Fabio Calefato

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0000-0003-2654-1588 | Google Scholar | bateman

Current Position

Associate Professor, University of Bari, Dept. of Computer Science – Bari, Italy — Nov 2022 – present

- Holds the national habilitation as Full Professor since Dec 2023

Co-founder and CEO, PeoplewareAI s.r.l. – Bari, Italy — Feb 2021 – present

- PeoplewareAI is a spin-off company of the University of Bari, founded to transfer the results of research in the field of AI and software engineering to the market

Education

University of Bari, Italy, **PhD** in **Computer Science** — Jan 2004 – May 2007

- *Thesis: "Supporting Synchronous Communication in Distributed Software Teams"*
- *Thesis listed among the ACM SIGSOFT select Ph.D. Dissertations in the Area of Software Engineering*

University of Bari, Italy, **MSc** in **Computer Science** — Sept 1996 – Oct 2002

- *Thesis: "P2P Conferences in JXTA"*
- *Graduation grade: 110/110 with honors*

Research Experience

Tenure-track Assistant Professor, University of Bari, Dept. of Computer Science – Bari, Italy — Nov 2019 – Nov 2022

Untenured Assistant Professor, University of Bari, Jonian Dept. – Taranto, Italy — Nov 2015 – Nov 2019

Postdoctoral Research Fellow, University of Bari, Dept. of Computer Science – Bari, Italy — July 2013 – July 2015

Postdoctoral Research Fellow, University of Bari, Dept. of Computer Science – Bari, Italy — Apr 2010 – Mar 2013

Postdoctoral Research Fellow, University of Bari, Dept. of Computer Science – Bari, Italy — Apr 2007 – Nov 2008

Bibliometrics

Google Scholar: *h*-index 30, 3,100+ citations

Scopus: *h*-index 21, 1,500+ citations

Selected Publications

A multivocal literature review on the benefits and limitations of industry-leading AutoML tools — 2025

L. Quaranta, K. Azevedo, ***F. Calefato***, M. Kalinowski

Inf. Softw. Technol., vol. 178, doi: 10.1016/J.INFSOF.2024.107608, rank: SJR Q1

A lot of talk and a badge: An exploratory analysis of personal achievements in GitHub — 2024

F. Calefato, L. Quaranta, F. Lanubile

Inf. Softw. Technol., vol. 176, doi: 10.1016/J.INFSOF.2024.107561, rank: SJR Q1

Generative AI in Software Engineering Must Be Human-Centered: The Copenhagen Manifesto — 2024

D. Russo, S. Baltes, N. Berkel, P. Avgeriou, ***F. Calefato***, B. Cabrero-Daniel, G. Catolino, J. Cito, N. Ernst, T. Fritz, H. Hata, R. Holmes, M. Izadi, F. Khomh, M. Kjærgaard, G. Liebel, A. Lluch-Lafuente, S. Lambiase, W. Maalej, G. Murphy, N. Moe, G. O'Brien, E. Paja, M. Pezzè, J. Persson, R. Prikladnicki, P. Ralph, M. Robillard, T. Silva, K.J. Stol, M.A. Storey, V. Stray, P. Tell, C. Treude, B. Vasilescu

J. Syst. Softw., vol. 216, doi: 10.1016/J.JSS.2024.112115, rank: SJR Q1

Assessing the Use of AutoML for Data-Driven Software Engineering 2023

F. Calefato, L. Quaranta, F. Lanubile, M. Kalinowski

ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM 2023, New Orleans, LA, USA, October 26-27, 2023, doi: 10.1109/ESEM56168.2023.10304796, rank: ICORE A

Eliciting Best Practices for Collaboration with Computational Notebooks 2022

L. Quaranta, ***F. Calefato***, F. Lanubile

Proc. ACM Hum. Comput. Interact., vol. 6, no. CSCW1, doi: 10.1145/3512934, rank: ICORE A

Using Personality Detection Tools for Software Engineering Research: How Far Can We Go? 2022

F. Calefato, F. Lanubile

ACM Trans. Softw. Eng. Methodol., vol. 31, no. 3, doi: 10.1145/3491039, rank: SJR Q1

What Makes Agile Software Development Agile? 2022

M. Kuhrmann, P. Tell, R. Hebig, J. Klünder, J. Münch, O. Linssen, D. Pfahl, M. Felderer, C. Prause, S. MacDonell, J. Nakatumba-Nabende, D. Raffo, S. Beecham, E. Tüzün, G. López, N. Paez, D. Fontdevila, S. Licorish, S. Küpper, G. Ruhe, E. Knauss, Ö. Özcan-Top, P. Clarke, F. McCaffery, M. Genero, A. Vizcaíno, M. Piattini, M. Kalinowski, T. Conte, R. Prikladnicki, S. Krusche, A. Coskunçay, E. Scott, ***F. Calefato***, S. Pimonova, R.H. Pfeiffer, U. Schultz, R. Heldal, M. Fazal-Baqaie, C. Anslow, M. Nayebi, K. Schneider, S. Sauer, D. Winkler, S. Biffl, M. Bastarrica, I. Richardson

IEEE Trans. Software Eng., vol. 48, no. 9, doi: 10.1109/TSE.2021.3099532, rank: SJR Q1

A Preliminary Investigation of MLOps Practices in GitHub 2022

F. Calefato, F. Lanubile, L. Quaranta

ESEM '22: ACM / IEEE International Symposium on Empirical Software Engineering and Measurement, Helsinki, Finland, September 19 - 23, 2022, doi: 10.1145/3544902.3546636, rank: ICORE A

Pynblint: a static analyzer for Python Jupyter notebooks 2022

L. Quaranta, ***F. Calefato***, F. Lanubile

Proceedings of the 1st International Conference on AI Engineering: Software Engineering for AI, CAIN 2022, Pittsburgh, Pennsylvania, May 16-17, 2022, doi: 10.1145/3522664.3528612

An In-Depth Analysis of Occasional and Recurring Collaborations in Online Music Co-creation 2021

F. Calefato, G. Iaffaldano, L. Trisolini, F. Lanubile

ACM Trans. Soc. Comput., vol. 4, no. 4, doi: 10.1145/3493800

Will You Come Back to Contribute? Investigating the Inactivity of OSS Core Developers in GitHub 2021

F. Calefato, M. Gerosa, G. Iaffaldano, F. Lanubile, I. Steinmacher

CoRR, vol. abs/2103.04656, rank: SJR Q1

Assessment of off-the-shelf SE-specific sentiment analysis tools: An extended replication study 2021

N. Novielli, ***F. Calefato***, F. Lanubile, A. Serebrenik

Empir. Softw. Eng., vol. 26, no. 4, doi: 10.1007/S10664-021-09960-W, rank: SJR Q1

Towards Productizing AI/ML Models: An Industry Perspective from Data Scientists 2021

F. Lanubile, ***F. Calefato***, L. Quaranta, M. Amoruso, F. Fumarola, M. Filannino

1st IEEE/ACM Workshop on AI Engineering - Software Engineering for AI, WAIN@ICSE 2021, Madrid, Spain, May 30-31, 2021, doi: 10.1109/WAIN52551.2021.00027

Love, Joy, Anger, Sadness, Fear, and Surprise: SE Needs Special Kinds of AI: A Case Study on Text Mining and SE 2020

N. Novielli, ***F. Calefato***, F. Lanubile

IEEE Softw., vol. 37, no. 3, doi: 10.1109/MS.2020.2968557, rank: SJR Q2

Can We Use SE-specific Sentiment Analysis Tools in a Cross-Platform Setting? 2020

N. Novielli, ***F. Calefato***, D. Dongiovanni, D. Girardi, F. Lanubile

MSR '20: 17th International Conference on Mining Software Repositories, Seoul, Republic of Korea, 29-30 June, 2020, doi: 10.1145/3379597.3387446, rank: ICORE A

A large-scale, in-depth analysis of developers' personalities in the Apache ecosystem 2019

F. Calefato, F. Lanubile, B. Vasilescu

Inf. Softw. Technol., vol. 114, doi: 10.1016/J.INFSOF.2019.05.012, rank: SJR Q1

RECODE: revision control for digital images 2019

F. Calefato, G. Castellano, V. Rossano

Multim. Tools Appl., vol. 78, no. 23, doi: 10.1007/S11042-019-7735-9, rank: SJR Q2

An empirical assessment of best-answer prediction models in technical Q&A sites 2019

F. Calefato, F. Lanubile, N. Novielli

Empir. Softw. Eng., vol. 24, no. 2, doi: 10.1007/S10664-018-9642-5, rank: SJR Q1

Agile Collaboration for Distributed Teams [Software Technology] 2019

F. Calefato, C. Ebert

IEEE Softw., vol. 36, no. 1, doi: 10.1109/MS.2018.2874668, rank: SJR Q2

How to ask for technical help? Evidence-based guidelines for writing questions on Stack Overflow 2018

F. Calefato, F. Lanubile, N. Novielli

Inf. Softw. Technol., vol. 94, doi: 10.1016/J.INFSOF.2017.10.009, rank: SJR Q1

Investigating Crowd Creativity in Online Music Communities 2018

F. Calefato, G. Iaffaldano, F. Lanubile, F. Maiorano

Proc. ACM Hum. Comput. Interact., vol. 2, no. CSCW, doi: 10.1145/3274296, rank: ICORE A

Assessing the impact of real-time machine translation on multilingual meetings in global software projects 2016

F. Calefato, F. Lanubile, T. Conte, R. Prikladnicki

Empir. Softw. Eng., vol. 21, no. 3, doi: 10.1007/S10664-015-9372-X, rank: SJR Q1

Moving to Stack Overflow: Best-Answer Prediction in Legacy Developer Forums 2016

F. Calefato, F. Lanubile, N. Novielli

Proceedings of the 10th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM 2016, Ciudad Real, Spain, September 8-9, 2016, doi: 10.1145/2961111.2962585, rank: ICORE A

The role of social media in affective trust building in customer-supplier relationships 2015

F. Calefato, F. Lanubile, N. Novielli

Electron. Commer. Res., vol. 15, no. 4, doi: 10.1007/S10660-015-9194-3, rank: SJR Q2

Cost Savings in Global Software Engineering: Where's the Evidence? 2015

D. Smite, ***F. Calefato***, C. Wohlin

IEEE Softw., vol. 32, no. 4, doi: 10.1109/MS.2015.102, rank: SJR Q2

Mining Successful Answers in Stack Overflow 2015

F. Calefato, F. Lanubile, M. Marasciulo, N. Novielli

12th IEEE/ACM Working Conference on Mining Software Repositories, MSR 2015, Florence, Italy, May 16-17, 2015, doi: 10.1109/MSR.2015.56, rank: ICORE A

Speech Recognition for Voice-Based Machine Translation 2014

T. Duarte, R. Prikladnicki, ***F. Calefato***, F. Lanubile

IEEE Softw., vol. 31, no. 1, doi: 10.1109/MS.2014.14, rank: SJR Q2

An empirical simulation-based study of real-time speech translation for multilingual global project teams 2014

F. Calefato, F. Lanubile, R. Prikladnicki, J. Pinto

2014 ACM-IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM '14, Torino, Italy, September 18-19, 2014, doi: 10.1145/2652524.2652537, rank: ICORE A

Group Awareness in Global Software Engineering 2013

F. Lanubile, ***F. Calefato***, C. Ebert

IEEE Softw., vol. 30, no. 2, doi: 10.1109/MS.2013.30, rank: SJR Q2

Computer-mediated communication to support distributed requirements elicitations and negotiations tasks 2012

F. Calefato, D. Damian, F. Lanubile

Empir. Softw. Eng., vol. 17, no. 6, doi: 10.1007/S10664-011-9179-3, rank: SJR Q1

Assessing the impact of real-time machine translation on requirements meetings: a replicated experiment 2012

F. Calefato, F. Lanubile, T. Conte, R. Prikladnicki

2012 ACM-IEEE International Symposium on Empirical Software Engineering and Measurement, ESEM '12, Lund, Sweden - September 19 - 20, 2012, doi: 10.1145/2372251.2372299, rank: ICORE A

Investigating the use of tags in collaborative development environments: a replicated study 2010

F. Calefato, D. Gendarmi, F. Lanubile

Proceedings of the International Symposium on Empirical Software Engineering and Measurement, ESEM 2010, 16-17 September 2010, Bolzano/Bozen, Italy, doi: 10.1145/1852786.1852818, rank: ICORE A

Using frameworks to develop a distributed conferencing system: an experience report 2009

F. Calefato, F. Lanubile

Softw. Pract. Exp., vol. 39, no. 15, doi: 10.1002/SPE.937, rank: SJR Q2

A Controlled Experiment on the Effects of Synchronicity in Remote Inspection Meetings 2007

F. Calefato, F. Lanubile, T. Mallardo

Proceedings of the First International Symposium on Empirical Software Engineering and Measurement, ESEM 2007, September 20-21, 2007, Madrid, Spain, doi: 10.1109/ESEM.2007.61, rank: ICORE A

Events Organization

Program Co-Chair

- *40th Int'l Conf. on Software Maintenance and Evolution (ICSME'24), Flagstaff, AZ, USA, Oct 2024, iCORE rank: A*
- *16th Int'l Conf. on Cooperative and Human Aspects of Software Engineering (CHASE'23), Melbourne, Australia, May 2023*
- *8th Int'l Workshop on Social Software Engineering (SSE'16), Seattle, WA, USA, Nov 14, 2016 – co-located with FSE'16*
- *1st Int'l Workshop on Trust in Virtual Teams: Theory and Tools, San Antonio, TX, USA, Feb 24, 2013 – co-located with CSCW'13*

General Chair

- *14th Int'l Conf. on Global Software Engineering (ICGSE'19), Montreal, Canada, 25-26 May 2018, ICORE rank: C*

Steering Board Member

- *Int'l Conf. on Global Software Engineering (ICGSE), 2019-2022, ICORE rank: C*

Track Co-Chair

- *43th Int'l Conf. on Software Engineering (ICSE'21), Student Contest on Software Engineering (SCORE) track, Madrid, Spain, May 2021, ICORE rank: A**

Workshops & Tutorials Co-Chair

- *23rd Int'l Conf. on Product-Focused Software Process Improvement (PROFES'23), Jyväskylä, Finland, 21-23 November 2022, ICORE rank: B*

Workshops Co-Chair

- *10th Int'l Conf. on Global Software Engineering (ICGSE'15), Ciudad Real, Spain, 13-16 July 2015, ICORE rank: C*

Open-science Co-Chair

- *15th Int'l Symposium on Empirical Software Engineering and Measurement (ESEM'21), Bari, Italy, 11-15 Oct 2021, ICORE rank: A*
- *14th Int'l Symposium on Empirical Software Engineering and Measurement (ESEM'20), Bari, Italy, 5-9 Oct 2020, ICORE rank: A*

Publicity & Social Media Chair

- *21st Int'l Conf. on Agile Software Development (XP'20), Copenhagen, Denmark, 8-12 June 2020, ICORE rank: B*
- *13th Int'l Conf. on Global Software Engineering (ICGSE'18), Gothenburg, Sweden, 28-29 May 2018, ICORE rank: C*
- *8th Int'l Conf. on Global Software Engineering (ICGSE'13), Bari, Italy, 26-29 Aug 2013, ICORE rank: C*

Editorial Activities

Associate Editor

- *Elsevier 'Journal of Systems and Software' (JSS), rank: SJR Q1*
- *Springer 'Automated Software Engineering' (ASE)*

Guest Editor

- *2024 Springer 'Empirical Software Engineering' (EMSE), rank: SJR Q1. Special Issue on "Software Maintenance and Evolution." Co-editor: Sarah Nadi (New York University, Abu Dhabi)*
- *2023: Springer 'Empirical Software Engineering' (EMSE), rank: SJR Q1. Special Issue on "Cooperative and Human Aspects of Software Engineering". Co-editors: Hourieh Khalajzadeh (Deakin University, Australia) and Igor Steinmacher (NAU, USA)*
- *2021: Elsevier 'Journal of System and Software' (JSS), rank: SJR Q1. Special Issue on "Global Software Engineering: Challenges and Solutions." Vol. 174, Apr. 2021. Co-editors: Alpana Dubey (Accenture Labs, India), Christof Ebert (Vector Consulting, Germany), Paolo Tell (IT University of Copenhagen, Denmark)*

Review Board Member

- *2023 – present: Replicated Computational Results Distinguished Reviewers Board for ACM 'Transactions on Software Engineering and Methodology' (TOSEM), rank: SJR Q1*
- *2020 – 2022: ACM 'Transactions on Software Engineering and Methodology' (TOSEM), rank: SJR Q1*
- *2015 – 2019: Springer 'Journal of Empirical Software Engineering' (EMSE, SJR Q1), rank: SJR Q1*

Peer Reviews (partial list) – verified record on Clarivate

- *(23) Springer 'Journal of Empirical Software Engineering' (EMSE), rank: SJR Q1*
- *(19) IEEE 'Transactions on Software Engineering' (TSE), rank: SJR Q1*
- *(16) ACM 'Transactions on Software Engineering and Methodology' (TOSEM), rank: SJR Q1*
- *(12) Elsevier 'Journal of System and Software' (JSS), rank: SJR Q1*
- *(8) Elsevier 'Information and Software Technology' (INFSOF), rank: SJR Q1*
- *(7) Wiley 'Journal of Software: Evolution and Process' (JSEP), rank: SJR Q2*
- *(5) IEEE 'Software,' rank: SJR Q2*
- *(2) IEEE 'Transactions on Affective Computing,' rank: SJR Q1*
- *(1) ACM 'Transactions on Internet Technologies' (TOIT), rank: SJR Q1*

Institutional Services

Rector's Delegate for the GARR Network

- *May 2023 - present: The GARR Consortium is the Italian national research and education network, providing high-speed Internet connectivity and advanced services to universities and research institutions.*

CS Dept. Director's Delegate for Internship Programs

- *Mar 2023 - present: Responsibilities include overseeing the development and implementation of internship programs, coordinating with industry partners, mentoring students, ensuring compliance with academic standards, and evaluating the effectiveness of the internship experiences.*

Awards

Best Paper Award: *14th Int'l Conf. on Global Software Engineering (ICGSE'19), Montreal, Canada*

FABBR 2017 Award: *Winner of the national selection procedure 'Fondo per il finanziamento delle attività base di ricerca (FFABR) 2017,' established by the Italian Ministry of University and Research (MUR) and intended for the annual funding of basic research activities of associate professors and researchers*

Keynote Presentations

The Potential and Challenges of Personality Detection in Software Engineering Research – 4th Int'l Workshop on Affective Computing in Requirements Engineering (AffectRE'21), co-located with RE'21 — Sept 2021

Facing Communication Challenges in Distributed Software Development – 1st Int'l Workshop on Virtual Teams: Experiences in Global Software Engineering (VirtuES '13), co-located with ICGSE'13 — Aug 2016

Membership in Program Committees

- 32nd IEEE Int'l Conf. on Software Analysis, Evolution, and Reengineering (*SANER'25*), Montréal, Canada 4-7 Mar. 2025, ICORE rank: A
- 47th IEEE/ACM Int'l Conf. on Software Engineering (*ICSE'25*) – SEIS track, Ottawa, Canada, April 27-May 3 2025, ICORE rank: A*
- 47th IEEE/ACM Int'l Conf. on Software Engineering (*ICSE'25*) – Workshops track, Ottawa, Canada, April 27-May 3 2025, ICORE rank: A*
- 46th IEEE/ACM Int'l Conf. on Software Engineering (*ICSE'24*) – SEIS track, Lisbon, Portugal, 14-20 Apr. 2024, ICORE rank: A*
- 46th IEEE/ACM Int'l Conf. on Software Engineering (*ICSE'24*) – Workshops track, Lisbon, Portugal, 14-20 Apr. 2024, ICORE rank: A*
- 46th IEEE/ACM Int'l Conf. on Software Engineering (*ICSE'24*) – Student Research Competition (SRC) track, Lisbon, Portugal, 14-20 Apr. 2024, ICORE rank: A*
- 18th ACM/IEEE Int'l Symposium on Empirical Software Engineering and Measurement (*ESEM'24*), Barcelona, Spain 24-25 Oct. 2024, ICORE rank: A
- 21st Int'l Conf. on Mining Software Repositories (*MSR'24*) – Mining Challenge track, Lisbon, Portugal, 15-16 Apr. 2024, ICORE rank: A
- 3rd Int'l Conf. on AI Engineering – Software Engineering for AI (*CAIN'24*), Lisbon, Portugal, 14-15 Apr. 2024
- 1st IEEE/ACM Workshop on Multi-disciplinary, Open, and RElevant Requirements Engineering (*MO2RE'24*), Lisbon Portugal 16 Apr. 2024
- 17th ACM/IEEE Int'l Symposium on Empirical Software Engineering and Measurement (*ESEM'23*), New Orleans, USA 26-27 Oct. 2023, ICORE rank: A
- 39th Int'l Conf. on Software Maintenance and Evolution (*ICSME'23*) – NIER track, Bogotà, Colombia, 1-6 Oct. 2023, ICORE rank: A
- 45th IEEE/ACM Int'l Conf. on Software Engineering – Posters track (*ICSE'23*), Melbourne, Australia, 14-20 May 2023, ICORE rank: A*
- 23rd Int'l Conf. on Product-Focused Software Process Improvement (*PROFES'23*), Dornbirn, Austria 10-13 Dec. 2023, ICORE rank: B
- 30th IEEE/ACM Int'l Conf. on Program Comprehension – ERA track (*ICPC'22*), Pittsburgh, USA, 16–17 May 2022, ICORE rank: A
- 17th Int'l Conf. on Global Software Engineering (*ICSSP/ICGSE'22*), Pittsburgh, USA, 19–20 May 2022, ICORE rank: C
- 15th IEEE/ACM Int'l Conf. on Cooperative and Human Aspects of Software Engineering (*CHASE'22*) Pittsburgh, USA, 18–19 May 2022
- 1st IEEE/ACM Workshop on Natural Language-based Software Engineering (*NLBSE'22*), Pittsburgh, USA, 8

May 2022

- 29th IEEE Int'l Conf. on Software Analysis, Evolution and Reengineering (*SANER'22*), Honolulu, USA, 15 Mar. 2022, ICORE rank: A
- 23rd Int'l Conf. on Agile Software Development (*XP'22*), Copenhagen, Denmark, 13-17 June 2022, ICORE rank: B
- 16th ACM/IEEE Symposium on Empirical Software Engineering and Measurement (*ESEM'21*) - Emerging Results and Vision Track, online, 14-15 Oct. 2021, ICORE rank: A
- 22nd Int'l Conf. on Agile Software Development (*XP'21*), online, 14-18 June 2021, ICORE rank: B
- 37th IEEE Int'l Conf. on Software Maintenance and Evolution (*ICSME'21*) - NIER Track, online, 27 Sept. - 1 Oct. 2021, ICORE rank: A
- 14th ACM/IEEE Int'l Conf. on Cooperative and Human Aspects of Software Engineering (*CHASE'21*), online, 20-21 May 2021
- 17th Int'l Conf. on Open-Source Software (*OSS'21*), online, 12 May 2021
- 16th ACM/IEEE Int'l Conf. on Global Software Engineering (*ICSSP/ICGSE'21*), online, 18-19 May 2021,' ICORE rank: C
- 17th IEEE/ACM Int'l Conf. on Mining Software Repositories (*MSR'20*) – Mining Challenge track, online, 29-30 June 2020, ICORE rank: A
- 15th ACM/IEEE Symposium on Empirical Software Engineering and Measurement (*ESEM'20*) - Emerging Results and Vision Track , online, 5-7 Oct. 2020, ICORE rank: A
- ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (*ESEC/FSE'20*) - SRC track , online, 6-16 Nov. 2020, ICORE rank: A*
- 21st Int'l Conf. on Agile Software Development (*XP'20*), online, 8-12 June 2020, ICORE rank: B
- 15th IEEE/ACM Int'l Conf. on Global Software Engineering (*ICGSE'20*), online, 26-28 June 2020, ICORE rank: C
- 13th IEEE/ACM Int'l Conf. on Cooperative and Human Aspects of Software Engineering (*CHASE'20*), online, 1-2 July 2020
- 36th Int'l Conf. on Software Maintenance and Evolution (*ICSME'20*) Doctoral Symposium Program Committee, Adelaide, Australia, Sep 28-Oct 02, 2020, ICORE rank: A
- 13th Int'l Conf. on the Quality of Information and Communications Technology (*QUATIC'20*), online, 9-11 Sept. 2020, ICORE rank: C
- 16th Int'l Symposium on Open Collaboration (*OpenSym'20*), online, 26–27 Aug. 2020, ICORE rank: C
- 15th Int'l Conf. on Global Software Engineering (*ICGSE'20*), online, 26-28 June 2020, ICORE rank: C
- 27th IEEE Int'l Conf. on Software Analysis, Evolution and Reengineering (*SANER'20*), London, Ontario, Canada, February 18-21, 2020, ICORE rank: A
- 13th Int'l Symposium on Empirical Software Engineering and Measurement (*ESEM'19*), Porto de Galinhas, Brazil, 16-20 Sept. 2019, ICORE rank: A
- 20th Int'l Conf. on Agile Software Development (*XP'19*), Montréal, Canada, 21-25 May 2019, ICORE rank: B
- 12th Int'l Symposium on Empirical Software Engineering and Measurement (*ESEM'18*), Oulu, Finland, 11-12 Oct. 2018, ICORE rank: A
- 12th Workshop on Distributed Software Development, Software Ecosystems and Systems-of-Systems (*WDES'18*), Madrid, Spain, Sept. 24, 2018
- 40th Int'l Conf. on Software Engineering (*ICSE'18*) – Student Contest on Software Engineering (SCORE) track, Gothenburg, Sweden, May 27–June 3, 2018, ICORE rank: A*
- 13th Int'l Conf. on Global Software Engineering (*ICGSE'18*), Gothenburg, Sweden, 24-26 May 2018, ICORE rank: C
- 1st Int'l Workshop on Affective Computing for Requirements Engineering (*AffectRE'18*), Banff, Canada Aug 21, 2018
- 11th Int'l Symposium on Empirical Software Engineering and Measurement (*ESEM'17*) Toronto, Canada, 9-10 Nov. 2017, ICORE rank: A
- 12th Int'l Conf. on Global Software Engineering (*ICGSE'17*), Buenos Aires, Argentina, 22-23 May 2017, ICORE rank: C
- 10th Int'l Symposium on Empirical Software Engineering and Measurement (*ESEM'16*), Ciudad Real, Spain, 8-9 Sept. 2016, ICORE rank: A

- 11th Int'l Conf. on Global Software Engineering (*ICGSE'16*), Orange County, CA, USA, 2-5 Aug. 2016, ICORE rank: C
- 9th Int'l Symposium on Empirical Software Engineering and Measurement (*ESEM'15*), Beijing, China, 22-23 Oct. 2015, ICORE rank: A
- 10th Int'l Conf. on Global Software Engineering (*ICGSE'15*), Ciudad Real, Spain, 13-16 July 2015, ICORE rank: C
- 7th Software Quality Days (*SWQD'15*), Vienna, Austria, 20-23 Jan. 2015
- 6th Software Quality Days (*SWQD'14*), Vienna, Austria, 14-16 Jan. 2014
- 8th Int'l Conf. on Global Software Engineering (*ICGSE'13*), Bari, Italy, 26-29 Aug. 2013, ICORE rank: C
- 7th Int'l Conf. on Global Software Engineering (*ICGSE'12*), Porto Alegre, Brazil, 27-30 Aug. 2012, ICORE rank: C
- 5th Workshop of the Italian Eclipse Community (*Eclipse-IT'10*), Savona, Italy, Sep. 30-Oct. 1, 2010
- 5th Int'l Conf. on P2P, Parallel, Grid, Cloud and Internet Computing (*3PGCIC-2010*), Fukuoka, Japan, 4-6 Nov. 2010
- 2nd Int'l Workshop on Social Software Engineering and Applications (*SoSEA'09*), Amsterdam, The Netherlands, 24 Aug. 2009
- 4th Int'l Conf. on Global Software Engineering (*ICGSE'09*), Limerick, Ireland, 13-16 Jul. 2009, ICORE rank: C
- 4th Workshop of the Italian Eclipse Community (*Eclipse-IT'09*), Bergamo, Italy, 28-29 Sept. 2009
- 14th Collaboration Researchers' International Workshop on Groupware (*CRIWG'08*), Omaha, NE, USA, 14-18 Sept. 2008
- 3rd Int'l Conf. on Global Software Engineering (*ICGSE'08*), Bangalore, India, 17-20 Aug. 2008, ICORE rank: C
- 3rd Workshop of the Italian Eclipse Community (*Eclipse-IT'08*), Bari, Italy, 17-18 Nov. 2008
- 1st Int'l Conf. on Software Engineering and Applications (*ICSEA'06*), Tahiti, Polynesia, Oct. 29 – Nov. 3, 2006, ICORE rank: C

Research Visits

M-Group, University of Oulu – Oulu, Finland — Sept 2023 – Sept 2023

- *Host: Prof. Davide Taibi*

STRUDEL, Carnegie Mellon University (CMU) – Pittsburgh, USA — July 2017 – Oct 2017

- *Host: Prof. Bogdan Vasilescu*

CHISEL, University of Victoria – Victoria, Canada — Nov 2016 – Dec 2016

- *Host: Prof. Margaret-Anne Storey*

SEGAL, University of Victoria – Victoria, Canada — Jan 2006 – Apr 2006

- *Host: Prof. Daniela Damian*

Distributed Systems Group, Vienna University of Technology – Vienna, Austria — May 2005 – June 2005

- *Host: Prof. Schaharm Dustdar*

Invited Seminars

Collaboration in Software Engineering: 10 Years in Review – Carnegie Mellon University, USA — Oct 2017

Classification Models in Software Engineering: From Defect to Best-Answer Prediction – University of Victoria, Canada — Nov 2016

Ph.D. Students Supervision

Kelly Azevedo Borges Leal – Pontifical Catholic University of Rio de Janeiro (PUR-Rio), Brazil — July 2023 – present

- *Topic: AutoML for Software Engineering*
- *Co-supervised with prof. Co-supervised with prof. Marcos Kalinowski*

Luigi Quaranta – University of Bari, Italy Nov 2022

- *Thesis: "Collaboration Around Computational Notebooks To Build AI-enabled Systems"*
- *Co-supervised with prof. Filippo Lanubile*

Giuseppe Iaffaldano – University of Bari, Italy Feb 2020

- *Thesis: "Investigating the Dynamics of Online Creative Communities"*
- *Co-supervised with prof. Filippo Lanubile*

Membership in Doctoral Boards

Ph.D. program in Computer Science and Mathematics (XL cycle) – University of Bari, Italy 2024 – 2025

Ph.D. program in Computer Science and Mathematics (XXXIX cycle) – University of Bari, Italy 2023 – 2024

Ph.D. program in Computer Science and Mathematics (XXXVIII cycle) – University of Bari, Italy 2022 – 2023

Interuniversity Ph.D. program in Aerospace Engineering and Sciences (XXXVII cycle) – Polytechnic University of Bari, Italy 2021 – 2022

Interuniversity Ph.D. program in Aerospace Engineering and Sciences (XXXVI cycle) – Polytechnic University of Bari, Italy 2020 – 2021

Teaching

Reti di Calcolatori (Computer Networks) [6 ECTS], BSc in Computer Science and Software Production Technologies (ITPS), 2nd year, University of Bari, Dept. of Computer Science – Bari, Italy 2022 – 2025

- *Teaching evaluation scores: 2023-25: N/A; 2022-23: 95.52%*

Social Computing [6 ECTS], MSc in Computer Science, 1st year, University of Bari, Dept. of Computer Science – Bari, Italy 2021 – 2024

- *Teaching evaluation scores: 2023-24: N/A; 2022-23: 100%; 2021-22: 100%*

Software Solutions for Reproducible Experiments [2 ECTS], Ph.D. program in Computer Science and Mathematics (XXXVIII cycle), University of Bari, Dept. of Computer Science – Bari, Italy 2022 – 2023

Social Computing [5 ECTS], MSc in Computer Science and Engineering, University of Oulu – Oulu, Finland 2022 – 2023

- *Course taught as the winner of an EU-funded grant 'Erasmus+ TUCEP Selection Call Mobility for teaching staff' (2022-23), for university professors and researchers mobility*

Reti di Calcolatori (Computer Networks) [9 ECTS], BSc in Computer Science, 3rd year in University of Bari, Dept. of Computer Science – Bari, Italy 2021 – 2022

- *Teaching evaluation scores: 97.07%*

Reti di Calcolatori (Computer Networks) [6 ECTS], BSc in Computer Science and Software Production Technologies (ITPS), 2nd year, University of Bari, Dept. of Computer Science – Bari, Italy 2019 – 2021

- *Teaching evaluation scores: 2020-21: 94.59%; 2019-20: 89.74%*

Reti di Calcolatori (Computer Networks) [9 ECTS], BSc in Computer Science, 3rd year in University of Bari, Dept. of Computer Science – Bari, Italy 2018 – 2019

- *Teaching evaluation scores: 93.4%*

Mining Socio-technical Repositories [3 ECTS], Ph.D. program in Computer Science and Mathematics (XXXIII cycle), University of Bari, Dept. of Computer Science – Bari, Italy 2017 – 2018

IT Tools Supporting Legal and Economic Research: Blockchain for Tracking Production and Transportation Chains [2 ECTS], Ph.D. program in Rights, Economies, and Cultures of the Mediterranean (XXXIII cycle), University of Bari, Jonian Dept. (Law and Business School) – Taranto, Italy 2017 – 2018

Classification Models in Software Engineering [2 ECTS], Ph.D. program in Computer Science, University of Oulu – Oulu, Finland — 2016 – 2017

- *Course taught as the winner of an EU-funded grant 'Erasmus+ TUCEP Selection Call Mobility for teaching staff' (2015-16), for university professors and researchers mobility*

Emotion Awareness in Social Computing [2 ECTS], Ph.D. program in Computer Science and Mathematics (XXXII cycle), University of Bari, Dept. of Computer Science – Oulu, Finland — 2016 – 2017

- Co-taught with Prof. Nicole Novielli

IT Tools Supporting Legal and Economic Research [2 ECTS], Ph.D. program in Rights, Economies, and Cultures of the Mediterranean (XXXII cycle), University of Bari, Jonian Dept. (Law and Business School) – Taranto, Italy — 2016 – 2017

Informatica (Computer Science) [9 ECTS], BSc in Maritime Sciences and Management (SGAM), 2nd year – Italian Navy Petty Officers School (Mariscuola), Taranto, Italy, University of Bari, Dept. of Computer Science — 2015 – 2020

- *Teaching evaluation scores: 2019-20: 95.2%; 2018-19: 95.9%; 2017-18: 97.4%; 2016-17: 91.9%; 2015-16: 83.5%*

Abilità Informatica (Computer Skills) [4 ECTS], Bachelor of Law, 1st year, University of Bari, Jonian Dept. (Law and Business School) – Taranto, Italy — 2015 – 2020

- *Teaching evaluation scores: 2019-20: 93.1%; 2018-19: 95.9%; 2017-18: 93.8%; 2016-17: 89.8%; 2015-16: 87.8%*

Laboratorio di Informatica (C Programming Lab) [9 ECTS], BSc in Computer Science and Software Production Technologies (ITPS), 1st year, University of Bari, Dept. of Computer Science – Bari, Italy — 2013 – 2015

- *Teaching evaluation scores: 2014-15: 88.3%; 2013-14: 93.1%*

Linguaggi di Programmazione + Laboratorio (Programming Languages + Lab) [12 ECTS], BSc in Computer Science, 1st year, University of Bari, Dept. of Computer Science – Brindisi, Italy — 2013 – 2014

- *Teaching evaluation scores: 95.7%*

Laboratorio di Informatica (C Programming Lab) [5/6 ECTS], BSc in Computer Science, 1st year, University of Bari, Dept. of Computer Science – Brindisi, Italy — 2008 – 2013

- *Teaching evaluation scores: N/A*

Software

EMTk (Emotion-Mining Toolkit) — EMTk on GitHub

- EmoTxt is the module for training custom emotion classifiers from text. It provides out of the box an emotion classifier specifically tuned for mining emotion from developers' communication channels, such as Stack Overflow.
- Senti4SD is the module for emotion-polarity classification (sentiment analysis) specifically trained on technical corpora from developers' communication channels, such as GitHub and StackOveflow.