

Sebastiano Panichella - Publications list

REFEREED
JOURNAL
PUBLICATIONS

In papers marked with (*) the authors are listed in alphabetic order.

Journal Publications after the P.h.D.

- [1] Rafael Kallis, Andrea Di Sorbo, Gerardo Canfora, Sebastiano Panichella: : Predicting Issue Types on GitHub. *Journal of Science of Computer Programming*. doi:<https://www.sciencedirect.com/science/article/abs/pii/S0167642320302069>
- [2] Valentina Lenarduzzi, Jeremy Daly, Antonio Martini, Sebastiano Panichella, Damian Andrew Tamburri: Towards a Technical Debt Conceptualization for Serverless Computing. *IEEE Software*. doi:<https://ieeexplore.ieee.org/document/9222009>
- [3] Andrea Di Sorbo, Giovanni Grano, Aaron Visaggio and Sebastiano Panichella: Investigating the Criticality of User Reported Issues through their Relations with App Rating. *Journal of Software: Evolution and Process (JSEP) Journal*. doi:To Appear
- [4] Sebastiano Panichella and Nik Zaugg: An Empirical Investigation of Relevant Changes and Automation Needs in Modern Code Review. *Empirical Software Engineering (EMSE) Journal*. doi:<https://link.springer.com/article/10.1007%2Fs10664-020-09870-3>
- [5] Yu Zhou, Yanqi Su, Taolue Chen, Zhiqiu Huang, Harald Gall, Sebastiano Panichella: User Review-Based Change File Localization for Mobile Applications . *Transactions on Software Engineering (TSE) Journal*. doi:<https://doi.org/10.1109/TSE.2020.2967383>
- [6] Fiorella Zampetti, Carmine Vassallo, Sebastiano Panichella, Gerardo Canfora, Harald Gall, Massimiliano Di Penta: **An Empirical Characterization of Bad Practices in Continuous Integration**. *Empirical Software Engineering (EMSE)*. doi:<https://doi.org/10.1109/TSE.2019.2946773>
- [7] Giovanni Grano, Christoph Laaber, Annibale Panichella, and Sebastiano Panichella: **Testing with Fewer Resources: An Adaptive Approach to Performance-Aware Test Case Generation**. *Transactions on Software Engineering (TSE)*. doi:<https://doi.org/10.1109/TSE.2019.2946773>
- [8] A. Sorbo, S. Panichella, Aaron Visaggio, Di Massimiliano Di Penta, Canfora Gerardo, and Harald Gall. **Exploiting Natural Language Structures in Software Informal Documentation**. *Transactions on Software Engineering (TSE)* 2019. doi:<https://doi.org/10.1109/TSE.2019.2930519>
- [9] C. Vassallo, S. Panichella, F. Palomba, S. Proksch, Harald Gall, Andy Zaidman. **How Developers Engage with Static Analysis Tools in Different Contexts**. *Empirical Software Engineering (EMSE)* 2019.
- [10] G.Grano, T. Titov, S. Panichella, H. Gall: **Branch Coverage Prediction in Automated Testing**. *Journal of Software: Evolution and Process (JSEP)* 2019. doi:<https://doi.org/10.1016/j.infsof.2019.05.005>

- [11] C. Alexandru, S. Panichella, S. Proksch, Harald Gall. ***Redundancy-free Analysis of Multi-revision Software Artifacts**. *Empirical Software Engineering (EMSE)* 2019.
doi:<http://doi.acm.org/10.1145/3276954.3276960>
- [12] Y. Zhou and C. Wang and Y. Xin and T. Chen and S. Panichella and H. Gall . **Automatic Detection and Repair Recommendation of Directive Defects in Java API Documentation**. *Transaction on Software Engineering 2018* - <https://ieeexplore.ieee.org/document/8478004>.
- [13] G. Canfora, A. De Lucia, M. Di Penta, R. Oliveto, A. Panichella, S. Panichella. ***Defect Prediction as a Multi-Objective Optimization Problem**. *Software Testing, Verification and Reliability (STVR)* 2015.
doi:[10.1002/stvr.1570](https://doi.org/10.1002/stvr.1570)

Journal Publications during the PhD study:

- [14] G. Bavota, G. Canfora, M. Di Penta, R. Oliveto, S. Panichella. ***How the Apache Community Upgrades Dependencies**. *Empirical Software Engineering (EMSE)* 2014.
doi:[10.1007/s10664-014-9325-9](https://doi.org/10.1007/s10664-014-9325-9)
- [15] A. De Lucia, M. Di Penta, R. Oliveto, A. Panichella, S. Panichella. ***Applying a Smoothing Filter to Improve IR-based Traceability Recovery Processes: An Empirical Investigation**. *Information and Software Technology (INFOSOF)* 2012.
doi:[10.1016/j.infsof.2012.08.002](https://doi.org/10.1016/j.infsof.2012.08.002)
- [16] A. De Lucia, M. Di Penta, R. Oliveto, A. Panichella, S. Panichella. ***Labeling Source Code with Information Retrieval Methods: An Empirical Study**. *Empirical Software Engineering (EMSE)* 2013. doi:[doi:10.1007/s10664-013-9285-5](https://doi.org/10.1007/s10664-013-9285-5)

Journal Publications during the master study:

- [17] G. Capobianco, A. De Lucia, R. Oliveto, A. Panichella, S. Panichella. ***Improving IR-based traceability recovery via noun-based indexing of software artifacts**. *Journal of Software: Evolution and Process (JSE)* 2012.
doi:[10.1002/smr.1564](https://doi.org/10.1002/smr.1564)

CONFERENCE
PUBLICATIONS

In papers marked with (*) the authors are listed in alphabetic order.

Conference Publications after the Ph.D.:

- [18] Mathias Birrer, Pooja Ruhel, Sebastiano Panichella, and Oscar Nierstrasz: **Makar: A Framework for Multi-source Studies based on Unstructured Data** *International Conference on Software Analysis, Evolution and Reengineering (SANER 2021)* - to Appear.
- [19] Annibale Panichella, Sebastiano Panichella, Gordon Fraser, Anand Ashok Sawant and Vincent Hellendoorn: **Revisiting Test Smells in Automatically Generated Tests: Limitations, Pitfalls, and Opportunities** *International Conference on Software Maintenance and Evolution (ICSME 2020)* - to Appear.

- [20] Devjeet Roy, Ziyi Zhang, Maggie Ma, Venera Arnaoudova, Annibale Panichella, Sebastiano Panichella, Danielle Gonzalez, Mehdi Mirakhorli: **DeepTC-Enhancer: Improving the Readability of Automatically Generated Tests**. *IEEE/ACM International Conference on Automated Software Engineering* - to Appear.
- [21] Xavier Devroey, Sebastiano Panichella and Alessio Gambi: **Java Unit Testing Tool Competition-Eighth Round..** *IEEE/ACM 42nd International Conference on Software Engineering Workshops (ICSE 2020)* - to Appear.
- [22] Sebastiano Panichella and Marcela Ruiz: **Requirements-Collector: Automating Requirements Specification from Elicitation Sessions and User Feedback**. *IEEE International Requirements Engineering Conference (RE'20)*. to Appear.
- [23] Usman Ashraf, Christoph Mayr-Dorn, Alexander Egyed, and Sebastiano Panichella: **A Mixed Graph-Relational Dataset of Socio-technical interactions in Open Source Systems**. *Mining Software Repositories (MSR 2020)*. - to Appear.
- [24] Muhammad Ilyas Azeem, Sebastiano Panichella, Andrea Di Sorbo, Alexander Serebrenik, and Qing Wang: **Action-based Recommendation in Pull-request Development**. *International Conference on Software and System Processes (ICSSP2020)* - to Appear.
- [25] Rafael Kallis, Andrea Di Sorbo, Gerardo Canfora and Sebastiano Panichella: ICSE 2019 - To Appear. **Ticket Tagger: Machine Learning Driven Issue Classification**. *35th IEEE International Conference on Software Maintenance and Evolution (ICSME 2019)* - to Appear.
- [26] Y. Zhou, C. Wang, Y. Xin, T. Chen, Sebastiano Panichella, and H. Gall.: ICSE 2019 - To Appear. **DRONE: A Tool to Detect and Repair Directive Defects in Java APIs Documentation**. *International Conference on Software Engineering, ICSE 2019* - to Appear.
- [27] Diego Martin, Sebastiano Panichella. **The Cloudification Perspectives of Search-based Software Testing**. *The 12th Int. Workshop on Search-Based Software Testing, 2019* - to Appear.
- [28] Carol V. Alexandru; Jose J. Merchante; Sebastiano Panichella; Sebastian Proksch; Harald C. Gall; Gregorio Robles. **On the Usage of Pythonic Idioms..** *Onward! 2018* - to Appear.
- [29] S. Panichella. **Summarization Techniques for Code, Change, Testing and User Feedback..** *Proceedings of the IEEE 25th International Conference on Software Analysis, Evolution and Reengineering (SANER 2018)* - <https://doi.org/10.1109/VST.2018.8327148>.
- [30] G. Grano, T. Titov, S. Panichella, H. Gall. **How High Will It Be? Using Machine Learning Models to Predict Branch Coverage in Automated Testing**. *MaLTesQuE (collocated with SANER 2018)* - <https://doi.org/10.1109/MALTESQUE.2018.8368454>.

- [31] L. Pelloni, G. Grano, A. Ciurumelea, S. Panichella, F. Palomba, H. Gall. **BE-CLOMA: Augmenting Stack Traces with User Review Information..** *Proceedings of the IEEE 25th International Conference on Software Analysis, Evolution and Reengineering (SANER 2018)* - <https://doi.org/10.1109/SANER.2018.8330252>.
- [32] A. Ciurumelea, S. Panichella, H. Gall. **Automated User Reviews Analyser..** *Proceedings of the 40th International Conference on Software Engineering (ICSE 2018)* - <http://doi.acm.org/10.1145/3183440.3194988>.
- [33] G. Grano, A. Ciurumelea, S. Panichella, F. Palomba, H. Gall. **Exploring the Integration of User Feedback in Automated Testing of Android Applications..** *Proceedings of the IEEE 25th International Conference on Software Analysis, Evolution and Reengineering (SANER 2018)* - <https://doi.org/10.1109/SANER.2018.8330198>.
- [34] C. Vassallo, S. Panichella, F. Palomba, S. Proksch, A. Zaidman and H. Gall. **Context is King: The Developer Perspective on the Usage of Static Analysis Tools..** *Proceedings of the IEEE 25th International Conference on Software Analysis, Evolution and Reengineering (SANER 2018)* - <https://doi.org/10.1109/SANER.2018.8330195>.
- [35] G. Grano, A. Di Sorbo, F. Mercaldo, C. Visaggio, G. Canfora, S. Panichella. **Android Apps and User Feedback: a Dataset for Software Evolution and Quality Improvement..** *Proceedings of the International Workshop on App Market Analytics (WAMA 2017)*. <http://doi.acm.org/10.1145/3121264.3121266>
- [36] C. Vassallo, G. Schermann, F. Zampetti, D. Romano, P. Leitner, A. Zaidman, M. di Penta, S. Panichella. **A Tale of CI Build Failures: an Open Source and a Financial Organization Perspective..** *Proceedings of the 33rd International Conference on Software Maintenance and Evolution (ICSME 2017)*. *Core RANK: A*. <https://doi.org/10.1109/ICSME.2017.67>
- [37] C. V. Alexandru, S. Panichella, Harald Gall. **Replicating Parser Behavior using Neural Machine Translation.** *Proceedings of the 25th International Conference on Program Comprehension (ICPC 2017)*. *Core RANK: C*. <https://doi.org/10.1109/ICPC.2017.11>
- [38] A. Di Sorbo, S. Panichella, C. V. Alexandru, C. A. Visaggio, G. Canfora. **SURF: Summarizer of User Reviews Feedback.** *Demonstrations Track of the 39th International Conference on Software Engineering (ICSE 2017)*. *Core RANK: A**. <https://doi.org/10.1109/ICSE-C.2017.5>
- [39] F. Palomba, P. Salza, A. Ciurumelea, S. Panichella, H. Gall, F. Ferrucci, A. De Lucia **Recommending and Localizing Change Requests for Mobile Apps based on User Reviews.** In: *39th International Conference on Software Engineering (ICSE 2017)*. *Core RANK: A**. <https://doi.org/10.1109/ICSE.2017.18>
- [40] Y. Zhou, R. Gu, T. Chen, Z. Huang, S. Panichella, H. Gall. **Analyzing APIs Documentation and Code to Detect Directive Defects.** In: *39th International Conference on Software Engineering (ICSE 2017)*. *Core RANK: A**. <https://doi.org/10.1109/ICSE.2017.11>

- [41] A. Ciurumelea, A. Schaufelbuhl, S. Panichella, Harald Gall. **Analyzing Reviews and Code of Mobile Apps for better Release Planning**. In: *Proceedings of the 24th IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER) 2017. Klagenfurt, Austria*. <https://doi.org/10.1109/SANER.2017.7884612>
- [42] C. Alexandru, S. Panichella, Harald Gall. **Reducing Redundancies in Multi-Revision Code Analysis**. In: *24th IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER) 2017. Klagenfurt, Austria*. <https://doi.org/10.1109/SANER.2017.7884617>
- [43] S. Panichella, A. Di Sorbo, E. Guzman, C. Visaggio, G. Canfora, H. Gall. **ARdoc: App Reviews Development Oriented Classifier**. In: *24th ACM SIGSOFT International Symposium on the Foundations of Software Engineering* will be held in Seattle, WA, USA. *Core RANK: A**. <http://doi.acm.org/10.1145/2950290.2983938>
- [44] A. Di Sorbo, S. Panichella, C. V. Alexandru, J. Shimagaki, C. A. Visaggio, G. Canfora, H. Gall. **What Would Users Change in My App? Summarizing App Reviews for Recommending Software Changes**. In: *24th ACM SIGSOFT International Symposium on the Foundations of Software Engineering* will be held in Seattle, WA, USA. *Core RANK: A*. <http://doi.acm.org/10.1145/2950290.2950299>
- [45] A. Panichella, C. Alexandru, S. Panichella, A. Bacchelli, H. Gall. **A Search-based Training Algorithm for Cost-aware Defect Prediction**. *25th International Conference on Genetic Algorithms (ICGA) and the 21st Annual Genetic Programming Conference (GP) (GECCO 2016)*. Denver, Colorado, USA. *Core RANK: A*. <http://doi.acm.org/10.1145/2908812.2908938>
- [46] S. Panichella, A. Panichella, M. Bella, A. Zaidman, H. Gall. **The impact of test case summaries on bug fixing performance: An empirical investigation**. In: *Proceedings of the 38th International Conference on Software Engineering (ICSE 2016)*, Austin, TX. *Core RANK: A**. <http://doi.acm.org/10.1145/2884781.2884847>
- [47] A. Di Sorbo, S. Panichella, C. Visaggio, M. Di Penta, G. Canfora, H. Gall. . **DECA: Development Emails Content Analyzer**. In: *Proceedings of the 38th International Conference on Software Engineering (ICSE 2016)*, Austin, TX. *Core RANK: A**. <http://doi.acm.org/10.1145/2889160.2889170>
- [48] S. Panichella. **Supporting Newcomers in Software Development Projects**. In: *Proceedings of the 31st International Conference on Software Maintenance and Evolution (ICSME 2015)*. Bremen, Germany. *Core RANK: A*. <https://doi.org/10.1109/ICSM.2015.7332519>
- [49] A. Di Sorbo, S. Panichella, C. Visaggio, M. Di Penta, G. Canfora, H. Gall. **Development Emails Content Analyzer: Intention Mining in Developer Discussions**. In: *30th international conference on Automated Software Engineering (ASE 2015)*. Lincoln, Nebraska. *Core RANK: A*. <https://doi.org/10.1109/ASE.2015.12>
- [50] S. Panichella, A. Di Sorbo, E. Guzman, C. Visaggio, G. Canfora, H. Gall. **How Can I Improve My App? Classifying User Reviews for Software Maintenance and Evolution**. In: *Proceedings of the 31st International Conference*

on Software Maintenance and Evolution (ICSME 2015). Bremen, Germany. Core RANK: A.
<https://doi.org/10.1109/ICSM.2015.7332474>

- [51] G. Schermann, M. Brandtner, S. Panichella, P. Leitner, H. Gall. **Discovering Loners and Phantoms in Commit and Issue Data**. In: *Proceedings of the 37th International Conference on Program Comprehension (ICPC 2015)*. Firenze, Italy. Core RANK: C.
<https://doi.org/10.1109/ICPC.2015.10>
- [52] S. Panichella, V. Arnaoudova, M. Di Penta, G. Antoniol. **Would Static Analysis Tools Help Developers with Code Reviews?**. In: *Proceedings of the 22nd International Conference on Software Analysis, Evolution and Reengineering (SANER 2015)*. Montreal, Canada.
<https://doi.org/10.1109/SANER.2015.7081826>

Conference Publications during the PhD experience:

- [53] S. Panichella, G. Bavota, M. Di Penta, G. Canfora, G. Antoniol. **How Developers' Collaborations Identified from Different Sources Tell us About Code Changes**. In: *Proceedings of the 30th International Conference on Software Maintenance and Evolution (ICSME 2014)*. Victoria, Canada. Core RANK: A.
<https://doi.org/10.1109/ICSME.2014.47>
- [54] G. Bavota, S. Panichella, N. Tsantalis, M. Di Penta, R. Oliveto, G. Canfora. **Recommending Refactorings based on Team Co-Maintenance Patterns**. In: *29th international conference on Automated Software Engineering (ASE 2014)*. Vasteras, Sweden. Core RANK: A.
<https://doi.org/10.1109/ICSE.2017.18>
- [55] C. Vassallo, S. Panichella, G. Canfora, M. Di Penta. **CODES: mining source Code Descriptions from developers discussions**. In: *Proceedings of the 36th International Conference on Program Comprehension (ICPC 2014)*. Hyderabad, India. Core RANK: C.
<http://doi.acm.org/10.1145/2597008.2597799>
- [56] S. Panichella, G. Canfora, M. Di Penta, R. Oliveto. **How the Evolution of Emerging Collaborations Relates to Code Changes: an Empirical Study**. In: *Proceedings of the 36th International Conference on Program Comprehension (ICPC 2014)*. Hyderabad, India. Core RANK: C.
<http://doi.acm.org/10.1145/2597008.2597145>
- [57] G. Bavota, G. Canfora, M. Di Penta, R. Oliveto, S. Panichella. ***The Evolution of Project Inter-Dependencies in a Software Ecosystem: the Case of Apache**. In: *Proceedings of the 29th International Conference on Software Maintenance (ICSM 2013)*. Eindhoven, Netherlands. Core RANK: A.
<https://doi.org/10.1109/ICSM.2013.39>
- [58] G. Bavota, G. Canfora, M. Di Penta, R. Oliveto, S. Panichella. ***An Empirical Investigation on Documentation Usage Patterns in Maintenance Tasks**. In: *Proceedings of the 29th International Conference on Software Maintenance (ICSM 2013)*. Eindhoven, Netherlands. Core RANK: A.
<https://doi.org/10.1109/ICSM.2013.32>
- [59] G. Canfora, M. Di Penta, S. Giannantonio, R. Oliveto, S. Panichella. ***YODA: Young and newcOmer Developer Assistant**. In: *Proceedings of the 35th*

International Conference on Software Engineering (ICSE 2013). San Francisco, CA, USA. *Core RANK: A**.
<https://doi.org/10.1109/ICSE.2013.6606710>

- [60] G. Canfora, A. De Lucia, M. Di Penta, R. Oliveto, A. Panichella, S. Panichella. ***Multi-Objective Cross-Project Defect Prediction**. In: *Proceedings of the 7th International Conference on Software Testing, Verification and Validation (ICST 2013)*. Luxembourg. *Core RANK: A*.
<https://doi.org/10.1109/ICST.2013.38>
- [61] G. Canfora, M. Di Penta, R. Oliveto, S. Panichella. ***Who is going to Mentor Newcomers in Open Source Projects?**. In: *Proceedings of the 29th ACM SIGSOFT International Symposium on Foundations of Software Engineering (FSE 2012)*. Cary, North Carolina, USA. *Core RANK: A**.
<http://doi.acm.org/10.1145/2393596.2393647>
- [62] A. De Lucia, M. Di Penta, R. Oliveto, A. Panichella, S. Panichella. ***Using IR Methods for Labeling Source Code Artifacts: Is It Worthwhile?**. In: *Proceedings of the 20th IEEE International Conference on Program Comprehension (ICPC)*, 2012. Passau, Germany. *Core RANK: C*.
<https://doi.org/10.1109/ICPC.2012.6240488>
- [63] S. Panichella, J. Aponte, M. Di Penta, A. Marcus, G. Canfora. **Mining source code descriptions from developer communications**. In: *Proceedings of the 20th IEEE International Conference on Program Comprehension (ICPC)*, 2012. Passau, Germany. *Core RANK: C*.
<https://doi.org/10.1109/ICPC.2012.6240510>
- [64] A. De Lucia, M. Di Penta, R. Oliveto, A. Panichella, S. Panichella. ***Improving IR-based Traceability Recovery Using Smoothing Filters**. In: *Proceedings of the 19th IEEE International Conference on Program Comprehension (ICPC)* 2011. Kingston, ON, Canada. *Core RANK: C*.
<https://doi.org/10.1109/ICPC.2011.34>

Conference Publications during the bachelor and master studies:

- [65] G. Capobianco, A. De Lucia, R. Oliveto, A. Panichella, S. Panichella. ***On the role of the nouns in IR-based traceability recovery**. In: *Proceedings of the 19th IEEE International Conference on Program Comprehension (ICPC)* 2009. Vancouver, British Columbia, Canada. *Core RANK: C*.
<https://doi.org/10.1109/ICPC.2009.5090038>
- [66] G. Capobianco, A. De Lucia, R. Oliveto, A. Panichella, S. Panichella. ***Traceability Recovery Using Numerical Analysis**. In: *Proceedings of the 16th IEEE Working Conference on Reverse Engineering (WCRE)* 2009. Lille, France. *Core RANK: B*.
<https://doi.org/10.1109/WCRE.2009.14>

BOOK CHAPTERS:

1. Harald C. Gall, Carol V. Alexandru, Adelina Ciurumelea, Giovanni Grano, Christoph Laaber, Sebastiano Panichella, Sebastian Proksch, Gerald Schermann, Carmine Vassallo, Jitong Zhao: **Data-Driven Decisions and Actions in Today's Software Development**. *The Essence of Software Engineering 2018*: 137-168

AWARDS

Best Paper Awards¹:

1. G. Grano, T. Titov, S. Panichella, H. Gall. **How High Will It Be? Using Machine Learning Models to Predict Branch Coverage in Automated Testing.** *MaLTesQuE* (collocated with SANER 2018)
2. **Best paper award**
A. De Lucia, M. Di Penta, R. Oliveto, A. Panichella, S. Panichella. ***Improving IR-based Traceability Recovery Using Smoothing Filters.** In: *Proceedings of the 19th IEEE International Conference on Program Comprehension (ICPC)* 2011. Kingston, ON, Canada. *Core RANK: B.*
3. **Best tool award**
C. Vassallo, S. Panichella, G. Canfora, M. Di Penta. **CODES: mining source Code Descriptions from developer diScussions.** In: *Proceedings of the 36th International Conference on Program Comprehension (ICPC)* 2014). Hyderabad, India. *Core RANK: B.*
4. **Best tool award**
L. Pelloni, G. Grano, A. Ciurumelea, S. Panichella, F. Palomba, H. Gall. **BE-CLoMA: Augmenting Stack Traces with User Review Information..** *Proceedings of the IEEE 25th International Conference on Software Analysis, Evolution and Reengineering* (SANER 2018)

NOMINATED AS BEST PAPER

In papers marked with (*) the authors are listed in alphabetic order.

1. Annibale Panichella, Sebastiano Panichella, Gordon Fraser, Anand Ashok Sawant and Vincent Hellendoorn: **Revisiting Test Smells in Automatically Generated Tests: Limitations, Pitfalls, and Opportunities** *International Conference on Software Maintenance and Evolution (ICSME 2020)*
2. Muhammad Ilyas Azeem, S. Panichella, Andrea Di Sorbo, Alexander Serebrenik, and Qing Wang. **Action-based Recommendation in Pull-request Development.** *International Conference on Software and System Processes (ICSSP2020)*. Invited for journal extension.
3. G. Grano, A. Ciurumelea, S. Panichella, F. Palomba, H. Gall. **Exploring the Integration of User Feedback in Automated Testing of Android Applications..** *Proceedings of the IEEE 25th International Conference on Software Analysis, Evolution and Reengineering* (SANER 2018)
4. C. Vassallo, S. Panichella, F. Palomba, S. Proksch, A. Zaidman and H. Gall. **Context is King: The Developer Perspective on the Usage of Static Analysis Tools..** *Proceedings of the IEEE 25th International Conference on Software Analysis, Evolution and Reengineering* (SANER 2018)
5. C. Alexandru, S. Panichella, Harald Gall. **Reducing Redundancies in Multi-Revision Code Analysis.** In: *24th IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER) 2017. Klagenfurt, Austria.* *Core RANK: B.*
6. S. Panichella, G. Bavota, M. Di Penta, G. Canfora, G. Antoniol. **How Developers' Collaborations Identified from Different Sources Tell us About Code Changes.** In: *Proceedings of the 30th International Conference on Software Maintenance and Evolution (ICSME 2014).* Victoria, Canada. *Core RANK: A.*

¹ In papers marked with (*) the authors are listed in alphabetic order

7. S. Panichella, G. Canfora, M. Di Penta, R. Oliveto. **How the Evolution of Emerging Collaborations Relates to Code Changes: an Empirical Study.** In: *Proceedings of the 36th International Conference on Program Comprehension (ICPC 2014)*. Hyderabad, India. *Core RANK: C*.
8. G. Bavota, G. Canfora, M. Di Penta, R. Oliveto, S. Panichella. ***The Evolution of Project Inter-Dependencies in a Software Ecosystem: the Case of Apache.** In: *Proceedings of the 29th International Conference on Software Maintenance (ICSM 2013)*. Eindhoven, Netherlands. *Core RANK: A*.
9. G. Canfora, A. De Lucia, M. Di Penta, R. Oliveto, A. Panichella, S. Panichella. ***Multi-Objective Cross-Project Defect Prediction.** In: *Proceedings of the 7th International Conference on Software Testing, Verification and Validation (ICST 2013)*. Luxembourg. *Core RANK: C*.
10. A. De Lucia, M. Di Penta, R. Oliveto, A. Panichella, S. Panichella. ***Using IR Methods for Labeling Source Code Artifacts: Is It Worthwhile?.** In: *Proceedings of the 20th IEEE International Conference on Program Comprehension (ICPC)*, 2012. Passau, Germany. *Core RANK: C*.
11. A. De Lucia, M. Di Penta, R. Oliveto, A. Panichella, S. Panichella. ***Improving IR-based Traceability Recovery Using Smoothing Filters.** In: *Proceedings of the 19th IEEE International Conference on Program Comprehension (ICPC)* 2011. Kingston, ON, Canada. *Core RANK: C*.