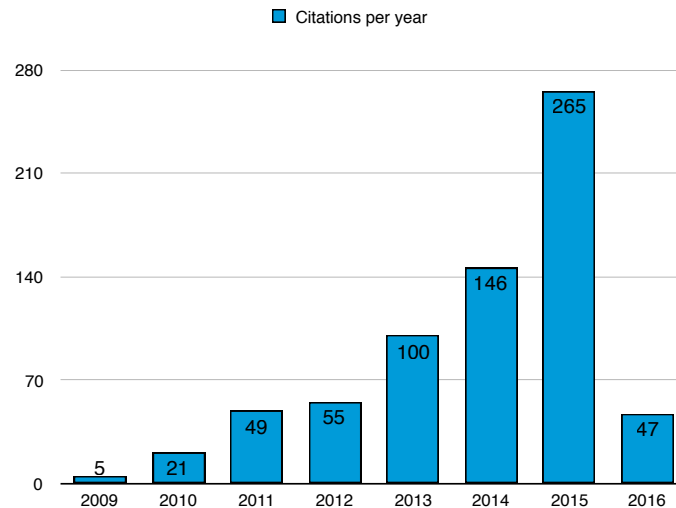


Figure 1: Citations per year, according to Google Scholar on Mar 15, 2016.

international peer-reviewed conference papers

[ICSE 2016] Work Practices and Challenges in Pull-Based Development: The Contributor's Perspective

Georgios Gousios, Margaret-Anne Storey, Alberto Bacchelli
38th ACM/IEEE International Conference on Software Engineering, in press, 2016

[GECCO 2016] A Search-based Training Algorithm for Cost-aware Defect Prediction

Annibale Panichella, Carol V. Alexandru, Sebastiano Panichella, Alberto Bacchelli, Harald C. Gall
Proceedings of the Genetic and Evolutionary Computation Conference, in press, 2016

[ICSE 2016] On the "Naturalness" of Buggy Code

Baishakhi Ray, Vincent Hellendoorn, Saheel Godhane, Zhaopeng Tu, Alberto Bacchelli, Premkumar Devanbu
38th ACM/IEEE International Conference on Software Engineering, in press, 2016

[SANER 2015] Untangling Fine-Grained Code Changes

Martin Dias, Alberto Bacchelli, Georgios Gousios, Damien Cassou, Stéphane Ducasse
22nd IEEE International Conference on Software Analysis, Evolution, and Reengineering, pp. 341–350, 2015

[CSCW 2015] Supporting Developers' Coordination in the IDE

Anja Guzzi, Alberto Bacchelli, Yann Riche, Arie van Deursen
18th ACM conference on Computer-Supported Cooperative Work and Social Computing, pp. 518–532, 2015

[MSR 2015] Will they like this? Evaluating Code Contributions With Language Models

Vincent Hellendoorn, Premkumar Devanbu, Alberto Bacchelli
12th Working Conference on Mining Software Repositories, pp. 157–167, 2015

[MSR 2015] A Dataset For API Usage

Anand Sawant, Alberto Bacchelli
12th Working Conference on Mining Software Repositories, Data Track, pp. 506–509, 2015

¹This point is also underlined by Michael D. Ernst (Professor at the University of Washington, and previously researcher at Microsoft Research and tenured professor at MIT): “conference papers are arguably more prestigious than journal publications: oftentimes, conferences have higher standards and lower acceptance rates.” For a copy: <http://sback.it/other/ernst-conf-vs-journal-uscis.pdf>.

²This is also expressed, for example, in the article: “Automatic and versatile publications ranking for research institutions and scholars” in *Communications of the ACM* (June 2007)

- [MSR 2014] Modern Code Reviews in Open-Source Projects: Which Problems Do They fix?
Moritz Beller, Alberto Bacchelli, Andy Zaidman, Elmar Juergens
11th IEEE Working Conference on Mining Software Repositories, pp. 202–211, 2014
- [QSIC 2014] Quantitatively Exploring Non-code Software Artifacts
Luca Bigliardi, Michele Lanza, Alberto Bacchelli, Marco D'Ambros
14th International Conference on Quality Software, pp. 286–295, 2014
- [QSIC 2014] Understanding and Classifying the Quality of Technical Forum Questions
Luca Ponzanelli, Andrea Mocchi, Alberto Bacchelli, Michele Lanza
14th International Conference on Quality Software, pp. 343–352, 2014
- [ICSM 2014] Improving Low Quality Stack Overflow Post Detection
Luca Ponzanelli, Andrea Mocchi, Alberto Bacchelli, Michele Lanza, David Fullerton
30th International Conference on Software Maintenance and Evolution, Industrial Track, pp. 541–544, 2014
- [ICSE 2013] Expectations, Outcomes, and Challenges of Modern Code Review
Alberto Bacchelli, Christian Bird
35th ACM/IEEE International Conference on Software Engineering, pp. 710–719, 2013
- [MSR 2013] Communication in Open Source Software Development Mailing Lists
Anja Guzzi, Alberto Bacchelli, Michele Lanza, Martin Pinzger, Arie Deursen
10th IEEE Working Conference on Mining Software Repositories, pp. 277–286, 2013
- [ICPC 2013] Manhattan: Supporting Real-Time Visual Team Activity Awareness
Michele Lanza, Marco D'Ambros, Alberto Bacchelli, Lile Hattori, Francesco Rigotti
21st IEEE International Conference on Program Comprehension, ERA Track, pp. 207–210, 2013
- [CSMR 2013] Leveraging Crowd Knowledge for Software Comprehension and Development
Luca Ponzanelli, Alberto Bacchelli, Michele Lanza
17th European Conference on Software Maintenance and Reengineering, pp. 57–66, 2013
- [ICSE 2013] Seahawk: Stack Overflow in the IDE
Luca Ponzanelli, Alberto Bacchelli, Michele Lanza
35th International Conference on Software Engineering, Tool Demo Track, pp. 1295–1298, 2013
- [ICSE 2012] Content Classification of Development Emails
Alberto Bacchelli, Tommaso Sasso, Marco D'Ambros, Michele Lanza
34th ACM/IEEE International Conference on Software Engineering, pp. 375–385, 2012
- [ICSE 2011] Exploring, exposing, and exploiting emails to include human factors in software engineering
Alberto Bacchelli
33rd ACM/IEEE International Conference on Software Engineering, pp. 1074–1077, 2011
- [ASE 2011] Extracting Structured Data from Natural Language Documents with Island Parsing
Alberto Bacchelli, Anthony Cleve, Michele Lanza, Andrea Mocchi
26th IEEE/ACM International Conference On Automated Software Engineering, pp. 476–479, 2011
- [ICSE 2011] Miler: A Toolset for Exploring Email Data
Alberto Bacchelli, Michele Lanza, Marco D'Ambros
33rd ACM/IEEE International Conference on Software Engineering, pp. 1025–1027, 2011
- [CSMR 2011] RTFM (Read The Factual Mails) –Augmenting Program Comprehension with REmail
Alberto Bacchelli, Michele Lanza, Vitezslav Humpa
15th IEEE European Conference on Software Maintenance and Reengineering, pp. 15–24, 2011
- [FASE 2010] Are Popular Classes More Defect Prone?
Alberto Bacchelli, Marco D'Ambros, Michele Lanza
13th International Conference on Fundamental Approaches to Software Engineering, pp. 59–73, 2010
- [ICPC 2010] Extracting Source Code from E-Mails
Alberto Bacchelli, Marco D'Ambros, Michele Lanza
18th IEEE International Conference on Program Comprehension, pp. 24–33, 2010
- [ICSE 2010] Linking E-Mails and Source Code Artifacts
Alberto Bacchelli, Michele Lanza, Romain Robbes
32nd International Conference on Software Engineering, pp. 375–384, 2010
- [QSIC 2010] On the Impact of Design Flaws on Software Defects
Marco D'Ambros, Alberto Bacchelli, Michele Lanza
10th International Conference on Quality Software, pp. 23–31, 2010
- [WCRE 2009] Benchmarking Lightweight Techniques to Link E-Mails and Source Code

Alberto Bacchelli, Marco D'Ambros, Michele Lanza, Romain Robbes
16th IEEE Working Conference on Reverse Engineering, pp. 205–214, 2009

[ICSEA 2008] On the Effectiveness of Manual and Automatic Unit Test Generation
Alberto Bacchelli, Paolo Ciancarini, Davide Rossi
3rd International Conference on Software Engineering Advances, pp. 252–257, 2008

peer-reviewed journal articles

[EMSE] fine-GRAPe: fine-Grained API usage Extractor – An Approach and Dataset to Investigate API Usage
Anand Sawant, Alberto Bacchelli
Empirical Software Engineering. EMSE (2016) minor revision submitted. Springer, 2016

[SCP] IRISH: A Hidden Markov Model to Detect Coded Information Islands in Free Text
Luigi Cerulo, Max Di Penta, Alberto Bacchelli, Michele Ceccarelli, Gerardo Canfora
Science of Computer Programming. SCP 105 (July 2015) pp. 26–43. Elsevier, 2015

[ETRD] Team design communication patterns in e-learning design and development
Chrysi Rapanta, Marcelo Maina, Nicole Lotz, Alberto Bacchelli
Educational Technology Research and Development. ETRD 61.4 (2013) pp. 581–605. Springer, 2013

[IJAS] How to compare and exploit different techniques for unit-test generation
Alberto Bacchelli, Paolo Ciancarini, Davide Rossi
International Journal On Advances in Software. IJAS 2.1 (2009) pp. 131–146. Iaria, 2009

international peer-reviewed workshop papers

[TAinSM 2012] On The Road to Hades–Helpful Automatic Development Email Summarization
Alberto Bacchelli, Michele Lanza, Ebrisa Mastrodicasa
1st International Workshop on on the Next Five Years of Text Analysis in Software Maintenance, 2012

[RSSE 2012] Harnessing Stack Overflow for the IDE
Alberto Bacchelli, Luca Ponzanelli, Michele Lanza
3rd International Workshop on Recommendation Systems for Software Engineering, pp. 26–30, 2012

[Eclipse-IT 2011] REmail -Blending Talk and Work in Eclipse
Alberto Bacchelli, Lorenzo Baracchi, Michele Lanza
6th Workshop of the Italian Eclipse Community, pp. 303–306, 2011

[Eclipse-IT 2011] Manhattan, A 3D City Visualization in Eclipse
Alberto Bacchelli, Francesco Rigotti, Lile Hattori, Michele Lanza
6th Workshop of the Italian Eclipse Community, pp. 307–310, 2011

[SUITE 2010] Towards Integrating E-Mail Communication in the IDE
Alberto Bacchelli, Michele Lanza, Vitezslav Humpa
2nd International Workshop on Search-driven Development: Users, Infrastructure, Tools and Evaluation, pp. 1–4, 2010

[FAMOOSr 2009] Miler - A Tool Infrastructure to Analyze Mailing Lists
Alberto Bacchelli, Michele Lanza, Marco D'Ambros
3rd International Workshop on FAMIX and Moose in Reengineering, 2009

other peer-reviewed publications

[MSR 2015] Quality questions need quality code: Classifying code fragments on StackOverflow
Maarten Duijn, Adam Kucera, Alberto Bacchelli
12th Working Conference on Mining Software Repositories, Mining Challenge Track, 2015

[MSR 2015] Automatic Assessments of Code Explanations: Predicting answering times on Stack Overflow
Selman Ercan, Quinten Stokkink, Alberto Bacchelli
12th Working Conference on Mining Software Repositories, Mining Challenge Track, 2015

[MSR 2015] ETA: Estimated Time of Answer, Predicting Response Time in Stack Overflow
Jeffrey Goderie, Brynjolfur Mar Georgsson, Bastiaan Graafeiland, Alberto Bacchelli
12th Working Conference on Mining Software Repositories, Mining Challenge Track, 2015

[MSR 2015] One-day flies on StackOverflow - Why the vast majority of StackOverflow users only posts once
Rogier Slag, Mike Waard, Alberto Bacchelli
12th Working Conference on Mining Software Repositories, Mining Challenge Track, 2015

[WCRE 2012] Workshop on Mining Unstructured Data (MUD) ... because “mining unstructured data is like fishing in muddy waters”!

Alberto Bacchelli, Nicolas Bettenburg, Latifa Guerrouj

19th Working Conference on Reverse Engineering, 2012

[WCRE 2013] Workshop on Mining Unstructured Data (MUD) ... because “mining unstructured data is like fishing in muddy waters”!

Alberto Bacchelli, Nicolas Bettenburg, Latifa Guerrouj, Sonia Haiduc

19th Working Conference on Reverse Engineering, 2012

[CSEET 2011] Erase and Rewind - Learning by Replaying Examples

Lile Hattori, Alberto Bacchelli, Mircea Lungu, Michele Lanza

24th International Conference on Software Engineering Education and Training, 2011