

# Dario Di Nucci – January 2020

## Curriculum Vitae – Including Summary of Publications

Dario Di Nucci, Male, Italian <b>DATE OF BIRTH:</b> 3 <sup>rd</sup> September, 1988 <b>PLACE OF BIRTH:</b> Isernia, Italy <b>Languages:</b> Italian (native), English (C1)	<b>ADDRESS:</b> Uilenburg 5, 5211 DA 's-Hertogenbosch, The Netherlands <b>PHONE:</b> +39 333 34 03 254 <b>E-MAIL:</b> d.dinucci@uvt.nl <b>WEBSITE:</b> <a href="http://dardin88.github.io">http://dardin88.github.io</a>
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Dario Di Nucci is an assistant professor at the Jheronimus Academy of Data Science, a joint collaboration between Tilburg University and Eindhoven Technical University. He received a PhD in Management and Information Technology from the University of Salerno in 2018 advised by Prof. Andrea De Lucia with a thesis entitled "*Methods and Tools for Focusing and Prioritizing the Testing Effort*". His research is on *empirical software engineering*, in particular *software maintenance and evolution* and *software testing*. To this aim, he applies several techniques such as *machine learning*, *search-based algorithms*, and *mining* of software repositories. He serves and has served as a program committee member of various international conferences (e.g., ESEC/FSE, ICSME, SANER, ICPC), and as referee for various international journals in the field of software engineering (e.g., TSE, TOSEM, EMSE, JSS) and artificial intelligence (e.g., TKDE, Neurocomputing).

## EDUCATION

<b>2014/12 – 2018/03</b>	<b>DOCTOR OF PHILOSOPHY (PH.D.) IN MANAGEMENT &amp; INFORMATION TECHNOLOGY</b> University of Salerno, Italy Fully funded by University of Salerno Dissertation titled "Methods and Tools for Focusing and Prioritizing the Testing Effort" advised by prof. Andrea De Lucia
<b>2017/06</b>	<b>13<sup>TH</sup> INTERNATIONAL SUMMER SCHOOL ON SOFTWARE ENGINEERING (ISSSE)</b> University of Salerno, Italy
<b>2017/03 – 2017/05</b>	<b>VISITING STUDENT</b> Delft University of Technology, The Netherlands Supervision: Prof. Andy Zaidman
<b>2016/05 – 2016/07</b>	<b>VISITING STUDENT</b> Delft University of Technology, The Netherlands Supervision: Prof. Andy Zaidman
<b>2016/06</b>	<b>12<sup>TH</sup> INTERNATIONAL SUMMER SCHOOL ON SOFTWARE ENGINEERING (ISSSE)</b> University of Salerno, Italy
<b>2015/09</b>	<b>INTERNATIONAL SUMMER SCHOOL ON SOFTWARE ENGINEERING (SE SCHOOL@UNIBZ 2015)</b> Free University of Bolzano, Italy
<b>2013/03</b>	<b>ERASMUS IP HUMAN-MACHINE INTERACTION</b> Reims, France
<b>2011/10 – 2014/09</b>	<b>MASTER'S DEGREE (M.Sc.) IN COMPUTER SCIENCE</b> University of Salerno, Italy 110/110 cum laude Dissertation titled "A defect prediction model based on relationships between developers and modified files" promoted by professor Andrea De Lucia
<b>2007/10 – 2011/05</b>	<b>BACHELOR'S DEGREE (B.Sc.) IN COMPUTER SCIENCE</b> University of Molise, Italy 110/110 cum laude

Dissertation titled "Applications of mathematical models to semantic research" promoted by professor Giovanni Capobianco

## EMPLOYMENT HISTORY

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<b>01/2020 - ACTUAL</b>	<b>ASSISTANT PROFESSOR</b> Jheronimus Academy of Data Science, Tilburg University, The Netherlands
<b>2018/12 – ACTUAL</b>	<b>POST-DOCTORAL LECTURER</b> Vrije Universiteit Brussel, Belgium <i>Capita Selecta of Software Engineering</i> (elective course in Master's in Computer Science)
<b>01/2018 – 12/2019</b>	<b>POST-DOCTORAL RESEARCHER</b> Vrije Universiteit Brussel, Belgium <i>FWO EOS project "SECO-ASSIST: Automated Assistance for Developing Software in Ecosystems of the Future" - <a href="https://secoassist.github.io/">https://secoassist.github.io/</a></i> <i>Innoviris TeampUP project "INTIMALS INTelligent Modernisation Assistance for Legacy Software" - <a href="http://soft.vub.ac.be/intimals/">http://soft.vub.ac.be/intimals/</a></i>
<b>2014/12 – 2018/03</b>	<b>PH.D. STUDENT IN MANAGEMENT &amp; INFORMATION TECHNOLOGY</b> University of Salerno, Italy Fully funded by University of Salerno. Advisor: Prof. Andrea De Lucia

## TEACHING

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**INTRODUCTION TO MACHINE LEARNING** (mandatory course in Pre-Master's in Data Science and Entrepreneurship)  
University of Tilburg, Eindhoven University of Technology, The Netherlands  
Co-holder of the course (co-holder: Prof. Damian A. Tamburri)  
Spring 2020

**DATA STATISTICS** (mandatory course in Bachelor's in Data Science)  
University of Tilburg, Eindhoven University of Technology, The Netherlands  
Co-holder of the course (co-holder: Prof. Maurits Kaptein)  
Fall 2019

**CAPITA SELECTA OF SOFTWARE ENGINEERING** (elective course in Master's in Computer Science)  
Vrije Universiteit Brussel, Belgium  
Co-holder of the course (co-holder: Prof. Coen De Roover)  
2019-2020 (yearly course), 2018-2019 (yearly course)

**SOFTWARE ENGINEERING, MANAGEMENT AND EVOLUTION** (mandatory course in Master's in Computer Science)  
University of Salerno, Italy  
Teaching assistant (holder: Prof. Andrea De Lucia)  
Spring 2017, Spring 2016

**PROGRAMMING I** (mandatory course in first year Bachelor's in Computer Science)  
University of Salerno, Italy  
Teaching assistant  
Fall 2016 (holder: Prof. Riccardo Di Stasi), Fall 2015 (holder: Prof. Enrico Fischetti)

**WEB DEVELOPMENT** (mandatory course in third year Bachelor's in Computer Science)  
University of Salerno, Italy  
Teaching assistant  
Fall 2016

**SOFTWARE ENGINEERING** (mandatory course in third year Bachelor's in Computer Science)  
University of Salerno, Italy  
Teaching assistant (holder: Prof. Andrea De Lucia)  
Fall 2016, Fall 2015

**SOFTWARE ENGINEERING: MAINTENANCE AND TESTING** (mandatory course in first year Master's in Computer Science)  
University of Salerno, Italy  
Teaching assistant (holder: Prof. Andrea De Lucia)  
Fall 2015

## **SUPERVISION OF PHD THESES – ON GOING, ADVISED:**

**[PT3] LIBRARY USAGE OPTIMIZATION VIA STATIC AND DYNAMIC ANALYSIS OF SOURCE CODE**  
Camilo Ernesto Velázquez Rodríguez (Promotor: Prof. Coen De Roover)  
Projected: end of 2022

**[PT2] MINING CHANGE HISTORIES FOR LIBRARY MIGRATION PATTERNS**  
Yunior Pacheco Correa (Promotor: Prof. Coen De Roover)  
Projected: end of 2021

**[PT1] ASSESSING TEST QUALITY AND RESILIENCE OF DISTRIBUTED APPLICATIONS**  
Jonas De Bleser (Promotor: Prof. Coen De Roover)  
Projected: end of 2020

### **SUPERVISION OF MASTER'S THESES - GRADUATED, ADVISED:**

- 2016**
- [MT5] CHECKAPP: A TOOL FOR MONITORING JAVA APPLICATION PERFORMANCE**  
Student: Elisa D'Eugenio – M.Sc. in Computer Science – Promotor: Prof. Andrea De Lucia
- [MT4] PETRA: A POWER ESTIMATION TOOL FOR ANDROID APPLICATIONS**  
Student: Antonio Prota – M.Sc. in Computer Science – Promotor: Prof. Andrea De Lucia
- 2015**
- [MT3] DEVELOPMENT AND COMPARISON OF NOVEL TECHNIQUES FOR SEARCH BASED TEST DATA GENERATION**  
Student: Giovanni Grano – M.Sc. in Computer Science – Promotor: Prof. Andrea De Lucia
- [MT2] DESIGN AND DEVELOPMENT OF A TOOL FOR THE AUTOMATIC GENERATION OF TEST CASES**  
Student: Simone Scalabrino – M.Sc. in Computer Science – Promotor: Prof. Andrea De Lucia
- [MT1] A COMBINED MODEL FOR THE PREDICTION OF DEFECTS**  
Student: Giuseppe De Rosa – M.Sc. in Computer Science – Promotor: Prof. Andrea De Lucia

### **SUPERVISION OF BACHELOR THESES - GRADUATED, ADVISED:**

- 2017**
- [BT9] DESIGN AND DEVELOPMENT OF METHODS FOR TEST CASE MINIMIZATION**  
Student: Francesco De Feo – B.Sc. in Computer Science – Promotor: Prof. Andrea De Lucia
- [BT8] DESIGN AND DEVELOPMENT OF METHODS FOR TEST CASE PRIORITIZATION**  
Student: Giuseppe Sessa – B.Sc. in Computer Science – Promotor: Prof. Andrea De Lucia
- [BT7] DESIGN AND DEVELOPMENT OF A PLUGIN FOR OPTIMIZING REGRESSION TESTING**  
Student: Gerardo Della Monica – B.Sc. in Computer Science – Promotor: Prof. Andrea De Lucia
- [BT6] DESIGN AND DEVELOPMENT OF A PLUGIN FOR THE DETECTION OF ENERGY DEFECTS OF MOBILE APPLICATIONS**  
Student: Sara Zaino – B.Sc. in Computer Science – Promotor: Prof. Andrea De Lucia
- [BT5] DESIGN AND DEVELOPMENT OF A DEFECT PREDICTION TOOL**  
Student: Giuseppina Tufano – B.Sc. in Computer Science – Promotor: Prof. Andrea De Lucia
- [BT4] DEVELOPMENT OF A SOFTWARE ENERGY ESTIMATION METHODOLOGY IN AN INTEGRATED DEVELOPMENT ENVIRONMENT**  
Student: Roberto Contaldo – B.Sc. in Computer Science – Promotor: Prof. Andrea De Lucia
- [BT3] DESIGN AND DEVELOPMENT OF A DEFECT PREDICTION TOOL BY USING CROSS-PROJECT TECHNIQUES**  
Student: Pasquale Martiniello – B.Sc. in Computer Science – Advisor: Prof. Andrea De Lucia
- 2016**
- [BT2] TRIO: A TOOL FOR REGRESSION TESTING OPTIMIZATION**  
Student: Antonio Luca D'Avanzo – B.Sc. in Computer Science – Promotor: Prof. Andrea De Lucia
- [BT1] DESIGN AND DEVELOPMENT OF A DEFECT PREDICTION TOOL**  
Student: Fabiano Pecorelli – B.Sc. in Computer Science – Promotor: Prof. Andrea De Lucia

# ACADEMIC RECORD

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Journal Articles: 6, Conference Papers: 11 (main track), 6 (tool demonstration track), 2 (miscellaneous tracks), Workshop Papers: 7  
Citations: 337, h-index: 12, <https://scholar.google.it/citations?user=YJqcbnIAAAAJ&hl=it>

## 1. JOURNAL PAPERS

[J6] G. Grano, F. Palomba, D. Di Nucci, A. De Lucia, H. Gall  
Scented Since the Beginning: On the Diffuseness of Test Smells in Automatically Generated Test Code  
Elsevier Journal of Systems and Software (JSS), 2019, to appear.

[J5] P. Salza, F. Palomba, D. Di Nucci, A. De Lucia, F. Ferrucci  
Third-Party Libraries in Mobile Apps When, How, and Why Developers Update Them  
Springer Empirical Software Engineering (EMSE), 2019, to appear.

[J4] D. Di Nucci, A. Panichella, A. Zaidman, A. De Lucia  
A Test Case Prioritization Genetic Algorithm guided by the Hypervolume Indicator  
IEEE Transactions on Software Engineering (TSE), 2019, to appear.

[J3] F. Palomba, D. Di Nucci, A. Panichella, A. Zaidman, A. De Lucia  
On the Impact of Code Smells on the Energy Consumption of Mobile Applications  
Elsevier Information and Software Technology (INFOSOFTE), 2019, Volume 105, 13 pages, 43 - 55.

[J2] D. Di Nucci, F. Palomba, G. De Rosa, G. Bavota, R. Oliveto, A. De Lucia  
A Developer Centered Bug Prediction Model  
IEEE Transactions on Software Engineering (TSE), 2018, Volume 44 Issue 1, 21 pages, 5 - 24.

[J1] D. Di Nucci, F. Palomba, R. Oliveto, A. De Lucia  
Dynamic Selection of Classifiers in Bug Prediction: an Adaptive Method  
IEEE Transactions on Emerging Topics in Computational Intelligence (TETCI), 2017, Volume 1 Issue 3, 11 pages, 202 - 212.

## 2. CONFERENCE PAPERS, MAIN TRACK (I.E., FORMALLY PUBLISHED IN INTERNATIONAL CONFERENCE PROCEEDINGS WITH PEER REVIEW)

[C11] F. Pecorelli, F. Palomba, D. Di Nucci, A. De Lucia  
Comparing Heuristic and Machine Learning Approaches for Metric-Based Code Smell Detection  
In Proceedings of the IEEE/ACM 27<sup>th</sup> International Conference on Program Comprehension (ICPC 2019), Montreal, Canada, 2019, 12 pages, 93 - 104.

[C10] G. Catolino, D. Di Nucci, F. Ferrucci  
Cross-Project Just-in-Time Bug Prediction for Mobile Apps: An Empirical Assessment  
In Proceedings of the 6<sup>th</sup> IEEE/ACM International Conference on Mobile Software Engineering and Systems (MOBILESoft 2019), Montreal, Canada, 2019, 12 pages, to appear.

[C9] J. De Bleser, D. Di Nucci, C. De Roover  
Assessing Diffusion and Perception of Test Smells in Scala Projects  
In Proceedings of the IEEE/ACM 16<sup>th</sup> International Conference on Mining Software Repositories (MSR 2019) – Montreal, Canada, 2019, 11 pages, to appear.

[C8] Y. Pacheco, J. De Bleser, T. Molderez, D. Di Nucci, W. De Meuter, C. De Roover  
Mining Scala Framework Extensions for Recommendation Patterns  
In Proceedings of the 26<sup>th</sup> IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER 2018), Hangzhou, China, 2019, 10 pages, 514 - 523.

[C7] P. Salza, F. Palomba, D. Di Nucci, C. D'Uva, A. De Lucia, F. Ferrucci  
Do Developers Update Third-Party Libraries in Mobile Apps?  
In Proceedings of the IEEE/ACM 26<sup>th</sup> International Conference on Program Comprehension (ICPC 2018), Gothenburg, Sweden, 2018, 11 pages, 255 - 265.

- [C6] L. Pascarella, F. Geiger, F. Palomba, D. Di Nucci, I. Malavolta, A. Bacchelli  
Self-Reported Activities of Android Developers  
In Proceedings of the 5<sup>th</sup> IEEE/ACM International Conference on Mobile Software Engineering and Systems (MOBILESoft 2018), Gothenburg, Sweden, 2018, 12 pages, 144 - 155.
- [C5] D. Di Nucci, F. Palomba, D. A. Tamburri, A. Serebrenik, A. De Lucia  
Detecting Code Smells using Machine Learning Techniques: Are We There Yet?  
In Proceedings of the 25<sup>th</sup> IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER 2018), Campobasso, Italy, 2018, 10 pages, 612 - 621.
- [C4] D. Di Nucci, F. Palomba, A. Prota, A. Panichella, A. Zaidman, A. De Lucia  
Software-Based Energy Profiling of Android Apps: Simple, Efficient and Reliable?  
In Proceedings of the 24<sup>th</sup> IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER 2017), Klagenfurt, Austria, 2017, 12 pages, 103-114
- [C3] S. Scalabrino, G. Grano, D. Di Nucci, R. Oliveto, A. De Lucia  
Search-based Testing of Procedural Programs: Iterative Single-Target or Multi-Target Approach?  
In Proceedings of the Symposium on Search-Based Software Engineering (SSBSE 2016), Raleigh, NC, United States, 2016, 15 pages, 64 – 79
- [C2] D. Di Nucci, F. Palomba, S. Siravo, G. Bavota, R. Oliveto, A. De Lucia  
On the Role of Developer's Scattered Changes in Bug Prediction.  
In Proceedings of the 31<sup>st</sup> International Conference on Software Maintenance and Evolution (ICSME 2015) - Bremen, Germany, 2015, 10 pages, 241-250
- [C1] D. Di Nucci, A. Panichella, A. Zaidman, A. De Lucia  
Hypervolume-based Search for Test Case Prioritization.  
In Proceedings of the Symposium on Search-Based Software Engineering (SSBSE 2015) - Bergamo, Italy, 2015, 15 pages, 157-172

### **3. CONFERENCE PAPERS, TOOL DEMONSTRATIONS TRACK (I.E., FORMALLY PUBLISHED IN INTERNATIONAL CONFERENCE PROCEEDINGS WITH PEER REVIEW)**

- [D6] J. De Bleser, D. Di Nucci, C. De Roover  
SoCRATES - Scala Radar for Test Smells  
In Proceeding of the 10<sup>th</sup> ACM SIGPLAN Scala Symposium (SCALA 2019) - Tool Paper, London, United Kingdom, 2019, 5 pages, to appear.
- [D5] S. Scalabrino, G. Grano, D. Di Nucci, M. Guerra, A. De Lucia, H. Gall, R. Oliveto  
OCELOT: a Search-Based Test-Data Generation Tool for C  
In Proceeding of the 33<sup>rd</sup> IEEE/ACM International Conference on Automated Software Engineering (ASE 2018) - Tool Demonstrations Track, Montpellier, France, 2018, 4 pages, 868 - 871.
- [D4] F. Geiger, I. Malavolta, L. Pascarella, F. Palomba, D. Di Nucci, A. Bacchelli  
A Graph-based Dataset of Commit History of Real-World Android apps  
In Proceedings of the IEEE/ACM 15<sup>th</sup> International Conference on Mining Software Repositories (MSR 2018), Gothenburg, Sweden, 2018, 5 pages, 30 - 33.
- [D3] D. Di Nucci, F. Palomba, A. Prota, A. Panichella, A. Zaidman, A. De Lucia  
PETrA: a Software-Based Tool for Estimating the Energy Profile of Android Applications  
In Proceedings of the 39<sup>th</sup> International Conference on Software Engineering (ICSE 2017) - Demonstrations Track, Buenos Aires, Argentina, 2017, 4 pages, 3-6.
- [D2] F. Palomba, D. Di Nucci, A. Panichella, A. Zaidman, A. De Lucia  
Lightweight Detection of Android-specific Code Smells: the aDoctor Project.  
In Proceedings of the 24<sup>th</sup> IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER 2017) - Tool Track, Klagenfurt, Austria, 2017, 5 pages, 487-491
- [D1] F. Palomba, D. Di Nucci, M. Tufano, G. Bavota, R. Oliveto, D. Poshyvanyk, A. De Lucia  
Landfill: an Open Dataset of Code Smells with Public Evaluation.

In Proceedings of the IEEE/ACM 12<sup>th</sup> Working Conference on Mining Software Repositories (MSR 2015) - Florence, Italy, 2015, 4 pages, 482-485

#### **4. CONFERENCE PAPERS, MISCELLANEOUS TRACKS (I.E., FORMALLY PUBLISHED IN INTERNATIONAL CONFERENCE PROCEEDINGS WITH PEER REVIEW)**

[M2] H. Son Pham, S. Nijssen, K. Mens, D. Di Nucci, T. Molderez, C. De Roover, J. Fabry, V. Zaytsev.  
Mining Patterns in Source Code using Tree Mining Algorithms.  
In Proceedings of the 22<sup>nd</sup> International Conference on Discovery Science (DS), Split, Croatia, 2019, 10 pages, to appear.

[M1] D. Di Nucci  
Methods and Tools for Focusing and Prioritizing the Testing Effort  
In Proceeding of the 34<sup>th</sup> IEEE International Conference on Software Maintenance and Evolution (ICSME 2018) - Doctoral Symposium Track, Madrid, Spain, 2018, 5 pages, 722 - 726.

#### **5. PUBLISHED WORKSHOP PAPERS (I.E., FORMALLY PUBLISHED IN INTERNATIONAL WORKSHOP PROCEEDINGS WITH PEER REVIEW)**

[W7] F. Pecorelli, D. Di Nucci, C. De Roover, A. De Lucia  
On the Role of Data Balancing for Machine Learning-based Code Smell Detection  
In Proceeding of 3<sup>rd</sup> ACM SigSoft International Workshop on Machine Learning Techniques for Software Quality Evaluation (MaLTesQuE 2019), Tallinn, Estonia, 2019, 6 pages, to appear.

[W6] D. Di Nucci, H. Son Pham, J. Fabry, C. De Roover, K. Mens, T. Molderez, S. Nijssen and V. Zaytsev  
A Language-Parametric Modular Framework for Mining Idiomatic Code Patterns  
In Proceedings of the 12<sup>th</sup> Seminar Series on Advanced Techniques & Tools for Software Evolution (SATTOSE 2019), Bolzano, Italy, 2019

[W5] Y. Pacheco, J. De Bleser, T. Molderez, D. Di Nucci, W. De Meuter, C. De Roover  
Mining Extension Point Patterns in Scala  
In Proceedings of the 17<sup>th</sup> Belgium-Netherlands Software Evolution Workshop (BENEVOL 2018), Delft, The Netherlands, 2018, 5 pages, 16 - 20.

[W4] D. Tamburri, F. Palomba, D. Di Nucci, L. Di Giacomo  
Omniscient DevOps Analytics  
In Software Engineering Aspects of Continuous Development and New Paradigms of Software Production and Deployment: 1<sup>st</sup> International Workshop (DEVOPS 2018), Chateau de Villebrumier, France, 2018, 48 - 59

[W3] D. Di Nucci, F. Palomba, A. De Lucia  
Evaluating the Adaptive Selection of Classifiers for Cross-Project Bug Prediction  
In Proceedings of the 6<sup>th</sup> International Workshop on Realizing Artificial Intelligence Synergies in Software Engineering (RAISE 2018), Gothenburg, Sweden, 2018, 7 pages, 48 - 54.

[W2] D. Di Nucci, A. De Lucia  
The Role of Meta-Learners in the Adaptive Selection of Classifiers  
In Proceeding of 2<sup>nd</sup> Workshop on Machine Learning Techniques for Software Quality Evaluation (MaLTesQuE 2018), Campobasso, Italy, 2018, 6 pages, 7 - 12.

[W1] F. Palomba, D. Di Nucci, A. Panichella, R. Oliveto, A. De Lucia  
On the Diffusion of Test Smells in Automatically Generated Test Code: An Empirical Study.  
In Proceedings of the 9<sup>th</sup> International Workshop on Search-Based Software Testing (SBST 2016) - Austin, TX, United States, 2016, 10 pages, 5-14

## 6. INVITED TALKS

- 2019**                    **[T4] MINING SOURCE CODE^3: MINING IDIOMS, USAGES AND EDITS**  
FOSDEM, Brussels, Belgium, February 3<sup>rd</sup> 2019
- 2018**                    **[T3] DEFECT PREDICTION: USING MACHINE LEARNING FOR FOCUSING THE TESTING EFFORT**  
Jheronimus Academy of Data Science, 's-Hertogenbosch, The Netherlands, March 9<sup>th</sup> 2018
- 2017**                    **[T2] DEFECT PREDICTION: USING MACHINE LEARNING FOR FOCUSING THE TESTING EFFORT**  
Jheronimus Academy of Data Science, 's-Hertogenbosch, The Netherlands, December 5<sup>th</sup> 2017
- [T1] DIAGNOSE AND DETECT ENERGY FLAWS OF ANDROID APPS**  
Vrije Universiteit Brussel, Brussels, Belgium. March 23<sup>rd</sup> 2017

## 7. SERVICE TO THE SCIENTIFIC COMMUNITY

### ORGANIZATION OF EVENTS RELATED TO SOFTWARE ENGINEERING

- 2020**                    **ORGANISER**  
3<sup>rd</sup> International Workshop on Software Health (SoHeal), Seoul, South Korea
- PUBLICITY CHAIR**  
28<sup>th</sup> IEEE/ACM International Conference on Program Comprehension (ICPC), Seoul, South Korea
- PROGRAM CHAIR**  
1<sup>st</sup> Workshop on ENgineering Intelligent Applications' Code (ENIAC20), Porto, Portugal
- 2019**                    **ORGANIZER**  
18<sup>th</sup> Belgium-Netherlands Software Evolution Workshop (BENEVOL19), Brussels, Belgium
- COMMITTEE MEMBER**  
14<sup>th</sup> International Summer School on Software Engineering (ISSSE), University of Salerno, Italy
- 2017**                    **SCIENTIFIC SECRETARIAT**  
13<sup>th</sup> International Summer School on Software Engineering (ISSSE), University of Salerno, Italy
- 2016**                    **SCIENTIFIC SECRETARIAT**  
12<sup>th</sup> International Summer School on Software Engineering (ISSSE), University of Salerno, Italy

### PROGRAM COMMITTEE MEMBER OF INTERNATIONAL CONFERENCES

- 2020**                    46<sup>th</sup> Euromicro Conference on Software Engineering and Advanced Applications (SEAA) - Journal First Track
- 28<sup>th</sup> International Conference on Program Comprehension 2020 (ICPC) - Research Track
- 27<sup>th</sup> IEEE International Conference on Software Analysis, Evolution, and Reengineering (SANER) - Research Track, Journal First Track, Tool Demo Track
- 2019**                    35<sup>th</sup> IEEE International Conference on Software Maintenance and Evolution (ICSME) - Tool Demo Track
- 27<sup>th</sup> ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE) - Artefact Evaluation Track



	6 <sup>th</sup> IEEE/ACM International Conference on Mobile Software Engineering and Systems (MOBILESoft) - Student Research Competition
	5 <sup>th</sup> International Conference on Advances and Trends in Software Engineering (SOFTENG)
<b>2018</b>	34 <sup>th</sup> IEEE International Conference on Software Maintenance and Evolution (ICSME) - Tool Demo Track
	5 <sup>th</sup> IEEE/ACM International Conference on Mobile Software Engineering and Systems (MOBILESoft) - Student Research Competition

#### **PROGRAM COMMITTEE MEMBER OF INTERNATIONAL WORKSHOPS**

<b>2019</b>	2 <sup>nd</sup> International Workshop on Cloud-Native Applications Design and Experience (CNAX)
	3 <sup>rd</sup> International Workshop on Machine Learning Techniques for Software Quality Evaluation (MaLTesQuE)
<b>2018</b>	1 <sup>st</sup> International Workshop on Cloud-Native Applications Design and Experience (CNAX)
	2 <sup>nd</sup> Workshop on Machine Learning Techniques for Software Quality Evaluation (MaLTesQuE)
	10 <sup>th</sup> International Conference on Advances in System Testing and Validation Lifecycle (VALID)
<b>2017</b>	9 <sup>th</sup> International Conference on Advances in System Testing and Validation Lifecycle (VALID)

#### **EDITORIAL BOARD MEMBER OF INTERNATIONAL JOURNALS AND BLOG**

<b>2019 - ACTUAL</b>	IEEE Software Blog
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#### **REVIEWER**

<b>INTERNATIONAL JOURNALS</b>	Advances in Software Engineering - Elsevier Applied Soft Computing - Elsevier Computational Intelligence - Wiley Empirical Software Engineering - Springer IEEE Access - IEEE IET Software - Institution of Engineering and Technology Information Processing Letters - Elsevier Journal of Software: Evolution and Process - Wiley Journal of Systems and Software - Elsevier Neurocomputing - Elsevier Science of Computer Programming - Elsevier Scientific Programming - Hidawi Software Quality Journal - Springer Transactions on Knowledge and Data Engineering - IEEE Transactions on Software Engineering - IEEE Transactions on Software Engineering and Methodology - ACM
<b>INTERNATIONAL CONFERENCES</b>	IEEE International Conference on Software Analysis, Evolution, and Reengineering: 2017, 2018 IEEE International Conference on Program Comprehension: 2016, 2019 IEEE International Conference on Software Maintenance and Evolution: 2016 (ERA Track), 2018, 2019 International Conference on Business Information Systems: 2015, 2016 International Conference on Distributed Multimedia Systems: 2015, 2016 International Conference on Enterprise Information Systems: 2015, 2016, 2017 International Conference on Mining Software Repositories: 2019

## **8. AWARDS**

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|-------------|---|
| <b>2017</b> | <b>NSF TRAVEL SUPPORT</b><br>Symposium on Search-Based Software Engineering (SSBSE), Raleigh, NC, United States                               |
| <b>2015</b> | <b>ACM SIGSOFT STUDENT TRAVEL GRANT</b><br>37 <sup>th</sup> ACM/IEEE International Conference on Software Engineering (ICSE), Florence, Italy |