

Curriculum Vitae

PROF.DR.IR. PARIS AVGERIOU

Groningen, March 2025

Contents

1.1	Contact Details	3
1.2	Employment	3
1.3	Studies	3
1.4	Professionalization and Accreditation.....	4
1.5	Awards and Distinctions	5
1.6	Membership in scientific & professional bodies.....	7
1.7	Languages.....	8
2.1	Teaching.....	9
2.1.1	Lecturing and Coordination	9
2.2	Supervision of students and researchers.....	10
2.2.1	Postdocs	10
2.2.2	PhD students	10
2.2.3	M.Sc. theses	11
2.2.4	Internships	13
2.2.5	B.Sc. Theses	15
3.1	Scientific boards and experts committees	17
3.2	Editorships of scientific journals.....	17
3.3	Organization of Scientific Events	18
3.4	Steering committees	24
3.5	Program committees.....	25
3.6	Faculty member evaluation committees.....	35
3.7	Examiner in Habilitation Committees.....	36
3.8	Examiner in PhD Committees.....	36
3.9	Reviewer for research funding	38
3.10	Invitations for talks and discussion panels.....	40
3.11	Scientific reviews	42
3.12	Academic Services	44
4.1	Grant Support.....	45
4.2	Publications.....	47
4.2.1	Books.....	47
4.2.2	Journals	47
4.2.3	International Conferences	53
4.2.4	Book Chapters.....	63
4.2.5	Edited Proceedings of Conferences and Workshops.....	64
4.2.6	Workshop Reports.....	65
4.2.7	Theses.....	67
4.2.8	National Publications	67

1. Personal

1.1 Contact Details

Work Address: University of Groningen, Nijenborgh 9, 9747 AG, Groningen, NL
Tel: +31 50 363 7057
E-Mail: p.avgeriou@rug.nl
Web Page: <http://www.cs.rug.nl/~paris/>

1.2 Employment

May 2014 – present **Full Professor**, Computer Science department, University of Groningen, the Netherlands. Head of the Software Engineering and Architecture Group.

Feb. 2009 – Apr. 2014 **Associate Professor** (Prof.dr. title, tenured, with ‘ius promovendi’), Computer Science department, University of Groningen, the Netherlands. Head of the Software Engineering and Architecture Group.

Aug. 2005 – Jan. 2009 **Assistant Professor** (tenure-track), Computer Science department, University of Groningen, the Netherlands. Head of the Software Engineering and Architecture Group.

Oct. 2004 – Jul. 2005 **Senior Researcher**, Fraunhofer IPSI, CONCERT division, Darmstadt, Germany, under the ERCIM Fellowship Programme.

Jan. 2004 – Oct. 2004 **Senior Researcher**, Software Engineering Competence Center, University of Luxembourg, under the ERCIM Fellowship Programme.

Jan. 2003 – Jan. 2004 **Visiting Lecturer**, Computer Science Department, University of Cyprus, Cyprus.

Oct. 1999 – Jan. 2003 **Teaching assistant** in postgraduate and undergraduate courses at the National Technical University of Athens, Greece.
Research assistant in national and E.U. funded research projects.
Teacher of Computer Science for two Greek Vocational Training Centers.

1.3 Studies

Oct. 1999 – Jan. 2003 **Ph.D.** in the Department of Electrical and Computer Engineering of the National Technical University of Athens, *with highest honor*.
Study was funded through a number of scholarships and research grants.
Doctoral Dissertation: *A reference architecture for open Learning Management Systems*, completed at the Software Engineering laboratory.

Sep. 1994 – Oct. 1999 **Engineering Diploma** (equivalent to M.Eng.) in the Department of Electrical & Computer Engineering, National Technical University of Athens, specialization in Computer Science, *with highest honor*.
Recipient of academic achievement award for the diploma.
Diploma thesis: *CRITON: A CASE tool for designing web-based courseware*, completed at the Software Engineering laboratory.

1.4 Professionalization and Accreditation

1. Training Program on *Senior Teaching Qualification*, April 2025 – Mar 2026.
2. Training Program on *Active Bystander*, February 9, 2024
3. Training Program on *Communication Skills*, October 2021-February 2022.
4. Training Program on *Academic Leadership*, October 2019-August 2020.
5. Training Program on *Academic Integrity*, July 4, 2019.
6. Training Program on *Diversity and Inclusion*, May 22 2019.
7. Training for *H2020 grant acquisition*, December 4, 2014.
8. *Grants Week Groningen*, October 14-18 2013 (2 days).
9. Training Program on *Results and Development interviews for managers*, 25th June 2013 (1 day).
10. *Grants Week Groningen*, May 21-25 2012 (3 days).
11. Training Program on *Basic Teaching Qualification* (Basiskwalificatie Onderwijs - BKO), November 2010 – June 2011 (140 hours). Obtained the BKO on Dec. 2011.
12. *Grants Week Groningen*, June 6-10 2011 (3 days).
13. Training Program on *Academic Leadership*, University of Groningen, Mobility & Training Center, March-May 2008 (4 days).
14. Training Program on *Presentation Skills*, University of Groningen, University Centre for Learning & Teaching, April 2007 (4 days).
15. Training Program on *Career planning*, University of Groningen, Mobility & Training Center, September-October 2006 (4 half-days).
16. Training seminar for tenure track assistant professors, RUG FWN, 19th December 2006 (1 half-day).
17. *Dutch as a foreign language*, all 4 Levels, Language Centre, University of Groningen, September 2005 – May 2007.
18. 14th International School on *Software Architecture* for Computer Science Researchers on Software Engineering, University of Catania, Lipari, Italy, June 30th – July 13th, 2002.
19. Certified Trainer by the *National Accreditation Center of Vocational Training Structures and Accompanying Services*, Greece, 2002.
20. Certified *Electrical and Computer Engineer* by the Technical Chamber of Greece, 2001.
21. Awarded the *Certificate of Proficiency in English*, Univ. of Cambridge, UK, 1992 and subsequently certified to teach English as a Foreign Language in Greece, 1995.

1.5 Awards and Distinctions

1. ACM SIGSOFT Distinguished Paper award: C. Zhong, D. Feitosa, P. Avgeriou, H. Huang, Y. Li, H. Zhang, *PairSmell: A Novel Perspective Inspecting Software Modular Structure*, IEEE/ACM International Conference on Software Engineering (ICSE 2025), April 27-May 3 2025, Ottawa, Canada.
2. Distinguished Reviewer Award: 2024 International Conference on Software Maintenance and Evolution (ICSME), Flagstaff, AZ, USA, 6-11 Oct. 2024.
3. Best paper award: M. Soliman, K. Gericke, P. Avgeriou, *Where and What do Architects blog? An Exploratory Study on Architectural Knowledge in Blogs, and their Relevance to Design Steps*, ICSA 2023, L'Aquila, Italy.
4. Runner-up for the Best paper award: M. Soliman, M. Galster, P. Avgeriou, *An Exploratory Study on Architectural Knowledge in Issue Tracking Systems*, European Conference on Software Architecture (ECSA 2021), LNCS vol 12857, Springer.
5. Article ranked as a "Top Downloaded Article" during its first 12 months of publication (among work published between 1 January 2019 – 31 December 2020), *Evolution of technical debt remediation in Python: A case study on the Apache Software Ecosystem*, Journal of Software: Evolution and Process.
6. Ranked 3rd in the category of experienced researchers in Software Engineering, in terms of number of journal publications (period 2013-2020), Journal of Systems and Software, Vol. 180, 2021.
7. Best paper award: Y. Li, M. Soliman, P. Avgeriou, *Identification and Remediation of Self-Admitted Technical Debt in Issue Trackers*, Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2020), August 26 – 28, 2020, Kranj, Slovenia.
8. Ranked 5th in the category of experienced researchers in Software Engineering, in terms of number of publications (period 2010-2017) and 2nd taking into account only journal publications, Journal of Systems and Software, Vol. 147, 2019.
9. Article ranked as the "Most Cited Journal of Systems and Software Articles" (December 2018): Z. Li, P. Avgeriou, P. Liang, *A systematic mapping study on technical debt and its management*, Journal of Systems and Software, Volume 101, March 2015, Pages 193-220.
10. Ranked in the top 5 of Software Engineering authors in the topic of Architecture, IEEE Software vol. 5, 2018
11. Best paper award: A. Ampatzoglou, S. Bibi, A. Chatzigeorgiou, P. Avgeriou and I Stamelos, *Reusability Index: A Measure for Assessing Software Assets Reusability*, 17th International Conference on Software Reuse (ICSR), May 21-23, 2018, Madrid, Spain.
12. Article accepted as a "Journal First" and invited for presentation at the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE 2017), Paderborn, Germany, September 04-08, 2017: S. Charalampidou, A. Ampatzoglou, A. Chatzigeorgiou, A. Gkortzis, P. Avgeriou, *Identifying Extract Method Refactoring Opportunities based on Functional Relevance*.
13. Best full paper award: E. Arvanitou, A. Ampatzoglou, A. Chatzigeorgiou and P. Avgeriou, *A Method for Assessing Class Change Proneness*, 21st Evaluation and Assessment in Software Engineering Conference (EASE 2017), 15 - 16 June, BTH - Karlskrona, Sweden.
14. Article included in the "Practitioners' Digest" column of IEEE Software (March/April 2017): X. He, P. Avgeriou, P. Liang, Z. Li, *Technical Debt in MDE: A Case Study on GMF/EMF-Based Projects*, Proceedings of the ACM/IEEE 19th International Conference on Model Driven Engineering Languages and Systems (MODELS), October 2-7 2016, Saint Malo, France.

15. Best paper award: G. Lewis, P. Lago, P. Avgeriou, *A Decision Model for Cyber-Foraging Systems*, 13th Working IEEE/IFIP Conference on Software Architecture (WICSA 2016), Venice, Italy, April 5-8, 2016.
16. Article listed in the “Most Downloaded Journal of Systems and Software Articles” (September 2016): R. Capilla, A. Jansen, A. Tang, P. Avgeriou, M. Ali Babar, *10 years of Software Architecture Knowledge Management: Practice and Future*, Journal of Systems and Software, Elsevier, Volume 116, June 2016, Pages 191–205.
17. Article listed in the “Most Downloaded Information and Software Technology Articles” (March 2016): E. Arvanitou, A. Ampatzoglou, A. Chatzigeorgiou, P. Avgeriou, *Software Metrics Fluctuation: A Property for Assisting the Metric Selection Process*, Information and Software Technology, Elsevier, Volume 72, 2016, Pages 110-124.
18. Article accepted as a “Journal First” and invited for presentation at the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE 2015), Bergamo, Italy from August 30 – September 4: A. Ampatzoglou, A. Chatzigeorgiou, S. Charalampidou, P. Avgeriou, *The Effect of GoF Design Patterns on Stability: A Case Study*.
19. Outstanding reviewer for the Journal of Systems & Software, June 2015.
20. Second most popular article on IEEE TSE (April 2014): M. Galster, D. Weyns, D. Tofan, B. Michalik, P. Avgeriou, *Variability in Software Systems - A Systematic Literature Review*, IEEE Transactions on Software Engineering, Volume:40, Issue: 3, March 2014, Pages: 282 - 306.
21. Article listed in the “Most Downloaded Information and Software Technology Articles” (August 2014): Michiel Koning, Marco Sinnema, Changai Sun, P. Avgeriou, *VxBPEL: Supporting variability for Web services in BPEL*, Information and Software Technology, Volume 51, Issue 2, February 2009, Pages 258 – 269, Elsevier.
22. Best paper award: C. Manteuffel, D. Tofan, H. Koziolk, T. Goldschmidt, P. Avgeriou, *Industrial Implementation of a Documentation Framework for Architectural Decisions*, 11th Working IEEE/IFIP Conference on Software Architecture (WICSA 2014), Sydney, Australia on April 7-11, 2014.
23. Article listed in the “Most Downloaded Information and Software Technology Articles” (January 2012): K. Stol, M. Ali Babar, P. Avgeriou, B. Fitzgerald, *A comparative study of challenges in integrating Open Source Software and Inner Source Software*, Information and Software Technology, Volume 53, Issue 12, December 2011, Pages 1319-1336, Elsevier.
24. Candidate for best paper award: U. van Heesch, P. Avgeriou, *Mature Architecting - A Survey about the Reasoning Process of Professional Architects*, 9th Working IEEE/IFIP Conference on Software Architecture (WICSA), 20-24 June 2011 Boulder, Colorado, USA.
25. Article listed in the top ten (10) most cited papers among all the papers published by JSS in 2010: A. Tang, P. Avgeriou, A. Jansen, R. Capilla, and M. Ali Babar, *A comparative study of architecture knowledge management tools*, Journal of Systems and Software (Volume 83, Issue 3).
26. Candidate for best paper award: T. Callo, P. America, P. Avgeriou, *Defining Execution Viewpoints for a Large and Complex Software-Intensive System*, 2009 Joint Working IEEE/IFIP Conference on Software Architecture & European Conference on Software Architecture (WICSA/ECSA 2009), Cambridge UK; invited to the Journal of Systems and Software.

27. Best paper award: T. Callo, P. Avgeriou, P. America, *Analyzing the Actual Execution of a Large Software-Intensive System for Determining Dependencies*, Working Conference on Reverse Engineering (WCRE 2008), October 15th-18th, 2008 - Antwerp, Belgium.
28. Award of “Most innovative Computer Science teacher of the year 2006-07”, Computer Science, University of Groningen. Nominated for the Faculty Education Award 2007.
29. Nominated for the Young Academy – Royal Dutch Academy of Sciences (De Jonge Akademie - Koninklijke Nederlandse Akademie van Wetenschappen), 2006.
30. Post-doctoral Fellowship of the European Research Consortium for Informatics and Mathematics (ERCIM), <http://www.ercim.org/> (Jan. 2004 – Jul. 2005), **acceptance rate for this round was 10%**.
31. Best paper award from the Thomaidio Foundation, Athens (2003), concerning the paper *Developing an architecture for the Software Subsystem of a Learning Technology System – an Engineering approach*, proceedings of IEEE International Conference of Advanced Learning Technologies, 2001.
32. Scholarship from the Division of Computer Science of the Department of Electrical and Computer Engineering, National Technical University of Athens, for the support of doctoral research (2001-2003).
33. Scholarship from the Institute of Communication and Computer Systems (ICCS), National Technical University of Athens, for the support of doctoral research (1999-2001).
34. Academic achievement award for undergraduate studies in the Department of Electrical and Computer Engineering, National Technical University of Athens, from the Technical Chamber of Greece, (2000).

1.6 Membership in scientific & professional bodies

1. Member of the International Software Engineering Research Network (ISERN <http://isern.iese.de/>), 2014-present.
2. Senior member of the Institute of Electrical and Electronics Engineers (IEEE) and IEEE Computer Society (<http://www.ieee.org/>), 2006-present (senior since 2013).
3. Member of the Association for Computing Machinery (ACM – www.acm.org), Special Interest Group on Software Engineering (SIGSOFT), 2020-present.
4. Member of the Royal Institute for Engineers (Koninklijk Instituut Van Ingenieurs – www.kivi.nl), 2019-2022.
5. Member of the ERCIM Working Group on SERENE: Software Engineering for REsilieNt systEms (formerly Rapid Integration of Software Engineering techniques) (<http://rise.uni.lu/>), 2005-present.
6. Member of Hillside (<http://hillside.net/>) and Hillside Europe (<http://hillside-europe.net/>): the US and European organizations respectively which promote the idea of software patterns in the scientific community and organize the Pattern Languages of Programs (PLoP) conferences, 2004-present.
7. Founding member of the World-wide Institute of Software Architects. Chapter president of the WWISA Athens Chapter (2003-2005).
8. Registered Engineer at the Technical Chamber of Greece (<http://www.tee.gr>), 2001-present.

1.7 Languages

Greek	Native.
English	Fluent - awarded the Certificate of Proficiency in English, Univ. of Cambridge, UK.
Dutch	Good - certificate of finishing 4 levels at the Language Centre, University of Groningen.
French	Basic.

2 Education

2.1 Teaching

2.1.1 Lecturing and Coordination

Ph.D. courses

- Sep. 2016 – Jan 2020 *Mastering your PhD* (mentor), Faculty of Science and Engineering, University of Groningen.
- June 2017 - present *International Software Architecture PhD School - iSAPS* (coordinator and lecturer), Lorentz Center, the Netherlands.

M.Sc. courses

- Sep. 2021 – Present *Evidence-based Software Engineering*, Computer Science, University of Groningen.
- Sep. 2006 – Jan. 2021 *Software Patterns*, Computer Science, University of Groningen.
- Sep. 2005 – Present *Software Architecture*, Computer Science, University of Groningen.
- Nov. 2005 – Jan 2006 *Student Colloquium* (co-lecturer), Computer Science, University of Groningen.
- Jan. 2003 - Jun. 2003 *Learning Technologies and Open/Distance Learning* (co-lecturer), Computer Science Department, University of Cyprus.

B.Sc. courses

- Sep. 2013 – present *Software Engineering I and II* (co-lecturer), Computer Science, University of Groningen.
- Sep. 2013 – 2016 *Software Quality Assurance and Testing* (coordinator), Computer Science, University of Groningen.
- Sep. 2007 - present *B.Sc. Graduation Project*, Computer Science, University of Groningen.
- Sep. 2007 - Jun.2013 *Software Engineering I and II* (coordinator), Computer Science, University of Groningen.
- Sep. 2007 – present *Software Requirements Engineering* (coordinator), Computer Science, University of Groningen.
- Feb. 2006 – Apr. 2006 *Software Analysis and Design* (co-lecturer) Computer Science, University of Groningen.
- Sep. 2003 – Jan. 2004 *EPL132: Principles of Programming II*, Computer Science Department, University of Cyprus.
- Sep. 2003 – Jan. 2004 *EPL422: Multimedia, Hypermedia and Cyberspace*, Computer Science Department, University of Cyprus.
- Jan. 2003 – Jun. 2003 *EPL032: Programming of Problem-Solving Methods*, Computer Science Department, University of Cyprus.
- Jan. 2003 – Jun. 2003 *EPL01: Introduction to Computer Science*, Computer Science Department, University of Cyprus.

2.2 Supervision of students and researchers

2.2.1 Postdocs

1. Mohamed Soliman, *Architecture Decisions that Incur Technical Debt*, FSE Postdoc Fellow, September 2019-August 2023.
2. Vinicius Durelli, *Architecture Evaluation for Critical Embedded Systems*, ACES project funded by CNPq and CAPES Brazil, June 2014 – June 2015.
3. Matthias Galster, *Architecture Variability in Software as a Service*, SAS-LEG project funded by NWO, June 2010 – December 2012.
4. Peng Liang, *Architecture knowledge ontologies*, HEFBOOM project funded by NWO, August 2007 – November 2009.
5. Anton Jansen, *Architectural knowledge management*, GRIFFIN project funded by NWO, October 2006 – October 2008.

2.2.2 PhD students

Direct supervisor (promotor in Dutch)

1. Eoan O’Dea, *A Measurement-Driven Approach to Enhancing Sustainability in Microservice Architectures*, University of Groningen and University of L’Aquila (2024-2028), with Henry Muccini.
2. Jesse Maarleveld, *Machine Learning for Technical Debt Management*, University of Groningen (2023-2027), with Daniel Feitosa and Jiapan Guo.
3. João Paulo Biazotto, *Managing Technical Debt under adverse conditions*, University of Groningen (2022-2026), with Daniel Feitosa and Elisa Nakagawa.
4. Sara Mahdavi-Hezavehi, *Architecture-Based Self-Adaptation for Multiple Concerns*, University of Groningen and Linnaeus University, with Danny Weyns.
5. Yikun Li, *Management of self-admitted technical debt using machine learning*, University of Groningen, with Mohamed Soliman. Awarded 23-4-2024.
6. Ruiyin Li, *Understanding, Analysis, and Handling of Software Architecture Erosion*, University of Groningen, with Peng Liang. Awarded 9-1-2024.
7. Hector Fabio Cadavid Rengifo, *Cross-disciplinary Architecting of Systems of Systems - Bridging the Gap*, University of Groningen, with Vasilios Andrikopoulos. Awarded 27-11-2023.
8. Darius Sas, *Managing technical debt: prioritising and quantifying architectural smells*, University of Groningen, with Francesca Arcelli. Awarded 19-12-2022.
9. Jie Tan, *Technical Debt Repayment in Practice*, University of Groningen, with Daniel Feitosa. Awarded 17-12-2021.
10. Georgios Digkas, *Reducing Technical Debt Density: Refactoring vs. Writing Clean New Code*, University of Groningen, with Alexander Chatzigeorgiou and Apostolos Ampatzoglou. Awarded 8-10-2021.

11. Areti Ampatzoglou, *Economics-driven Technical Debt Management*, University of Groningen. Awarded 15-2-2021.
12. Sofia Charalampidou, *Managing Technical Debt through Software Metrics, Refactoring and Traceability*, University of Groningen (2014-2019). Awarded 28-6-2019.
13. Daniel Feitosa, *Applying Patterns in Embedded Systems Design for managing Quality Attributes and their Trade-offs*, University of Groningen (2013 - 2018), awarded on 25-1-2019.
14. Elvira Maria Arvanitou, *Proposing and Empirically Validating Change Impact Analysis Metrics*, University of Groningen (2013 - 2018), awarded on 13-7-2018.
15. Chen Yang, *Architectural assumptions and their management in software development*, University of Groningen and Wuhan University (2013 - 2017), awarded on 2-3-2018.
16. Zengyang Li, *Managing Technical Debt in Software Architecture*, University of Groningen (2011 - 2015). Awarded on 29-6-2015.
17. Dan Tofan, *Understanding and Supporting Software Architectural Decisions*, University of Groningen (2009 - 2015). Awarded on 20-11-2015.
18. Uwe van Heesch, *Architecture Decisions: The next step - Understanding, modeling, supporting and reviewing architecture decisions*, University of Groningen (2008 - 2012). Awarded on 18-12-2012.
19. Ahmad Waqas Kamal, *Modeling Variability and Integration of Architectural Patterns*, University of Groningen (2006-2012). Awarded on 27-1-2012.
20. Trosky Boris Callo Arias, *Execution Architecture Views For Evolving Software-Intensive Systems*, University of Groningen (2006-2011). Awarded on 17-6-2011.
21. Neil Harrison, *Improving Quality Attributes of Software Systems through Software Architecture Patterns*, University of Groningen (2006-2011). Awarded on 18-4-2011.

Co-supervisor (co-promotor in Dutch)

1. Edi Sutoyo, *The impact of Natural Language Processing tools on the detection of Technical Debt*, University of Groningen (2023-2027), with Andrea Capiluppi.
2. Jan Salvador van der Ven, *Preserving and Reusing Architectural Design Decisions*, University of Groningen, with Jan Bosch. Awarded on 8-4-2019.
3. Klaas-Jan Stol, *Supporting Product Development with Software from the Bazaar*, Lero - the Irish Software Engineering Research Centre, University of Limerick, Ireland (2008-2011), with M. Ali Babar and Brian Fitzgerald. Awarded on 24-10-2011.
4. Anton Jansen, *Architectural design decisions*, University of Groningen (2002-2008), with Jan Bosch and Dieter Hammer. Awarded on 19-7-2008.

2.2.3 M.Sc. theses

1. Joep Scheltens, *Language-Agnostic Codebase Graph Generator for Technical Debt Analysis*, University of Groningen, 2025.
2. Thorsten Rangnau, *Determining the rationale of architectural smells from issue trackers*, University of Groningen, 2020.

3. Ronald Kruizinga & Ruben Scheedler, *Exploring the Relation between Co-changes and Architectural Smells*, University of Groningen, 2020.
4. Jasper C. Mohlmann, *Architectural smell detection using variable parameters based on project metrics*, University of Groningen, 2019.
5. Timo Smit, *Trading off technical debt and run-time qualities*, University of Groningen, 2019.
6. Jeroen Brandsma, *Design and validation of a software architecture when integrating third party software components*, University of Groningen, 2018.
7. Alexandra Matreata, *Architectural Knowledge Sharing: a Systematic Mapping Study*, University of Groningen, 2017.
8. Maria Lydia Fioravanti, *Towards a Pattern Language for Architectural Knowledge Sharing*, University of Groningen, 2017.
9. Rutger Alders, *Trade-offs in performance and energy consumption of design patterns*, University of Groningen, 2016.
10. Antonios Gkortzis, *Extract Method Refactoring Opportunities by Applying the Single Responsibility Principle*, University of Groningen, 2015.
11. Ruurtjan Pul, *Flexible data flow management in data processing systems*, University of Groningen, 2015.
12. Ramón Urías, *A source code analysis tool for quality metrics*, Universidad Autónoma Metropolitana, Mexico, 2015
13. Christian Manteuffel and Spyridon Ioakeimidis, *Tool-support for Architecture Decision Documentation*, University of Groningen, 2013.
14. Grayson Kleine, *Documenting architectural knowledge in Software Architecture*, University of Groningen, 2013.
15. Konstantinos Tselios, *Decision-making in software architecture: The GADGeT approach*, University of Groningen, 2012.
16. Sara Mahdavi, *Variability in quality attributes of service-based software systems: A systematic literature review*, University of Groningen, 2011.
17. Mattijs Kersten, *How to make runtime architectural design decisions*, University of Groningen 2010.
18. Michel de Jong, *Traceability between architecture decisions and models*, University of Groningen, 2010.
19. Hubert ten Hove, *A back-end server for an architecture knowledge repository*, University of Groningen 2010.
20. Reinder Kamphorst, *Comparing quantitative architecture analysis models*, University of Groningen 2009.
21. Sebastiaan Frijling, *Data warehouse and RUP: a case study at KPN*, University of Groningen 2009.
22. Nick Kirtley, *Modeling architectural primitives in UML*, University of Groningen 2008.
23. Jens Rasmussen, *Understanding Software Architectures: Tracing architectural knowledge in software architecture documentation*, University of Groningen 2008.

24. Tjaard de Vries, *Knowledge management on quantitative architectural analysis*, Astron and University of Groningen, 2008.
25. Job Habraken, *Architectures for e-Learning solutions*, Open University, 2008.
26. Daniel Neeteson, *Parameter History Logging as an Architecturally Sensitive Usability Scenario in Automation Systems*, University of Tampere (Finland) and University of Groningen, 2007.
27. Mark Bastiaans, *Wireless Sensor Network Architectures*, TNO ICT and University of Groningen, 2007.
28. Samvel Petrosyan, *System Wide Notification Service*, Chipsoft and University of Groningen, 2007.
29. Ewoud Werkman, *Modeling runtime adaptability*, Fraunhofer IESE, Germany and University of Groningen, 2007.
30. Bjørn Lindeijer, *Architecting Distributed Meeting Software*, Fraunhofer IPSI, Germany and University of Groningen, 2007.
31. Feike Kramer, *A software architecture for a nearcast platform*, TNO ICT and University of Groningen, 2006.
32. M. Bouloukakakis, *LOM_MS: A Learning Object Metadata Management System*, Department of Electrical and Computer Engineering, National Technical University of Athens (2000).
33. A. Papasalouros, *A case study for the Rational Rose CASE Tool*, Department of Electrical and Computer Engineering, National Technical University of Athens (2000).
34. F. Stathopoulos, *IMS-QTI: A software system for the support of creating and managing web-based assessment tests*, Department of Electrical and Computer Engineering, National Technical University of Athens (2000).

2.2.4 Internships

1. Claudio Tessa, *Trade-offs between technical and environmental sustainability*, University of Groningen, 2025.
2. Maarten van Ittersum, *Improving the SATD visualizer*, University of Groningen, 2023.
3. Shaniya Hassan Ali, *Mining Self-Admitted Technical Debt in Code Review Platforms*, University of Groningen, 2021.
4. Ana Roman, *Web services integration to ATracker*, University of Groningen, 2020.
5. Nivin Pradeep Kumar, *An Exploratory Study on Technical Debt Introduction and Repayment in the GitHub Issue Tracker*, University of Groningen, 2020.
6. Filipe Capela, *Exploring architectural design decisions in issue tracking systems*, University of Groningen, 2020.
7. Dan Chirtoaca, *A Mapping Study on Documentation in Continuous Software Development*, University of Groningen, 2018.
8. Ronald Kruizinga and Ruben Scheedler, *rationaly - Software Architecture Specification*, University of Groningen, 2018.
9. Eric Rwemigabo, *Tooling for Analysis of Software Quality (Seagle)*, University of Groningen, 2017.

10. Kyriakos Kyriakidis, *An adaptation engine for TAS*, University of Groningen, 2017.
11. Timo Smit, *DevOps at Rabobank*, University of Groningen, 2017.
12. Samet Dumankaya, *Large-scale analysis of quality attributes of GoF patterns on open-source software*, summer internship, University of Groningen, 2016.
13. Jeroen Brandsma, *An Architectural Assumption Documentation Tool for Industry*, University of Groningen, 2016.
14. Evaggelos Karountzos, *Mapping study and traceability approaches*, University of Groningen, 2015.
15. Begum Benel, Seren Sencer, Can Berker Çıkış, various summer internship projects from Sabanci University (Turkey), University of Groningen, 2015.
16. Mathieu Kalksma, *Enhancing the Decision Architect tool suite*, University of Groningen, 2015.
17. Jeroen David van Leusen, *Static analyzer for C/C++*, University of Groningen, 2015.
18. Çağla Koca, Mehmet Furkan İpek, Talha Ongun, Özlem Muslu, Yavuz Selim Emir, Melda Seren İnan, various summer internship projects from Sabanci University (Turkey), University of Groningen, 2014.
19. Wytse Visser, *Documenting architectural knowledge using the repertory grid technique*, University of Groningen, 2014.
20. Antonios Gkortzis, *Maintainability Prediction Metrics Suite*, University of Groningen, 2014.
21. Marc Holterman, *Maintenance and Evolution of the Decision Architect tool set*, University of Groningen, ongoing.
22. Mark Hoekstra, *Maintenance and Evolution of the Decision Architect tool set*, University of Groningen, 2014.
23. Hessel van Apeldoorn, *Maintenance and Evolution of the Decision Architect tool set*, University of Groningen, 2014.
24. Laurence de Jong, *A Systematic Literature Review on Self-adaptive systems*, University of Groningen, 2014.
25. Şevki Murat Ayan, *Evolution of tool suite for the Repertory Grid Technique*, University of Groningen, 2013.
26. Can Menekşe, *Identifying architecture smells from source code analysis*, University of Groningen, 2013.
27. Jos van der Til, *Tool support for the Repertory Grid Technique*, University of Groningen, 2013.
28. Punitha Ramalingam, *Extending and Maintaining Tool Support for the RGT*, University of Groningen, 2013.
29. Wes Schuitema, *Systematic Literature Review for Architecture Decisions*, University of Groningen, 2012.
30. Christian Manteuffel, *Requirements Engineering for Variability-intensive Software Systems*, University of Groningen, 2012.

31. Spyridon Ioakeimidis, *Tool Support for Capturing Architectural Decisions*, University of Groningen, 2012.
32. Fotis Katsantonis, *Market overview of tools to transform business processes into SOA-based applications*, University of Groningen, 2012.
33. Deniz Marlali, *Tool support for systematic mapping studies*, University of Groningen, 2012.
34. Konstantinos Tselios, *Decision support based on the Repertory Grid*, University of Groningen, 2011.
35. Grayson Kleine, *Searching for the next discovery – SODA: SLR online Search Desktop Application*, University of Groningen, 2011.
36. Alexander Bograd, *Relating SOA Design Patterns to Quality Attributes*, University of Groningen, 2011.
37. Xander Elsas, *Managing Reference Lists*, University of Groningen, 2011.
38. Ramon Urias Morales, *Tool support for Analyzing Systematic Literature Reviews*, University of Groningen, 2011.
39. Stefan Arians and Ben Ripkens, *the Open Decision Repository*, University of Groningen, 2011.
40. Niels Luten, *Tool Support for Execution Information Exploration*, Hanze University of Technology, 2010.
41. Sara Mahdavi, *Instantiating Knowledge in the Open Pattern Repository*, University of Groningen, 2010.
42. Martin Verspai and Christian Manteuffel, *the Open Pattern Repository*, University of Groningen, 2010.
43. Lazaro Luhusa, *Model Driven Visualization of Execution Architectures*, University of Groningen, 2009.
44. Michel de Jong, *Online Repository for Patterns and Technologies*, University of Groningen, 2009.
45. Joris Best, *An architecture knowledge explorer*, University of Groningen, 2007.
46. Hubert ten Hove and Marco van der Kooi, *Visualization support for architecture knowledge*, University of Groningen, 2007.
47. Herman van Rink and Sjouke W. Boersma, *Constraining patterns in OCL*, University of Groningen, 2006.
48. Nick Kirtley, *BPEL Template Processes*, University of Groningen, 2006.

2.2.5 B.Sc. Theses

1. Ravi Isaac Maingot, *Exploring Architectural Knowledge in Open Source System Mailing Lists*, University of Groningen, 2024.
2. Eize de Haan, *Detecting self-admitted technical debt in an industrial setting*, University of Groningen, 2022.
3. Maarten van Ittersum, *Visualizing Self-Admitted Technical Debt in a Web-based Application*, University of Groningen, 2021.

4. Ai Deng, *Mining Technical Debt in Commit Messages and Commit Linked Issues*, University of Groningen, 2020.
5. Dammes de Zoeten, *An Exploratory Study on Technical Debt Introduction and Repayment in the Google Issue Tracker*, University of Groningen, 2020.
6. Oliver Holder, *Training Machine Learning Models to Automatically Identify Technical Debt in Issue Trackers*, University of Groningen, 2020.
7. Theodosios Athanasakis, *Measuring Parent Centrality in Java Packages*, University of Groningen, 2020.
8. Patrick Beuks, *Building a dependency graph from Java source code files*, University of Groningen, 2019.
9. Wouter Hertsenbergh, *A library for calculating Git change metrics*, University of Groningen, 2019.
10. Sophie Hugenholtz and Rayan Brouwer: *Identifying and Classifying Approaches for Sharing Architecture Decisions*, University of Groningen, 2016.
11. Ronald Kruizinga and Ruben Scheedler: *A viewpoint-based decision documenting tool for Microsoft Visio*, University of Groningen, 2016.
12. Marijn Scholtens, *Improving Quality Analysis during Continuous Integration*, University of Groningen, 2016.
13. Marijn Verbeek, *Guidelines for Identifying and Reporting Threats to Validity for Secondary Studies in Software Engineering: A Tertiary Study*, University of Groningen, 2015.
14. Jeroen David van Leusen, *Tool support for software metrics calculation of Java projects*, University of Groningen, 2014.
15. Razvan Florea, *RESTful Web Service for Architecture Decisions*, University of Groningen, 2014.
16. Cláudio Belo Lourenço, *Open Pattern Repository Plugin for Visual Paradigm*, University of Groningen, 2010.
17. Johan Drenthen, *Visualizing patterns in UML diagrams*, University of Groningen 2009.
18. Samuel Esposito, *Code Generation for UML Diagrams*, University of Groningen 2009.
19. Patrick Ratelband, *A visualization tool for displaying dynamically a topology layout*, University of Groningen 2008.

3 Professional Service

3.1 Scientific boards and experts committees

1. Member of the Selection committee for the 2023 ACM SIGSOFT Outstanding Research, Influential Educator, and Distinguished Service awards.
2. Member of the Scientific Advisory Board for Informatics of the Lorentz Center, University of Leiden, Jan. 2020 – Dec. 2024.
3. Committee for the *Best Engineering Thesis award*, Groningen Engineering Center, University of Groningen, 2020 and 2021 rounds.
4. Member of ICT Research Platform Nederland (IPN), 2018-present.
5. Steering committee of the Groningen Engineering Center, 2016 – present.
6. Vice-chair of the Dutch National Association for Software Engineering (VEReniging Software Engineering Nederland – VERSEN), 2020-present (board member since 2015).
7. Jury for the *Best PhD thesis prize*, Faculty of Mathematics and Natural Sciences, University of Groningen, 2015.
8. Expert Committee for the *Best IPA Dissertation Award*, Research School Institute for Programming and Algorithmics, the Netherlands, 2013 and 2014 rounds.
9. Advisory board for the EU FP7 TERESA project, <http://www.teresa-project.org/>, 2011-2013.
10. Board of the Research School “Institute for Programming and Algorithmics” (IPA), <http://www.win.tue.nl/ipa>, 2011-present.

3.2 Editorships of scientific journals

1. (co-)Editor-in-Chief of the Journal of Systems and Software, Elsevier, Jan. 2017 – present.
2. Member of the IEEE Software Editorial Board, serving as Associate Editor-in-Chief responsible for software engineering models and methods, 2015-present.
3. D. Falessi, P. Kruchten, P. Avgeriou, Special Issue of the Journal of Systems and Software on *Technical Debt in Software Systems*, 2016.
4. M. Galster, P. Avgeriou, D. Weyns, T. Männistö, Special Issue of the Journal of Systems and Software on *Variability in Software Architecture*, 2014.
5. P. Avgeriou, M. Stal, R. Hilliard, Special Issue of IEEE Software on *Architecture Sustainability*, November/December 2013.
6. P. Avgeriou, N. Harrison, U., Zdun, Special Issue of Springer Transactions on Pattern Languages of Programming (TPOPL): *Pragmatic and systematic approaches in applying patterns*, February 2011. <http://dx.doi.org/10.1007/978-3-642-19432-0>

7. P. Lago, P. Avgeriou, R. Hilliard, Special Issue of IEEE Software on *Software Architecture: Framing Stakeholders' Concerns*, November/December 2010.
8. Member of the editorial board of Transactions on Pattern Languages of Programming, Springer (TPLOP), 2008-present.

3.3 Organization of Scientific Events

1. Co-chair: Technical Briefings track, IEEE/ACM International Conference on Software Engineering (ICSE 2026), April 12-18, 2026, Rio de Janeiro, Brazil.
2. Co-chair: International Software Architecture PhD School (iSAPS 2025), 3-7 November 2025, Lorentz Center, the Netherlands.
3. Co-chair: Tutorials Track, ACM International Conference on the Foundations of Software Engineering (FSE 2025), June 23-27, 2025, Trondheim, Norway.
4. Co-chair: Most Influential Paper (MIP) Award committee, International Conference on Technical Debt 2025, Sat 26 April - Sun 4 May 2025, Ottawa, Ontario, Canada.
5. Co-organizer: First National Congress on Autonomous Systems 2025, 2nd April 2025, Drachten, the Netherlands.
6. Co-organizer: P. Avgeriou, I. Ozkaya, H. Koziolok, Z. Codabux, Dagstuhl Perspectives Workshop on "Reframing Technical Debt", 4-8 November 2024, Dagstuhl, Germany.
7. Co-chair, Joint ECSA/SPLC Discussion Panel on '*Software architectures and product lines: together for more impact*', 18th European Conference on Software Architecture (ECSA), 2-6 September 2024, Luxembourg.
8. Co-chair, Most Influential Paper (MIP) Award committee, 18th European Conference on Software Architecture (ECSA), 2-6 September 2024, Luxembourg.
9. Co-chair: Workshops Track, International Conference on Software Architecture (ICSA 2024), Hyderabad, India 4-8 June 2024.
10. Co-chair: International Software Architecture PhD School (iSAPS 2024), 21-24 May 2024, Lorentz Center, the Netherlands.
11. Co-organizer: Software Architecture Town Hall at the 46th International Conference on Software Engineering (ICSE 2024), April 14-20, Lisbon, Portugal.
12. Co-chair: International Software Architecture PhD School (iSAPS 2023), 5-9 June 2023, Lorentz Center, the Netherlands.
13. Co-chair, Most Influential Paper Award, IEEE International Conference on Software Architecture (ICSA 2023), 13-17 March 2023, L'Aquila, Italy.
14. Organizer: North SE 2022 – Connecting software research and practice, December 19th 2022, University of Groningen, the Netherlands.
15. Program co-chair: 38th IEEE International Conference on Software Maintenance and

- Evolution (ICMSE 2022), 3-7 October, 2022, Limassol, Cyprus.
16. Co-chair: Emerging Research and Vision Track, 16th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2022), Helsinki, Finland, 19-23 September 2022.
 17. Co-chair: Working Sessions, 19th IEEE International Conference on Software Architecture (ICSA 2022), 12-15 March 2022, Hawaii, USA.
 18. Co-chair: Working Session on Empirical Software Engineering Education, ISERN Annual Meeting, co-located with the 15th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2021), online.
 19. Co-chair: Journal First Track at the IEEE International Conference on Software Maintenance and Evolution (ICSME 2021), September 27 - October 1 2021, Luxembourg.
 20. Co-chair: Software Engineering and Technical Debt (SEaTeD) Track at the 47th EUROMICRO SEAA Conference, Palermo, Italy, September 6-8, 2021.
 21. Co-chair: Ideas, Visions and Reflections Track at the ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE 2021), Mon 23 - Fri 27 August 2021 Athens, Greece.
 22. Co-chair: International Software Architecture PhD School (iSAPS 2021), 14-18 June 2021, Lorentz Center, the Netherlands.
 23. Virtualization Co-chair: The ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE 2020), Fri 6 - Mon 16 November 2020 Sacramento, California, United States.
 24. Co-chair: Tool demos track at the 14th European Conference on Software Architecture (ECSA), 14-18 September 2020, L'Aquila, Italy.
 25. Co-chair: Special Session Software Engineering and Technical Debt (SEaTeD), at the 46th EUROMICRO SEAA, Portorož, Slovenia, August 26-28, 2020.
 26. Co-chair: Virtual Social Events of the International Conference on Software Engineering (ICSE 2020), July 6-10, 2020, Seoul, South Korea.
 27. Co-chair: Journal First Track of the 27th IEEE International Conference on Software Analysis, Evolution and Reengineering (SANER), London, Ontario, February 18-21, 2020.
 28. Organizer: Groningen Workshop on Technical Debt (GrowDebt), 24-26 June 2019, Groningen, the Netherlands.
 29. Co-chair: International Software Architecture PhD School (iSAPS 2019), 17-21 June 2019, Lorentz Center, the Netherlands.
 30. Program co-chair of the Second International Conference on Technical Debt (Tech Debt), May 26-27, 2019, Montreal, Canada.
 31. Organizer: North SE 2019 – Connecting software research and practice, April 8th 2019, University of Groningen, the Netherlands

32. Program co-chair of the International Conference on Software Architecture (ICSA 2019), March 25 – 29 2019, Hamburg, Germany.
33. Co-chair: 12th Workshop on Distributed Software Development, Software Ecosystems and Systems-of-Systems, in conjunction with the 12th European Conference on Software Architecture (ECSA) September 24th, 2018, Madrid, Spain.
34. Co-chair: PhD symposium at the European Conference on Software Architecture (ECSA 2018), 24-28th 2018, September, Madrid, Spain.
35. Co-chair: Special Session on Software Engineering and Technical Debt (SEaTeD), at the 44th EUROMICRO-SEAA (2018), 29-31 August 2018, Prague, Czech Republic.
36. Co-chair: K. Drira, F. Oquendo, P. Avgeriou, C. Cuesta, *Sixth International Workshop on Software Engineering for Systems-of-Systems (SESoS 2018)*, in conjunction with the 40th International Conference on Software Engineering (ICSE), Gothenburg, Sweden, 29th May 2018.
37. Co-chair: International Software Architecture PhD School (iSAPS), 23-26 April 2018, Lorentz Center, the Netherlands.
38. Co-chair: North SE 2017 – Connecting software research and practice, November 29th 2017, University of Groningen, the Netherlands
39. Co-chair: 15th International Doctoral Symposium on Empirical Software Engineering, at the Empirical Software Engineering Week, November 6-10, 2017, Toronto, Canada.
40. Co-chair: Special Session on Software Engineering and Technical Debt (SEaTeD), at the 43rd EUROMICRO-SEAA (2017), 1st September 2017, Vienna, Austria.
41. Co-chair: International Software Architecture PhD School (iSAPS), 6-9 June 2017, Lorentz Center, the Netherlands.
42. Co-chair: E. Nakagawa, F. Oquendo, P. Avgeriou, R. Santos, *Fifth International Workshop on Software Engineering for Systems-of-Systems (SESoS 2017)*, in conjunction with the 39th International Conference on Software Engineering (ICSE 2017), Buenos Aires, Argentina, 23rd May 2017.
43. Co-chair: *Software Architecture Tool Demonstrations*, at the International Conference on Software Architecture (ICSA 2017), 5–7 April 2017, Gothenburg, Sweden.
44. Co-chair: B. Hamid, P. Avgeriou, U. Zdun, *International workshop on Interplay of Security, Safety and System/Software Architecture (ISSA)*, in conjunction with the European Conference on Software Architecture (ECSA 2016), 28 Nov. – 2 Dec. 2016, Copenhagen, Denmark.
45. Co-chair: F. Oquendo, P. Avgeriou, C. Cuesta, K. Drira, E. Nakagawa, J. Maldonado, A. Zisman, *Fourth International Workshop on Software Engineering for Systems-of-Systems (SESoS 2016)*, in conjunction with 38th International Conference on Software Engineering (ICSE 2016), Austin, Texas, May 2016.
46. Co-organizer: P. Avgeriou, P. Kruchten, I. Ozkaya, C. Seaman, *Dagstuhl Seminar 16162 on Managing Technical Debt in Software Engineering*, Dagstuhl, Germany, April 17 – 22 , 2016.

47. Workshop and Tutorial chair of the *16th International Conference on Product-Focused Software Process Improvement (PROFES 2015)*, Bolzano, Italy, December 2-4, 2015.
48. Co-chair: N. Ernst, P. Avgeriou, P. Kruchten, *Seventh International Workshop on Managing Technical Debt (MTD 2015)*, in conjunction with ICSME 2015, October 2nd 2015, Bremen, Germany.
49. Co-chair: I. Ozkaya, R. Nord, H. Koziolk, P. Avgeriou, *Second Workshop on Software Architecture and Metrics (SAM 2015)*, in conjunction with 37th International Conference on Software Engineering (ICSE 2015), Florence, Italy, May 16, 2015.
50. Co-chair: F. Oquendo, P. Avgeriou, C. Cuesta, K. Drira, E. Nakagawa, J. Maldonado, A. Zisman, *Third International Workshop on Software Engineering for Systems-of-Systems (SESoS 2015)*, in conjunction with 37th International Conference on Software Engineering (ICSE 2015), Florence, Italy, May 17, 2015.
51. Program Chair of the *8th European Conference on Software Architecture (ECSA 2014)* Vienna, Austria, August 25-29, 2014.
52. Co-chair: F. Oquendo, P. Avgeriou, C. Cuesta, K. Drira, E. Nakagawa, J. Maldonado, A. Zisman, *2nd International Workshop on Software Engineering for Systems-of-Systems (SESoS 2014)*, hosted at the 8th European Conference on Software Architecture (ECSA 2014) Vienna, Austria, August 25-29, 2014.
53. Co-chair: J. Cleland-Huang, P. Avgeriou, J. Burge, X. Franch, M. Galster, M. Mirakhorli, R. Roshandel, *Fourth International Workshop on the Twin Peaks of Requirements and Architecture (TwinPeaks 2014)*, hosted at the 36th International Conference on Software Engineering (ICSE 2014), May 31-June 7, 2014, Hyberabad, India.
54. Co-chair: M. Galster, P. Avgeriou, D. Weyns, T. Männistö, *Third International Workshop on Variability in Software Architecture (VARSA 2014)*, hosted at the 11th Working IEEE/IFIP Conference on Software Architecture (WICSA 2014), Sydney, Australia on April 7-11, 2014.
55. Co-chair: Robert L. Nord, Ipek Ozkaya, Paris Avgeriou, Heiko Koziolk, *Workshop on Software Architecture Metrics (SAM)*, hosted at the 11th Working IEEE/IFIP Conference on Software Architecture (WICSA 2014), Sydney, Australia on April 7-11, 2014.
56. Chair: Software Engineering Track of the *ICT.OPEN*, 27-28 November 2013, Eindhoven, the Netherlands.
57. Co-chair: F. Oquendo, P. Avgeriou, C. Cuesta, J. Maldonado, E. Nakagawa, K. Drira, A. Zisman, *1st International Workshop on Software Engineering for Systems-of-Systems (SESoS 2013)*, hosted at the 7th European Conference on Software Architecture (ECSA 2013), Montpellier, France, July 1-5, 2013.
58. Co-chair: P. Avgeriou, J. Cleland-Huang, *Second International Workshop on the Twin Peaks of Requirements and Architecture (TwinPeaks 2013)*, hosted at the 35th International Conference on Software Engineering (ICSE 2013), May 18-26, 2013, San Francisco, USA.
59. Program chair of the 4th International Workshop on *Software Engineering for Resilient Systems (SERENE)*, September 24-27, 2012, Pisa, Italy.

60. Co-chair: M. Galster, P. Avgeriou, D. Weyns, M. Becker, 2nd International Workshop on *Variability in Software Architecture* (VARSA 2012), hosted at the Joint 10th Working IEEE/IFIP Conference on Software Architecture (WICSA) & 6th European Conference on Software Architecture (ECSA), 20-24 August 2012, Helsinki, Finland.
61. Co-chair: P. Avgeriou, N. Harrison, U., Zdun, Thematic Track on *Applying Patterns*, hosted at the European Pattern Languages of Programming (EuroPLoP) 2012, July 11-15, 2012, Irsee Monastery, Bavaria, Germany.
62. Program chair of the 16th *European Pattern Languages of Programming* (EuroPLoP) 2011, July 13-17, 2011, Irsee, Germany.
63. Tool Demonstrations chair of the 9th *Working IEEE/IFIP Conference on Software Architecture* (WICSA), 20-24 June 2011 Boulder, Colorado, USA.
64. Co-chair: M. Galster, P. Avgeriou, D. Weyns, T. Mannisto, Workshop on *Variability in Software Architecture* (VARSA 2011), hosted at the 9th Working IEEE / IFIP Conference on Software Architecture, June 20-24, 2011, Boulder, Colorado, USA.
65. Co-chair: P. Lago, P. Avgeriou, P. Kruchten, Sixth Workshop on *SHaring and Reusing architectural Knowledge* (SHARK 2011) hosted at the 33rd Int. Conf. on Software Engineering (ICSE 2011), Waikiki, Honolulu, Hawaii, May 21-28, 2011.
66. Chair: P. Avgeriou, Groningen Workshop on *Software Architecture*, 18th April 2011, Groningen, the Netherlands.
67. Co-chair: P. Kruchten and P. Avgeriou, Workshop on *Software Architecture Knowledge Management in Practice*, hosted at the National Architecture Congress (LAC 2010), Utrecht, the Netherlands, November 24-25, 2010.
68. Co-organiser: P. Kruchten and P. Avgeriou, Tutorial on *Software Architecture Knowledge Management in Practice*, hosted at the 4th European Conference on Software Architecture (ECSA 2010), Copenhagen, Denmark, August 23, 2010.
69. Co-chair: A. Helleboogh, P. Avgeriou, N. Boucké, P. Heymans, Workshop on *Variability in Software Product Line Architectures* (VARI-ARCH), hosted at the 4th European Conference on Software Architecture (ECSA 2010), Copenhagen, Denmark, August 23, 2010.
70. Co-chair: P. Avgeriou, N. Harrison, U., Zdun, Thematic Track on *Applying Patterns*, hosted at the European Pattern Languages of Programming (EuroPLoP) 2010, July 7-11, 2010, Irsee Monastery, Bavaria, Germany.
71. Conference chair of the 15th *European Pattern Languages of Programming* (EuroPLoP) 2010, July 7-11, 2010, Irsee, Germany.
72. Co-chair: P. Avgeriou, P. Lago, P. Kruchten, Fifth Workshop on *SHaring and Reusing architectural Knowledge* (SHARK 2010) hosted at the 32nd Int. Conf. on Software Engineering (ICSE 2010), Cape Town, South Africa, May 2-8, 2010.
73. Co-chair: P. Lago, P. Avgeriou, R. Hilliard, BoF session on *Architecture Viewpoints and Frameworks*, hosted at the 8th Working IEEE/IFIP Conference on Software Architecture (WICSA) and the 3rd European Conference on Software Architecture (ECSA), 14 September 2009, Cambridge, UK.

74. Co-chair: M. A. Babar, P. Lago, P. Avgeriou, The 2nd Workshop on *Empirical Assessment in Software Architecture* (EASA 09), hosted at the 8th Working IEEE/IFIP Conference on Software Architecture (WICSA) and the 3rd European Conference on Software Architecture (ECSA), 14 September 2009, Cambridge, UK.
75. Co-chair: P. Avgeriou, N. Harrison, U., Zdun, Thematic Track on *Applying Patterns*, hosted at the European Pattern Languages of Programming (EuroPLoP) 2009, July 8-12, 2009, Irsee Monastery, Bavaria, Germany.
76. Co-chair: A. Lazovik, H. Wortmann, P. Avgeriou, Workshop for *eGovernment via Software Services* (WeGovS2), hosted at the 18th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE), June 29-July 1, 2009, Groningen, Netherlands.
77. Co-chair: P. Lago, P. Avgeriou, P. Kruchten, Fourth Workshop on *SHaring and Reusing architectural Knowledge* (SHARK 2009) hosted at the 31st Int. Conf. on Software Engineering (ICSE 2009), Vancouver, Canada, May 16-24, 2009.
78. Co-chair: P. Avgeriou and J. Bosch, Groningen Workshop on *Software Architecture*, 19th September 2008, Groningen, the Netherlands.
79. Co-chair: P. Avgeriou, N. Harrison, U., Zdun, Thematic Track on *Pragmatic and systematic approaches in applying patterns*, hosted at the European Pattern Languages of Programming (EuroPLoP) 2008, July 9-13, 2008, Irsee Monastery, Bavaria, Germany.
80. Co-chair: P. Avgeriou, P. Lago, P. Kruchten, Third Workshop on *SHaring and Reusing architectural Knowledge* (SHARK 2008), hosted at the 30th Int. Conf. on Software Engineering (ICSE 2008), Leipzig, Germany, 10 - 18 May 2008.
81. Co-chair: P. Avgeriou and J. Bosch, Groningen Workshop on *Software Variability and Product Lines*, 9th May 2008, Groningen, the Netherlands.
82. Co-chair: M. A. Babar, P. Lago, P. Avgeriou, Workshop on *Empirical Assessment in Software Architecture* (EASA 08), hosted at the Working IEEE/IFIP Conference on Software Architecture, 18 February 2008, Vancouver, Canada.
83. Co-chair: P. Avgeriou, Paul S. Grisham, Philippe Kruchten, Patricia Lago, and Dewayne E. Perry, Second Workshop on *SHaring and Reusing architectural Knowledge - Architecture, rationale, and Design Intent* (SHARK/ADI 2007), hosted at the 29th Int. Conf. on Software Engineering (ICSE 2007), May 20-26, 2007, Minneapolis, MN, USA.
84. Co-chair: P. Avgeriou, U., Zdun, N. Harrison, Focus Group *Capturing Architectural Knowledge with Architectural Patterns*, hosted at the European Pattern Languages of Programming (EuroPLOP) 5th–9th July 2006, Irsee, Germany.
85. Co-chair: P. Avgeriou, U., Zdun, Isabelle Borne, 2nd Workshop on *Architecture-Centric Evolution*, hosted at the 20th European Conference on Object Oriented Programming (ECOOP 2006), July 3-7 2006, Nantes, France.
86. Co-chair: P. Lago, P. Avgeriou, Workshop on *SHaring and Reusing architectural Knowledge* (SHARK'2006), hosted at the 9th International Conference on Software Reuse (ICSR 2006), June 11-15, 2006, Torino, Italy.

87. Co-chair: P. Avgeriou, U., Zdun, Workshop on *Architecture-Centric Evolution*, hosted at the 19th European Conference on Object Oriented Programming (ECOOP 2005), Glasgow, Scotland, 25-29 July 2005.
88. Co-chair: P. Avgeriou, U., Zdun, Focus Group *Architectural Patterns in Practice*, hosted at the European Pattern Languages of Programming (EuroPLOP) 6th–10th July 2005, Irsee, Germany.
89. Co-chair: N. Medvidovic, P. Avgeriou, N. Guelfi, Workshop on *Software Architecture Description & UML*, hosted at the Seventh International Conference on UML Modeling Languages and Applications (UML 2004), October 11-15, 2004, Lisbon, Portugal.
90. Co-chair: S. Retalis, P. Avgeriou, Special Track on *Engineering e-Learning Systems* in the 2004 ACM Symposium on Applied Computing (SAC 2004), Nicosia, Cyprus, March 14 - 17, 2004.
91. Moderator: Special Interest Group on *Design Patterns for Learning Resources and Learning Management Systems*, University of Maastricht, the Netherlands, 1/10/2002 – 01/10/2004.
92. Organizing committee: *Usability of web-based learning resources* workshop, University of Athens, March 3rd 2001.
93. Organizing committee: *IEEE Learning Technologies Standardisation Committee* meeting, Athens, 4-8 Dec. 2000.

3.4 Steering committees

1. Steering Committee of the *International Conference on Software Architecture (ICSA)*, 2018-present.
2. Steering Committee of the *International Conference on Technical Debt (Tech Debt)*, formerly *International Workshop on Managing Technical Debt (MTD)*, 2015-present.
3. Steering Committee of the *International Workshop on the Twin Peaks of Requirements and Architecture (Twin Peaks)*, 2014-2016.
4. Steering Committee of the *European Conference on Software Architecture (ECSA)*, 2013-present (chair since November 2023).
5. Steering Committee of the *Seventh Workshop on SHaring and Reusing architectural Knowledge (SHARK 2012)* hosted at the Joint 10th Working IEEE/IFIP Conference on Software Architecture & 6th European Conference on Software Architecture (WICSA/ECSA'12), Helsinki, Finland, August 20-24, 2012.
6. Steering Committee of the *European Pattern Languages of Programming (EuroPLOP)*, Irsee Monastery, Bavaria, Germany, 2011-2016.
7. Steering Committee of the *IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE)*, 2009-2012.

3.5 Program committees

1. Program Committee of the 19th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2025), Honolulu, Hawaii, USA, October 2-3, 2025
2. Program Committee of the 19th European Conference on Software Architecture (ECSA 2025), Cyprus, 15-19 September, 2025.
3. Program Committee of the 8th International Conference on Technical Debt (TechDebt 2025), April 27- 28, 2025, Ottawa, Ontario, Canada.
4. Program Committee of the 22nd IEEE International Conference on Software Architecture (ICSA 2025), Odense, Denmark March 31 - April 4, 2025.
5. Program Committee of the 18th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2024), Barcelona, Spain, October 24-25, 2024.
6. Program Committee of the 40th International Conference on Software Maintenance and Evolution (ICSME 2024), Flagstaff, USA, Oct 6-11, 2024.
7. Program Committee of the 18th European Conference on Software Architecture (ECSA), 2-6 September 2024, Luxembourg.
8. Program Committee of the 28th International Conference on Evaluation and Assessment in Software Engineering (EASE 2024), Salerno, Italy, June 17-21, 2024.
9. Program Committee of the 21st IEEE International Conference on Software Architecture (ICSA 2024), Hyderabad, India, 4 - 8 June 2024.
10. Program Committee of the 7th International Conference on Technical Debt 2024 (Tech Debt 2024), Lisbon, Portugal, 14 - 15 April 2024.
11. Program Committee of the 17th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2023), 23-27 Oct. 2023, New Orleans, USA.
12. Program Committee of the 39th International Conference on Software Maintenance and Evolution (ICSME 2023), Bogotá, Colombia, 1-6 Oct. 2023.
13. Program Committee of the 17th European Conference on Software Architecture (ECSA 2023), September 18 - 22, 2023, Istanbul, Turkey.
14. Program Committee of the International Conference on Evaluation and Assessment in Software Engineering (EASE 2023), 14 - 16 June 2023 Oulu, Finland.
15. Program Committee of the 45th International Conference on Software Engineering (ICSE 2023), Melbourne, Australia, 14-20 May 2023.
16. Program Committee of the ACM/IEEE International Conference on Technical Debt (Tech Debt 2023), co-located with ICSE 2023, May 14-15 2023, Melbourne, Australia.
17. Program Committee of the 20th IEEE International Conference on Software Architecture (ICSA 2023), 13-17 March 2023, L'Aquila, Italy.
18. Program Committee of the 16th European Conference on Software Architecture (ECSA 2022), 19-23 Sep. 2022, Prague, Czech republic.
19. Program Committee of the 15th International Symposium on Empirical Software Engineering and Measurement (ESEM 2022), Helsinki, Finland, 19-23 Sep. 2022.
20. Program Committee of the 5th International Conference on Technical Debt (TechDebt 2022), collocated with the 44rd International Conference on Software Engineering, 22-27 May 2022, Pittsburgh, USA.
21. Program Committee of the ACM Student Research Competition (SRC) at the 44th International Conference on Software Engineering (ICSE 2022), 22-27 May 2022, Pittsburgh, USA.
22. Program Committee of the 19th IEEE International Conference on Software Architecture (ICSA 2022), 12-15 March 2022, Hawaii, USA.
23. Program Committee of the 15th International Symposium on Empirical Software Engineering

- and Measurement (ESEM 2021), Bari, Italy, October 11th to 15th, 2021.
24. Program Committee of the 15th European Conference on Software Architecture (ECSA 2021), 13-17 September 2021, Växjö, Sweden.
 25. Program Committee of the Software Engineering In Practice (SEIP) Track at the International Conference on Software Engineering (ICSE 2021), Madrid, Spain from May 22-30 2021.
 26. Program Committee of the fourth International Conference on Technical Debt (Tech Debt 2021), May 23-24, 2021, collocated with the International Conference on Software Engineering (ICSE 2021).
 27. Program Committee of the International Conference on Software Architecture (ICSA) 2021, March 22 – 26, Stuttgart, Germany.
 28. Program Committee of the Software Engineering Education and Training (SEET) track, International Conference on Software Engineering (ICSE 2020), May 23-29, 2020, Seoul, South Korea.
 29. Program Committee of the Third International Conference on Technical Debt 2020 (TechDebt 2020), May 25-26, 2020, Seoul, South Korea.
 30. Program Committee of the IEEE International Conference on Software Architecture (ICSA 2020), 16-20, March, Salvador, Brazil
 31. Program Committee of the 13th European Conference on Software Architecture (ECSA 2019), September 9-13, 2019, Paris, France.
 32. Program Committee of the Special Session on Software Engineering and Technical Debt (SEaTeD) at the 45th EUROMICRO SEAA, August 28-30, 2019, Thessaloniki, Greece.
 33. Program Committee of the 18th International Conference on Software and Systems Reuse (ICSR 2019), June 26-28, 2019, Cincinnati, USA.
 34. Program Committee of the Software Engineering Education and Training (SEET) Track at the International Conference on Software Engineering (ICSE 2019), May 25 - June 1, 2019, Montreal, Canada.
 35. Program Committee of the 7th International Workshop on Software Engineering for Systems-of-Systems (SESoS 2019), at the International Conference on Software Engineering (ICSE 2019), May 25 - June 1, 2019, Montreal, Canada.
 36. Program Committee of the Evaluation and Assessment in Software Engineering (EASE 2019), April 14-17, Copenhagen, Denmark.
 37. Program Committee of the 3rd Conference Track on Software-intensive Systems-of-Systems (SiSoS 2019) at the 34th ACM Symposium On Applied Computing (SAC), April 8-12, 2019, Limassol, Cyprus.
 38. Program Committee of the 12th European Conference on Software Architecture (ECSA 2018), September 24-28, 2018, Madrid, Spain.
 39. Program Committee of the Evaluation and Assessment in Software Engineering (EASE 2018), 27-29 June 2018, Christchurch, New Zealand.
 40. Program Committee of the International Conference on Technical Debt (TechDebt 2018), collocated with ICSE 2018, 27-28 May 2018, Gothenburg, Sweden.
 41. Program Committee of the International Conference on Software Architecture (ICSA), April 30 – May 4, 2018, Seattle, USA.
 42. Program Committee of the New and Emerging Ideas track of the International Conference on Software Architecture (ICSA NEMI), April 30 – May 4 2018, Seattle, USA
 43. Program Committee of the 2nd Conference Track on Software-intensive Systems-of-Systems (SiSoS 2018), at the 33rd ACM Symposium On Applied Computing (SAC), April 9-13 2018, Pau, France.
 44. Program Committee of the 17th International Conference on Software Reuse, (ICSR 2018), Madrid, Spain, May 21-23rd, 2018.

45. Program Committee of the 1st International Workshop on Emerging Trends in Software Design and Architecture (WETSoDA 2017), co-located with APSEC 2017, Dec 4-8, 2017, Nanjing, China.
46. Program Committee of the ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2017), Toronto, Canada, November 9-10, 2017.
47. Program Committee of the Doctoral Symposium of the 1th European Conference on Software Architecture (ECSA 2017), September 11—15, 201, Canterbury, UK.
48. Program Committee of the 1th European Conference on Software Architecture (ECSA 2017), September 11—15, 201, Canterbury, UK.
49. Program Committee of the *23rd European Pattern Languages of Programming* (EuroPLoP 2017), Irsee Monastery, Bavaria, Germany, 4-8 July 2017.
50. Program Committee of the Evaluation and Assessment in Software Engineering Conference (EASE 2017), 15-16 June, Karlskrona, Sweden.
51. Program Committee of the 16th International Conference on Software Reuse (ICSR), May 29-31 2017, Salvador, Brazil.
52. Program Committee of second International Workshop on Variability and Complexity in Software Design (VACE), co-located with the 39th International Conference on Software Engineering, May 20 - 28, 2017, Buenos Aires, Argentina.
53. Program Committee of the First International Workshop on Establishing a Community-Wide Infrastructure for Architecture-Based Software Engineering (ECASE'17), co-located with the 39th International Conference on Software Engineering, May 20 - 28, 2017, Buenos Aires, Argentina.
54. Program Committee of the Software Engineering Education and Training Track of ICSE2017, the 39th International Conference on Software Engineering, May 20-28, 2017, Buenos Aires, Argentina.
55. Program Committee of the Ninth International Workshop on Managing Technical Debt (MTD 2017), in conjunction with the 18th International XP Conference, Cologne, 22nd May 2017.
56. Program Committee of the New and Emerging Ideas track (NEMI) of the International Conference on Software Architecture (ICSA 2017), April 3-7 2017, Gothenburg, Sweden.
57. Program Committee of the International Conference on Software Architecture (ICSA 2017), April 3-7 2017, Gothenburg, Sweden.
58. Program Committee of the 2nd International Workshop on decision Making in Software ARCHitecture (MARCH), collocated with the International Conference on Software Architecture (ICSA 2017), April 3-7 2017, Gothenburg, Sweden.
59. Program Committee of the Track on Software-intensive Systems-of-Systems (SiSoS 2017) at the 32th ACM Symposium On Applied Computing (SAC), April 3-7 2017, Marrakech, Morocco.
60. Program Committee of the International Workshop on Technical Debt Analytics (TDA 2016) in conjunction with The Asia-Pacific Software Engineering Conference (APSEC 2016), Dec. 6th 2016, Hamilton, New Zealand.
61. Program Committee of the *10th European Conference on Software Architecture* (ECSA 2016), 28 Nov. – 2 Dec. 2016, Copenhagen, Denmark.
62. Program Committee of the Tool Demos of the *10th European Conference on Software Architecture* (ECSA 2016), 28 Nov. – 2 Dec. 2016, Copenhagen, Denmark.
63. Program Committee of the *4th International Workshop on Ecosystem Architectures* (WEA 2016), co-located with the European Conference on Software Architecture (ECSA 2016), 28 Nov. – 2 Dec. 2016, Copenhagen, Denmark.
64. Program Committee of the 20th Pan-Hellenic Conference on Informatics (PCI), Patras,

Greece.

65. Program Committee of the *Eighth workshop on Managing Technical Debt (MTD 2016)*, in conjunction with the International Conference on Software Maintenance and Evolution (ICSME 2016), Raleigh, North Carolina, October 4, 2016.
66. Program Committee of the *30th Brazilian Symposium on Software Engineering (SBES 2016)*, 19-23 Sep. 2016, Maringa, Brazil.
67. Program Committee of the *10th Workshop on Distributed Software Development, Software Ecosystems and Systems-of-Systems (WDES'16)*, 21st Sep. 2016, Maringa, Brazil.
68. Program Committee of the *International Workshop on Requirements Patterns (RePa)*, in conjunction with the International Requirements Engineering Conference (RE'16), September 13, 2016, Beijing, China.
69. Program Committee of the Short Papers and Posters track at the *International Symposium on Empirical Software Engineering and Measurement (ESEM 2016)*, Sep. 8-9, 2016, Ciudad Real, Spain.
70. Program Committee of the *3rd International Workshop on Measurement and Metrics for Green and Sustainable Software (MEGSuS'16)*, co-located with the *International Symposium on Empirical Software Engineering and Measurement (ESEM 2016)*, Sep. 8-9, 2016, Ciudad Real, Spain.
71. Program Committee of *8th International Workshop on Software Engineering for Resilient Systems (SERENE 2016)*, Gothenburg, Sweden, September 5-6, 2016.
72. Program Committee of the *21st European Pattern Languages of Programming (EuroPloP 2016)*, Irsee Monastery, Bavaria, Germany, 6-10 July 2016.
73. Program Committee of the *28th International Conference on Advanced Information Systems Engineering (CAiSE'16)*, Ljubljana, Slovenia, June 13-17, 2016.
74. Program Committee of the *15th International Conference on Software Reuse (ICSR 2016)*, June 5-7 2016, Limassol, Cyprus.
75. Program Committee of the *20th International Conference on Evaluation and Assessment in Software Engineering (EASE)*, 1-3- June 2016, Limerick, Ireland.
76. Program Committee of the *2nd International Workshop on Software Engineering for Smart Cyber-Physical Systems (SEsCPS)*, co-located with the International Conference on Software Engineering (ICSE 2016), May 14-22 2016, Austin, Texas
77. Program Committee of the *Software Engineering Education Track at the International Conference on Software Engineering (ICSE 2016)*, May 14-22 2016, Austin, Texas.
78. Program Committee of the *1st International Workshop on decision Making in Software ARCHitecture (MARCH)*, collocated with the 13th Working IEEE/IFIP Conference on Software Architecture (WICSA), 5–8 April 2016, Venice, Italy.
79. Program Committee of the *joint WICSA/CompArch: 13th Working IEEE/IFIP Conference on Software Architecture (WICSA)*, the 19th International ACM SIGSOFT Symposium on Component-Based Software Engineering (CBSE), and the 12th International ACM Sigsoft Conference on the Quality of Software Architectures (QoSA), 5–8 April 2016, Venice, Italy
80. Program Committee of the *SIKS Track, ICT.OPEN*, March 22-23, 2016, Amersfoort, the Netherlands.

81. Program Committee of the Short Papers and Posters Track of the *9th International Symposium on Empirical Software Engineering and Measurement (ESEM)*, Beijing, China, October, 22-23, 2015.
82. Program Committee of the *2nd International Workshop on Measurement and Metrics for Green and Sustainable Software (MEGSuS'15)*, co-located with IWSM-MENSURA, Cracow, Poland, October 5-7, 2015
83. Program Committee of the *19th Panhellenic Conference on Informatics (PCI 2015)*, 1-3 October 2015, Athens, Greece.
84. Program Committee of the *9th Workshop on Distributed Software Development, Software Ecosystems and Systems-of-Systems (WDES 2015)*, co-located with CBSoft 2015, Belo Horizonte, Minas Gerais, Brazil, September 23rd 2015.
85. Program Committee of the *9th Brazilian Symposium on Software Components, Architectures, and Reuse (SBCARS 2015)*, September 21-26 2015, Belo Horizonte, Minas Gerais, Brazil.
86. Program Committee of the *7th International Workshop on Software Engineering for Resilient Systems (SERENE 2015)*, Paris, France, 7-8 September 2015.
87. Program Committee of the *joint 7th Workshop on Software Ecosystems (IWSECO 2015) - 3rd International Workshop on Ecosystem Architectures (WEA 2015)*, co-located with the European Conference on Software Architecture (ECSA 2015), September 07 – 11, 2015, Cavtat/Dubrovnik, Croatia.
88. Program Committee of the *1st International Workshop on Software Architecture Asset Decision-Making (SAADM)*, in conjunction with the 9th European Conference on Software Architecture (ECSA 2015), September 7 - 11, 2015, Dubrovnik/Cavtat, Croatia.
89. Program Committee of the Tool Demos Track of the *9th European Conference on Software Architecture (ECSA 2015)*, September 7 - 11, 2015, Dubrovnik/Cavtat, Croatia.
90. Program Committee of the *9th European Conference on Software Architecture (ECSA 2015)*, September 7 - 11, 2015, Dubrovnik/Cavtat, Croatia.
91. Program Committee for the *Fifth International Workshop on Requirements Patterns (RePa'15)*, in conjunction with the 23rd International Conference on Requirements Engineering (RE), August 25, 2015, Ottawa, Canada.
92. Program Committee of the *20th European Pattern Languages of Programming (EuroPLoP 2015)*, Irsee Monastery, Bavaria, Germany, 8-12 July 2015.
93. Program Committee of the *Fifth International Symposium on Business Modeling and Software Design (BMSD 2015)*, 6-8 July 2016, Milano, Italy.
94. Program Committee of the *27th International Conference on Advanced Information Systems Engineering (CAiSE 2015)*, Stockholm, Sweden, June 08-12 2015.
95. Program Committee of the *1st International Workshop on Software Engineering for Smart Cyber-Physical Systems (SEsCPS)*, in conjunction with the International Conference on Software Engineering (ICSE 2015), May 16-24, Firenze, Italy.

96. Program Committee of the *1st International Workshop on Exploring Component-based Techniques for Constructing Reference Architectures (CobRA 2015)*, in conjunction with WICSA 2015, May 6th 2015, Montreal, Canada.
97. Program Committee of the *12th Working IEEE/IFIP Conference on Software Architecture (WICSA 2015)*, Montreal, Canada, 4-8 May 2015,
98. Program Committee of the *Eleventh International ACM Sigsoft Conference on the Quality of Software Architectures (QoSA 2015)*, May 4-8, 2015, Montreal, Canada.
99. Program Committee of the *3rd International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2015)*, Loire Valley, France, 9-10 February 2015.
100. Program Committee of the *14th International Conference on Software Reuse (ICSR)*, Miami, Florida, January 4-6, 2015.
101. Program Committee of the *6th International Workshop on Software Engineering for Resilient Systems (SERENE 2014)*, Budapest, Hungary, October 15-16, 2014.
102. Program Committee of the *1st International Workshop on Measurement and Metrics for Green and Sustainable Software (MEGSuS'14)*, collocated with IWSM-MENSURA, Rotterdam, The Netherlands, October 2014.
103. Program Committee of the *18th Panhellenic Conference on Informatics (PCI 2014)*, Athens, Greece, on 2nd - 4th, October 2014.
104. Program Committee of the *8th Brazilian Symposium on Software Components, Architectures and Reuse (SBCARS 2014)*, Maceio, September 28- October 3, 2014.
105. Program Committee of the *Sixth workshop on Managing Technical Debt (MTD 2014)*, collocated with the International Conference on Software Maintenance and Evolution (ICSME 2014), September 30, Victoria, BC, Canada.
106. Program Committee of the *8th ACM / IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM)*, Short Papers Track, Turin, Italy on 18-19 September 2014.
107. Program Committee of the 28th international conference *EnviroInfo 2014*, September, 10-12, Oldenburg, Germany.
108. Program Committee of the *Fourth International Workshop on Requirements Patterns (RePa 14)*, in conjunction with the 22nd IEEE Requirements Engineering Conference, 26 August 2014, Kalskrona, Sweden.
109. Program Committee of the *6th Workshop on Software Ecosystems (IWSECO 2014) and the 2nd International Workshop on Ecosystem Architectures (WEA 2014)*, in conjunction with the European Conference on Software Architecture (ECSA 2014), August 25 – 29, 2014, Vienna, Austria.
110. Program Committee of the *19th European Pattern Languages of Programming (EuroPLoP 2014)*, Irsee Monastery, Bavaria, Germany, 10-14 July 2014.

111. Program Committee of the *Fourth International Symposium on Business Modeling and Software Design (BMSD)*, 24-26 June, 2014, Luxembourg, Grand Duchy of Luxembourg.
112. Program Committee of the *International track on Adaptive and Reconfigurable Service-oriented and component-based Applications and Architectures (AROSA)*, in conjunction with the 23rd IEEE International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises, June, 23rd-25th, 2014, Parma – Italy.
113. Program Committee of the *26th International Conference on Advanced Information Systems Engineering (CAiSE 2014)*, 16-20 June 2014, Thessaloniki, Greece.
114. Program Committee of the *1st APSIS Workshop (Advanced Probability and Statistics for Information Systems)*, in conjunction with the *26th International Conference on Advanced Information Systems Engineering (CAiSE 2014)*, 16-20 June 2014, Thessaloniki, Greece.
115. Program committee of the *Track on Service Oriented, Computing for Systems & Applications*, in conjunction with the 5th International Conference on Ambient Systems, Networks and Technologies (ANT-2014), Hasselt, Belgium, June 2 - 5, 2014.
116. Program Committee of the Eighth IEEE International Conference on Research Challenges in Information Science (RCIS 2014), Marrakesh, Morocco, 28-30 May 2014.
117. Program Committee of the *11th Working IEEE/IFIP Conference on Software Architecture (WICSA 2014)*, Sydney, Australia on April 7-11, 2014.
118. Program Committee of the *Doctoral Symposium of the 11th Working IEEE/IFIP Conference on Software Architecture (WICSA 2014)*, Sydney, Australia on April 7-11, 2014.
119. Program Committee of the *2nd International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2014)*, Lisbon, Portugal, 7-9 January 2014.
120. Program Committee of the *4th International Conference on Pervasive and Embedded Computing and Communication Systems (PECCS 2014)*, Lisbon, Portugal, 7-9 January 2014.
121. Program Committee of the *5th International Workshop on Software Engineering for Resilient Systems (SERENE)*, October 3-4, 2013, Kiev, Ukraine.
122. Program Committee of the *7th Brazilian Symposium on Software Components, Architectures and Reuse (SBCARS 2013)*, Brasilia, September 29- October 4, 2013.
123. Program Committee of the *17th Panhellenic Conference on Informatics (PCI 2013)*, Thessaloniki, Greece, 19-21 September 2013.
124. Program Committee of the *International Workshop on Ecosystem Architectures (WEA2013)*, in conjunction with the 9th joint meeting of the European Software Engineering Conference (ESEC) and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (FSE), St. Petersburg, Russia, August 19, 2013.
125. Program Committee of the *Third International Workshop on Requirements Patterns (RePa 13)*, in conjunction with the 21st IEEE Requirements Engineering Conference, 15-16 July, 2013, Rio, Brazil.

126. Program Committee of the *18th European Pattern Languages of Programming* (EuroPloP), Irsee Monastery, Bavaria, Germany, 10-14 July 2013.
127. Program Committee of the *27th European Conference on Object-Oriented Programming* (ECOOP), Montpellier, France, July 1-5, 2013.
128. Program Committee of the *7th European Conference on Software Architecture* (ECSA 2013) Montpellier, France, July 1-5, 2013.
129. Program Committee of the *second workshop on ACadeMics Tooling with Eclipse* (ACME), co-located with the 27th European Conference on Object-Oriented Programming (ECOOP), Montpellier, France, July 1-5, 2013.
130. Program Committee of the *International Workshop on Security and Dependability for Resource Constrained Embedded Systems* (S&D4RCES) in conjunction with the 13th International Conference on Software Reuse 18-21 June 2013 Pisa, Italy.
131. Program Committee of the *4th International ACM SIGSOFT Symposium on Architecting Critical Systems* (ISARCS), Federated with CompArch 2013, 17–21 June 2013 in Vancouver, British Columbia, Canada.
132. Program Committee of the *13th International Conference on Software Reuse* (ICSR), 18-21 June 2013, Pisa, Italy.
133. Program Committee of the *Seventh IEEE International Conference on Research Challenges in Information Science* (RCIS), May 29-31 2013, Paris, France.
134. Program Committee of the *Energy Aware Software-Engineering and Development* workshop, co-located with the BUIS-Days: IT-based resource and energy management, 25 April 2013, Oldenburg, Germany.
135. Program Committee of the *Workshop on Dependability in Adaptive and Self-Managing Systems* (WDASS 2013), co-located with the Sixth Latin-American Symposium on Dependable Computing (LADC 2013), Rio de Janeiro, RJ, Brazil, April 1-5, 2013.
136. Program Committee of the *First South African Workshop on Software Architecture* (at SAICSIT'2012), Irene Country Lodge, South Africa, October 1st 2012.
137. Program Committee of the *Second International Workshop on Requirements Patterns* (RePa 12), in conjunction with the 20th IEEE Requirements Engineering Conference, 24th Sep. 2012, Chicago, USA.
138. Program Committee of the *6th Brazilian Symposium on Software Components, Architectures and Reuse* (SBCARS 2012), Natal, Brazil, September 23-28, 2012.
139. Program Committee of the *10th Working IEEE/IFIP Conference on Software Architecture* (WICSA) & 6th European Conference on Software Architecture (ECSA) - WICSA/ECSA 2012, 20-24 August 2012, Helsinki, Finland.
140. Program Committee of the *Second Workshop on Architecture in Global Software Engineering* (AGSE), hosted at the Joint 10th Working IEEE/IFIP Conference on Software Architecture & 6th European Conference on Software Architecture (WICSA/ECSA'12), Helsinki, Finland, August 20-24, 2012.

141. Program Committee of the *International Conference on Software Architecture and Patterns*, in conjunction with the 10th Latin American and Caribbean Conference for Engineering and Technology, July 23-27, 2012, Panama City, Panama.
142. Program Committee of the *17th IEEE International Conference on Engineering of Complex Computer Systems (ICECCS)*, Paris, France, July 18 - 20, 2012.
143. Program Committee of the *17th European Pattern Languages of Programming (EuroPLoP)*, Irsee Monastery, Bavaria, Germany, 11-15 July 2012.
144. Program Committee of the *24th International Conference on Advanced Information Systems Engineering (CAiSE'12)*, Gdansk, Poland, June 25-29th, 2012.
145. Program Committee of the *6th International Conference on Research Challenges in Information Science (RCIS)*, Valencia, Spain, May 16th-18th, 2012.
146. Program Committee of the *9th IEEE Workshop on Model-Based Development for Computer-Based Systems (ECBS-MBD2012)*, Novi Sad, Serbia, April 11-13, 2012.
147. Program Committee of the *5th Brazilian Symposium on Software Components, Architectures and Reuse (SBCARS)*, Sao Paulo, Brazil, Sep. 26-30 2011.
148. Program Committee of the *3rd International Workshop on Software Engineering for Resilient Systems (SERENE)*, September 29-30, 2011, Geneva, Switzerland.
149. Program Committee of the *5th European Conference on Software Architecture (ECSA 2011)* 13-16 September 2011, Essen, Germany.
150. Program Committee of *The First International Workshop on Requirements Patterns (RP'11)*, in conjunction with the 19th IEEE International Requirements Engineering Conference (RE'11) in Trento, Italy, Aug. 29-Sep. 2 2011.
151. Program Committee of the *First Workshop on Architecture in Global Software Engineering* at the 6th International Conference on Global Software Engineering (ICGSE 2011), Helsinki, Finland, August 15, 2011.
152. Program Committee of the *16th European Pattern Languages of Programming (EuroPLoP) 2011*, July 13-17, 2011, Irsee, Germany.
153. Program Committee of the *IEEE International Workshop on the Future of Software Engineering FOR and IN the Cloud*, in conjunction with the IEEE ICWS 2011, SCC2011, CLOUD 2011, and SERVICES 2011, Washington DC, USA, July 4-9 2011.
154. Program Committee of the *23rd International Conference on Advanced Information Systems Engineering (CAiSE)*, London, UK, June 20-24th, 2011.
155. Program Committee of the *9th Working IEEE/IFIP Conference on Software Architecture (WICSA)*, 20-24 June 2011 Boulder, Colorado, USA.
156. Program Committee of the *International Conference on Software Reuse 2011 (ICSR'11)*, June 13-17, 2011, Pohang, South Korea.
157. Program Committee of the *Fifth IEEE International Conference on Research Challenges in Information Science (RCIS 2011)*, May 19-21, 2011, Gosier, Guadeloupe, France.

158. Program Committee of the *8th IEEE Workshop on Model-Based Development for Computer-Based Systems -Covering Domain and Design Knowledge in Models*, within the 18th IEEE International Conference on Engineering of Computer-Based Systems (ECBS2011), Las Vegas, USA, 27-29 April, 2011.
159. Program Committee of the *Doctoral Symposium in the 4th European Conference on Software Architecture (ECSA)*, August 23 – 26, 2010, Copenhagen, Denmark.
160. Program Committee of the *4th European Conference on Software Architecture (ECSA)*, August 23 – 26, 2010, Copenhagen, Denmark.
161. Program Committee of the workshop on *KNOWledge engINeering in Global software development (KNOWING)*, co-located with the IEEE International Conference on Global Software Engineering, (ICGSE 2010) in Princeton, NJ, USA, August 23-26, 2010.
162. Program Committee of the *15th European Pattern Languages of Programming (EuroPLoP) 2010*, July 7-11, 2010, Irsee, Germany.
163. Program and Organizing Committee of the *2nd ACM International Workshop on Software Engineering for Resilient Systems (SERENE 2010)*, 15-16 April 2010, Birkbeck College, London, UK.
164. Program Committee of the *7th joint meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC-FSE 2009)*, August 24-28, 2009, in Amsterdam, The Netherlands.
165. Program Committee of the *33rd Annual IEEE International Computer Software and Applications Conference (COMPSAC 2009)*, Seattle, Washington, July 20 - July 24, 2009.
166. Program Committee of the workshop on *KNOWledge engINeering in Global software development (KNOWING)*, co-located with the 4th IEEE International Conference on Global Software Engineering, 13 July 2009, Limerick, Ireland.
167. Program Committee of the *Joint Workshop of QACOS and OSSPL: Quality and Architectural Concerns in Open Source Software - Open Source Software and Product Lines*, Collocated with the 5th International Conference on Open Source Systems (OSS2009), Skövde, Sweden, 3-6 June 2009.
168. Program Committee of *Architectures for Distributed Systems*, Software Technology Track Mini-track, hosted at the Forty-second Annual Hawaii International Conference of Systems Sciences, January 5-8, 2009.
169. Program Committee of the *First International Workshop on Multimedia, Information Privacy and Intelligent Computing Systems*, (MPIS 2008), in conjunction with the 2008 IEEE Asia-Pacific Services Computing Conference, 9-10 December, 2008, Jiaosi, Yilan, Taiwan.
170. Program Committee of the *International Workshop on Modeling Mobile Applications and Services (M2AS'08)*, in conjunction with the 27th International Conference on Conceptual Modeling (ER 2008), Barcelona, 20-23 October 2008.
171. Program Committee for the Short Papers and Posters of the *9th International Conference on Product Focused Software, Process Improvement (PROFES 2008)*, June 23 - 25, 2008, Frascati, Rome, Italy.

172. Program and Organizing Committee of the *RISE/EFTS Joint International Workshop on Software Engineering for REsilieNt systems* (SERENE 2008), November 17-19, 2008, Newcastle upon Tyne (UK).
173. Program Committee of the *Third Asia-Pacific Workshop on Software Architectures and Component Technologies* (SACT 2008), Beijing, May 2008.
174. Program committee of the *3rd International Workshop on Rapid Integration of Software Engineering techniques* (RISE), November 26-27, 2007, Luxembourg.
175. Program Committee of the *Second IEEE Asia-Pacific Workshop on Software Architectures and Component Technologies* (SACT 2007), Beijing, July 24-27, 2007.
176. Program committee of the *12th European Pattern Languages of Programming* (EuroPLOP) 4th–8th July 2007, Irsee, Germany.
177. Program committee of the *3rd International Workshop on Rapid Integration of Software Engineering techniques* (RISE), 13-15 September, 2006, University of Geneva, Switzerland.
178. Program committee of *e-Society* 2006, Dublin, Ireland, 13–16 July 2006.
179. Program committee of the *RISE 2005 International Workshop on Rapid Integration of Software Engineering techniques*, September 8-9, 2005, Heraklion, Crete, Greece.
180. Program committee of the Workshop on *QUantitative-based Evaluation, Visualization and Refactoring* (QUEVER 2004) at the Seventh International Conference on UML Modeling Languages and Applications (UML 2004), October 11-15, 2004, Lisbon, Portugal.
181. Program committee of the *Sixth International Conference on Computer Based Learning in Science* (CBLIS '03), Nicosia, Cyprus, 5-10 July, 2003.
182. Program committee of the *International Conference on Network Universities and E-learning* Valencia, Spain, 8-9 May, 2003.

3.6 Faculty member evaluation committees

1. External referee for the promotion of a faculty member at the VU Amsterdam, the Netherlands, 2022.
2. External referee for a tenure track position, Tampere University, Finland, 2022.
3. External referee for the promotion of a faculty member at the City University of Hong Kong, 2020.
4. Tenure Track committee for an assistant professor, Computer Science Department, VU University Amsterdam, the Netherlands, 2019.
5. Evaluation committee for the selection of a faculty member of the University of Macedonia, Greece, 2019.
6. External referee for a tenure track position, Aalto University, Finland, 2018.
7. External referee for five tenure track positions, Oulu University, Finland, 2018.
8. Evaluation committee for the promotion of a faculty member of the Technological Educational Institute of Thessaly, Greece, 2016.

9. Evaluation committee for the promotion of a faculty member of the Aristotle University of Thessaloniki, Greece, 2016.
10. Evaluation committee for the promotion of a faculty member of the University of Macedonia, Greece, 2016.
11. Evaluation committee for the promotion of a faculty member of the University of Athens, Greece, 2016.
12. Evaluation committee for the promotion of a faculty member of the National Technical University of Athens, Electrical and Computer Engineering, Greece, 2016.
13. Evaluation committee for the promotion of a faculty member of the National Technical University of Athens, Rural and Surveying Engineering, Greece, 2016.
14. Evaluation committee for the promotion of a faculty member of the University of Ioannina, Greece, 2016.
15. External referee for the evaluation of a faculty member of the University of Helsinki, Finland, 2016.
16. Evaluation committee for the promotion of a faculty member of the Technological Educational Institute of Thessaly, Greece, 2014.
17. Evaluation committee for the promotion of a faculty member of the Aristotle University of Thessaloniki, Greece, 2014.
18. Evaluation committee for the promotion of a faculty member of the Technological Educational Institute of Piraeus, Greece, 2013-2014.
19. Evaluation committee for the promotion of a faculty member of the Alexander Technological Educational Institute of Thessaloniki, Greece, 2013.
20. Evaluation committee for the promotion of a faculty member of the University of Crete, Greece, 2013.
21. Evaluation committee for the promotion of a faculty member of the University of Ioannina, Greece, 2012-2013.
22. Evaluation committee for the promotion of a faculty member of the Technological Educational Institute of Patras, Greece, 2011-2012.

3.7 Examiner in Habilitation Committees

1. Dr. Brahim Hamid, *Engineering secure systems: patterns, properties, models, analysis and experimental evaluations*, Habilitation à diriger des recherches, l'Université Toulouse - Jean Jaurès, December 2016.
2. Dr. Stefan Sobernig, *Variability design and implementation for domain-specific software languages*, post-doctoral qualification leading to the award of a "venia docendi", Vienna University of Economics and Business, Austria, September 2018.

3.8 Examiner in PhD Committees

1. Robert Deckers, *MuDForM: Multi-Domain Formalization Method*, VU Amsterdam, 2024 (reading and defence committee).

2. Jan Schroeder, *Understanding, Measuring, and Evaluating Maintainability of Automotive Software*, University of Gothenburg, Sweden, 4th September 2020 (opponent).
3. Fahimeh Alizadeh Moghaddam, *Self-Adaptation for Energy Efficiency in Software Systems*, University of Amsterdam, 17th April 2019 (reading and defence committee).
4. Torvald Martinsson, *Continuous Integration and Delivery Applied to Large-Scale Software-Intensive Embedded Systems*, University of Groningen, 8th April 2019 (reading and defence committee).
5. Milena Guessi Margarido, *Synthesis of software architectures for systems-of-systems: an automated method by constraint solving*, University of Sao Paulo, Brazil, 27th September 2017 (defence committee).
6. John R. Klein, *Architecture Practices for Complex Contexts*, VU Amsterdam, 26th September 2017 (reading and defence committee).
7. Ayalew Kassahun, *Aligning Business Processes and IT of Multiple Collaborating Organizations*, Wageningen University, 20th June 2017 (reading and defence committee).
8. Daniel Ståhl, *Large Scale Continuous Integration and Delivery*, University of Groningen, 10th March 2017 (reading and defence committee).
9. George A. Sielis, *Context-aware Recommendation-based Educational Tool for enhancing the High Level Software Modelling Process with Design Patterns*, University of Cyprus, 17th November 2016, (reading and defence committee).
10. Srdjan Stevanetic, *Supporting the Understandability of Architectural Component Models using Software Metrics*, University of Vienna, Austria, 27th October 2016 (external reviewer, examiner).
11. Grace A. Lewis, *Software Architecture Strategies for Cyber-Foraging Systems*, VU Amsterdam, 7th June 2016 (reading and defence committee).
12. Silverio Martínez, *Gathering Empirical Evidence and Building a Business Case of Software Reference Architectures in Industry*, Universitat Politècnica de Catalunya, June 2016 (external reviewer).
13. Antonio Martini, *Ambidexterity in Large-Scale Software Engineering*, Chalmers University of Technology, 27th November 2015 (faculty opponent).
14. Leo Pruijt, *Instruments to Evaluate and Improve IT Architecture Work*, University of Utrecht, 25th November 2015 (reading and defence committee).
15. Herman Hartmann, *Software Product Line Engineering for Consumer Electronics*, University of Groningen, 9th October 2015 (reading and defence committee).
16. Klaas Andries de Graaf, *Ontology-based Software Architecture Documentation*, VU Amsterdam, 11th May 2015 (reading and defence committee).
17. Jaap Kabbedijk, *Variability Patterns for Multi-Tenant Enterprise Software*, University of Utrecht, 23rd December 2014, (reading and defence committee).
18. Ramin Etemaadi, *Quality-driven Multi-objective Optimization of Software Architecture Design: Method, Tool, and Application*, Leiden University, 11th December 2014 (reading and defence committee).

19. Bertjan Broeksema, *The Decision Exploration Lab - Supporting the business analyst in understanding automated decisions*, University of Groningen, 3rd March 2014 (defence committee).
20. Ehsan Ullah Warriach, *Design and Implementation of a Middleware Platform for a Smart Home*, November 25th 2013 (defence committee).
21. Yannis Lilis, *Integrated Metaprogramming Systems: Language, Tools and Practices*, University of Crete, Greece, 2013 (defence committee).
22. Werner Heijstek, *Architecture Design in Global and Model-Centric Software Development*, Leiden University, 5th December 2012 (reading and defence committee).
23. Viktor Clerc, *Architectural Knowledge Management in Global Software Development*, VU Amsterdam, 13th December 2011 (reading and defence committee).
24. Arda Göknil, *Traceability of Requirements and Software Architecture for Change Management*, University of Twente, 7th October 2011 (reading and defence committee).
25. George Byelas, *Visualization of Metrics and Areas of Interest on Software Architecture Diagrams*, University of Groningen, 29th January 2010 (defence committee).
26. Sari Vesiluoma, *Understanding and Supporting Knowledge Sharing in Software Engineering*, Tampere University of Technology, Tampere, Finland, 27th November 2009 (reading and defence committee).
27. Nuno Honório Rodrigues Flores, *Patterns and Tools for improving Framework Understanding: a Collaborative Approach*, University of Porto, Portugal, November 2009 (advisory committee)
28. Ronald van den Berg, *Perceptual Interactions in Human Vision and Implications for Information Visualization*, University of Groningen, 16th October 2009 (defence committee).
29. Rik Farenhorst and Remco de Boer, *Architectural Knowledge Management – Supporting Architects and Auditors*, VU Amsterdam, 5th October 2009 (defence committee)
30. Nelis Boucké, *Composition and relations of architectural models supported by an architectural description language*, Katholieke Universiteit Leuven, Belgium, September 2009 (defence committee)
31. Giuseppe Papari, *Texture vs. Contours Explorations in the Fields of Contour Detection and Artistic Imaging*, 8th May 2009 (defence committee)
32. Ernst Kessler, *Safety is no accident – Contributions to achieving certifiable safe software*, 19th September 2008 (defence committee)
33. Anton Jansen, *Architectural design decisions*, University of Groningen, 19th September 2008 (defence committee)
34. Sybren Deelstra and Marco Sinnema, *Managing the Complexity of Variability in Software Product Families*, University of Groningen, 9th May 2008 (defence committee)

3.9 Reviewer for research funding

1. List of experts in national funding agencies
 - a. List of Referees of the Czech Science Foundation, 2012-present.

- b. List of Referees of the Italian Ministry for Education University and Research (MIUR) for the evaluation of research projects, 2012-present.
 - c. Register of External Experts, Hellenic Quality Assurance Agency for Higher Education (HQAA), 2010-present.
2. Evaluation committees for research programs
- a. Veni grant assessment committee (NWO) 2017.
 - b. Evaluation committee of the Program Free Competition, Council for Physical Sciences of the Netherlands Organisation for Scientific Research (NWO), 2012.
3. Reviewer for research programmes
- a. The Knowledge Foundation, Sweden, 2017 and 2021.
 - b. Fonds de recherche du Québec, 2014.
 - c. FONDECYT, a research funding program from the National Commission for Scientific and Technological Research, Chile, 2013.
 - d. Open technologieprogramma STW, Dutch Technology Foundation STW, 2013.
 - e. Basic research program, department of physical sciences, Czech Science Foundation, 2013.
 - f. China Exchange Program, Royal Netherlands Academy of Arts and Sciences (KNAW), 2012.
 - g. Program PRIN 2010-2011, MIUR (Italian Ministry for Education, University and Research), 2012.
 - h. Basic research program, department of physical sciences, Czech Science Foundation, 2012.
 - i. Program *Investment Subsidy*, Council for Physical Sciences of the Netherlands Organisation for Scientific Research (NWO), 2011.
 - j. Research Council K.U.Leuven, 2011.
 - k. Research Foundation Flanders (FWO), Informatics and Knowledge Technology (W&T5) 2011.
 - l. Basic Research Funding Program of the Athens University of Economics and Business, Greece, 2009.
 - m. Council of Physical Sciences of the Netherlands Organization for Scientific Research (NWO) Open Competition 2005.

3.10 Invitations for talks and discussion panels

1. Invited talk, *Technical Debt Management - The Road Ahead for Successful Software Delivery*, 7th International Conference on Technical Debt 2024 (Tech Debt 2024), Lisbon, Portugal, 14 - 15 April 2024.
2. Invited talk, *Technical Debt: are we there yet?*, Future of Software Engineering, 45th International Conference on Software Engineering (ICSE 2023), Melbourne, Australia, 14-20 May 2023.
3. Keynote speech, *Making Decisions – From Software Architecture Theory to Practice*, 20th IEEE International Conference on Software Architecture (ICSA 2023), 13-17 March 2023, L'Aquila, Italy.
4. Keynote speech, *Technical Debt: Risk or Opportunity?*, 9th ELLIIT workshop, Karlskrona, Sweden, Oct 15-16, 2019.
5. Keynote speech, *Technical Debt: talking about the elephant in the room*, Spanish National Conference on Software Engineering and Databases, Cáceres, Spain, 2-4 September 2019.
6. Keynote speech, *Why You Should Care About Technical Debt (More Than You Think)*, The 18th IEEE International Conference on Software Quality, Reliability, and Security (QRS), Lisbon, Portugal, July 16-20 2018.
7. Keynote speech, *Industrial-strength architecture design decisions*, Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2017), 30 August - 1 September 2017, Vienna, Austria.
8. Keynote speech, *Technical Debt - From Financial Metaphor to Daily Practice?*, 12th International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE 2017), Porto, Portugal, 28-29 April 2017.
9. Invited talk, *The Future of Architecture Technical Debt Management*, Anniversary Session on the Future of Software Architecture, 10th European Conference on Software Architecture, Copenhagen, 2nd December 2016.
10. Invited talk, *An outlook on Technical Debt Management*, at the 49th CREST Open Workshop - Software Architecture and Technical Debt, London, UK, 28-29 November 2016.
11. Invited colloquium, *Making architecture design decisions in practice*, University of Hamburg, Germany, 10th October 2016.
12. Invited talk, *Decision Architect*, CGI Architecture Event, Rotterdam, the Netherlands, 29th September 2016.
13. Discussion panel on *Integrating Data Analytics in Enterprise Modeling and Software Development*, at the International Symposium on Business Modeling and Software Design, Rhodos island, Greece, 20th June 2016.
14. Keynote speech, *Technical Debt: How Software Organizations Can Stay Solvent*, International Symposium on Business Modeling and Software Design, Rhodos island, Greece, 20th June 2016.
15. Invited talk, *Design patterns demystified*, Università Milano Bicocca, Italy, 29th January 2016.
16. Invited talk, *Are patterns good for you? On the effect of GOF patterns on stability*, Chalmers University of Technology, Gothenburg, Sweden, 27th November 2015.

17. Invited talk, *The fine-print of using patterns*, University of Utrecht, the Netherlands, 25th November 2015.
18. Invited talk at the Dutch national symposium on software engineering (SEN), *Technical Debt: looking for new solutions for an old problem*, Amsterdam, December 3rd, 2014.
19. Invited talk, *Evaluating Software Architecture - Lightweight and Decision-Centric*, University of Sao Paulo, Brazil, October 3rd, 2014.
20. Keynote speech at the 8th Brazilian Symposium on Software Components, Architectures and Reuse (SBCARS 2014), Maceio, September 28- October 3, 2014.
21. Keynote speech at the 7th European Conference on Software Architecture (ECSA 2013) Montpellier, France, July 1-5, 2013.
22. Invited talk and participation at the IFIP Working Group 2.10 on Software Architecture, Helsinki, 18-19 August 2012.
23. Invited talk on *E-government – what is it and how does it work?*, workshop on the future of the internet, Academy Noord, Groningen, 24th May 2012.
24. Invited talk on *Architecture Decision Viewpoints: Metamodels and Empirical Validation*, IPA Spring Days on Model-Driven Software Engineering (16-20 April 2012), Garderen.
25. Invited talk on *Architecting - A rational design process and how to support it*, colloquium at Chalmers University of Technology, Gothenburg, Sweden, 14th March 2012.
26. Invited talk on *Architecture Viewpoints - Keeping Stakeholders Happy*, workshop on Alignment of Requirements and Software Architecture, University of Twente, 6th October 2011.
27. Invited lecturer on *Practical Software Architecting* at the INFORTE program for ICT professionals, April 13-14 2011, Helsinki, Finland.
28. Keynote speech on *Architecture knowledge management*, at the SoSE seminar of the Finnish graduate school for Software Engineering, 22-25 March 2010, Saariselkä, Finland.
29. Invited talk on *Execution Architecture Viewpoints*, Multi-Actor Systems colloquium, T.U. Delft Leuven, 12th March 2010.
30. Invited talk on *Execution viewpoints in an industrial context*, Colloquium on Software Architecture, K.U. Leuven, 11th September 2009.
31. Invited talk on *A Pattern-driven Approach against Architectural Knowledge Vaporization*, Software Engineering Radio, episode 146, (<http://www.se-radio.net/>), July 2009.
32. Discussion Panelist on *Services in e-Government*, 18th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE), June 29 - July 1, 2009, Groningen, The Netherlands.
33. Discussion Panelist on *SOA Pattern Languages*, Dagstuhl seminar 09021 on Software Service Engineering, 4-7 Jan 2009, Dagstuhl, Germany.
34. Invited talk on *Architecture Knowledge and Patterns*, Philips Healthcare, Darwin project, December 2008, Best, the Netherlands.
35. Invited talk on *Architectural traceability*, ASML, June 2008, Veldhoven, the Netherlands.

36. Invited talk on *2 Case Studies on Evaluating Tools for Architectural Knowledge*, at the Workshop on Empirical Assessment in Software Architecture (EASA 08), 18 February 2008, Vancouver, Canada.
37. Invited seminar on *Sharing and reusing architecture knowledge*, Graduate School TrustSoft, University of Oldenburg, 23th October 2007, Oldenburg, Germany.
38. Invited talk on *Architecting industrial software-intensive systems*, Neopost Technologies, 11th September 2007, Drachten, the Netherlands.
39. Invited talk on *Tool Support for Architecture Knowledge*, Track for the Jacquard Program, Landelijk Architectuur Congres, 22 November 2006, Utrecht, the Netherlands.
40. Invited talk on *Architecture-driven evolution*, ERCIM Working Group on Rapid Integration of Software Engineering, VTT, May 30th 2005, Helsinki, Finland.
41. Invited talk on *Architectural Patterns for Collaborative Applications*, Fraunhofer IPSI colloquium, 25th May 2005, Darmstadt, Germany.
42. Invited talk on *Modeling Architectural Patterns*, Computing Science dept. of the Open University, 21 March 2005, Milton Keynes, UK.
43. Invited talk on *Documenting and Instantiating Architectures of Software systems*, University of Luxembourg, 18th July 2004, Luxembourg.
44. Invited talk on *Resolving architectural mismatches of COTS through architectural reconciliation*, Centre de Recherche Public Henri Tudor, June 2004, Luxembourg.

3.11 Scientific reviews

1. Reviewer for the following journals:
 - a. Transactions on Software Engineering and Methodology – TOSEM (ACM)
 - b. Communications of the ACM – CACM (ACM)
 - c. Transactions on Software Engineering – TSE (IEEE)
 - d. IEEE Software (IEEE)
 - e. IT Professional (IEEE)
 - f. Journal of Systems and Software – JSS (Elsevier)
 - g. Information and Software Technology - IST (Elsevier)
 - h. Software: Practice and Experience – SP&E (Elsevier)
 - i. Computers in Industry (Elsevier)
 - j. Engineering Applications of Artificial Intelligence (Elsevier)
 - k. Science of Computer Programming – SCP (Elsevier)
 - l. Transactions on Pattern Languages of Programming – TPLoP (Springer)

- m. Empirical Software Engineering – EMSE (Springer)
- n. Requirements Engineering Journal - REJ (Springer)
- o. Software and Systems Modeling - SoSyM (Springer)
- p. Software Quality Journal (Springer)
- q. Journal of Software: Evolution and Process – JSEP (Wiley)
- r. Expert Systems (Wiley)
- s. Future Generation Computer Systems – FGCS (Elsevier)
- t. The Computer Journal (Oxford University Press)
- u. International Journal of Software Engineering and Knowledge Engineering –IJSEKE (World Scientific)
- v. Journal of Universal Computer Science - JUCS

2. Reviewer for the following books:

- a. I. Mistrik, N. Ali, R. Kazman, J. Grundy, B. Schmerl (eds.), *Managing Trade-offs in Adaptable Software Architectures*, Morgan Kaufmann, 2016.
- b. I. Mistrik, R. Soley, J. Grundy, B. Tekinerdogan, and N. Ali (eds.), *Software Quality Assurance*, Morgan Kaufmann, 2015.
- c. I. Mistrik, R. Bahsoon, Y. Zhang, K. Sullivan, R. Kazman (eds.), *Economics-Driven Software Architecture*, Elsevier, 2013
- d. I. Mistrik, P. Eeles, R. Bahsoon, M. Stal, *System Quality and Software Architecture (SQSA)*, Elsevier, 2013.
- e. I. Mistrik, M. Ali Babar, K. Koskimies, *Agile Software Architectures*, Elsevier, 2013.
- f. Peter Goodyear & Simos Retalis (Eds.), *E-learning, Design Patterns, and Pattern Languages*, Technology-Enhanced Learning book series, Sense Publishers, 2010.
- g. Antonio Casimiro, Rogério de Lemos, Cristina Gacek (Eds.), *Architecting Dependable Systems 7*, Springer LNCS, 2010.
- h. Rogério de Lemos, Jean-Charles Fabre, Cristina Gacek, Fabio Gadducci, Maurice ter Beek (Eds.), *Architecting Dependable Systems 6*, Springer LNCS, 2009.
- i. Three book proposals (2008, 2009, 2011) on the Software Patterns series, John Wiley & Sons Ltd.
- j. Rogério de Lemos, Felicita Di Giandomenico, Cristina Gacek, Henry Muccini, Marlon Vieira (Eds.), *Architecting Dependable Systems 5*, Springer LNCS, 2008.

3. Reviewer of software patterns

- a. Coach of authors of software patterns (‘shepherd’) for the European Pattern Languages of Programming (EuroPLOP), Irsee, Germany, 2006-present.

3.12 Academic Services

Sep 2023 – present	Scientific Director, Engineering Doctorate on Autonomous Systems, University of Groningen.
July 2020 – May 2025	Member of the Committee for Evaluation of Associate Professors to Full Professors, Faculty of Science and Engineering, University of Groningen.
June 2018 – May 2024	Board of the Bernoulli Institute for Mathematics, Computer Science and Artificial Intelligence, University of Groningen (vice-chair since June 2020)
June 2018 – May 2020	Head of the department for Computer Science
Jan. 2017 – May 2018	Board of the Johann Bernoulli Institute for Mathematics and Computer Science, University of Groningen
Feb. 2016 - 2018	Valorisation committee, Faculty of Science and Engineering, University of Groningen.
Sep. 2013 – 2019	Executive Committee for the Double degree master’s program in Software Engineering between University of Groningen and the University Politecnica of Bucharest.
Sep. 2012 – Present	Chair of the <i>Program Committee</i> (since Feb. 2018, formerly member), Computer Science, University of Groningen.
Mar. 2010 – 2019	Coordinator of the Business Computing track of the B.Sc. in Computer Science, University of Groningen.
Feb. 2009 – Present	<i>Management Team Computer Science</i> , University of Groningen, coordinator February 2015 – June 2020.
Sep. 2007 – Present	Coordinator of Public Relations (voorlichting) for the Hanze Hogeschool (Hanze University of Applied Sciences)
Nov. 2006 – Present	Coordinator of the M.Sc. track on Software Engineering and Distributed Systems
Nov. 2006 – Present	Chair of the Software Engineering and Architecture Research group. The group is currently comprised of 16 Ph.D. students, 1 part-time lecturer (0.3 fte), 1 full professor, 1 associate professor, 2 tenure-track assistant professor 2 honorary professors (Tijs van der Storm and Michael Stal).
Nov. 2006 – Sep. 2017	Member of the <i>Curriculum Committee</i> , Computer Science, University of Groningen.
Nov. 2006 – Sep. 2012	Secretary of the <i>Board of Examiners (examencommissie)</i> and the <i>Board of Admissions (toelatingscommissie)</i> , Computer Science, University of Groningen.
Sep. 2005 – Dec. 2006	Member of the <i>Computer Policy Committee</i> (Computerbeleidscommissie), Computer Science, University of Groningen.

4 Research

4.1 Grant Support

1. **MAST - Managing Sustainability Tradeoffs**, funded with 2 Ph.D. positions by the ITEA4 program (1-1-2025 – 31-12-2027). In a consortium of 3 universities and 5 companies I am Coordinator and Principal Investigator for the whole project.
2. **Technologisch Ontwerpers voor Noordelijke Industriële Clusters (TONIC)**, funded with 3,972M€ for the development of Engineering Doctorate Programs by the SNN Just Transition Fund (1-10-2023-30-9-2027). A collaboration between the Faculty of Science and Engineering at the University of Groningen and the Innovatiecluster Drachten and Sustainable Products and Chemicals Cluster.
3. **VISDOM - Visual diagnosis for DevOps software development**, funded with 1 Ph.D. and 1 postdoc position by the ITEA3 program (1-10-2018-30-6-2022). In a consortium of 3 universities and 13 companies I am co-applicant and the RUG principal investigator supervising Yikun Li and Mohamed Soliman.
4. **Software Architectural Technical Debt Management Based on Traceability of Multi-artifacts**, funded by the China National Science Foundation (1/1/2018 - 31/12/2020). I am co-Principal Investigator together with Zengyang Li (Wuhan University).
5. **SDK4ED - Software Development toolKit for Energy optimization and technical Debt elimination**, funded with 1 PhD position from H2020-ICT-2017-1 (1/1/2018 – 31/12/2020). I am co-applicant and the RUG principal investigator.
6. **QDSA - Quality-driven Software Architecture**. (1/8/2013-1/8/2017). I am principal investigator (co-) supervising Elvira Maria Arvanitou and Areti Ampatzoglou, in collaboration with the University of Macedonia, Greece (prof. Chatzigeorgiou). Both Arvanitou and Ampatzoglou are funded by a third-party source.
7. **PROMES - Process Models for Engineering of Embedded Systems**, funded with 2 Ph.D. positions by the ITEA2 program (1/2/2013-1/2/2016). In a consortium of 2 research institutes and 3 companies I am co-applicant and the RUG principal investigator supervising Christian Manteuffel and Sofia Charalampidou.
8. **TSDAD - Tool Support for Documenting Architecture Decisions**, funded with a lump sum by the ABB Research Grant Program 2012 (1/2/2013-30/11/2013). In collaboration with ABB, I am the sole applicant and principal investigator supervising Dan Tofan and 2 M.Sc. students.
9. **ESECES - Empirical Software Engineering for Critical Embedded Systems**, funded with 4 person-years of mobility for Ph.D. students and 4 person-years of mobility for postdocs by the NUFFIC-CAPES program in Brazil and the Netherlands (1/9/2012-1/9/2016). I am the sole applicant and principal investigator, in collaboration with the University of Sao Paulo (prof. Nakagawa and Maldonado). In both ACES and ESECES I am (co-)supervising 3 Ph.D. students (Daniel Feitosa, Lina María Garcés Rodríguez, Edilson José Davoglio Candido), and 3 postdocs (Katia Romero Felizardo, Vinícius Durelli, Frank J. Affonso).

10. **ACES - Architecting Critical Embedded Systems**, funded with 3 person-years of mobility for Ph.D. students, 2 person-years of mobility for postdocs and 6 months of mobility for myself, by the Special Visiting Researcher grant program of the Science Without Borders program of CNPq and CAPES Brazil - (1/6/2012-1/6/2015). I am the sole applicant and principal investigator, in collaboration with the University of Sao Paulo (prof. Nakagawa and Maldonado).
11. **STAND - Semantic-enabled collaboration Towards Analysis, Negotiation and Documentation on distributed requirements engineering**, funded with 1 Ph.D. position by the AFR program of Fonds National de la Recherche - Luxembourg (15/1/2011-15/1/2015). I am the sole applicant and principal investigator supervising Zengyang Li, in collaboration with the University of Luxembourg (prof. Guelfi).
12. **STAND-China**, funded with a lump sum by the Scholarship for International Young Scientists grant program of the Natural Science Foundation of China (01/01/2010 - 31/12/2010). I was the sole applicant and principal investigator in collaboration with the State Key Lab of Software Engineering (SKLSE), Wuhan University (prof. Liang).
13. **LITEAK - Leveraging the Interplay of Tacit and Explicit Architectural Knowledge**, funded with 1 bursary Ph.D. position by the Ubbo-Emmius program of the Faculty of Mathematics and Natural Sciences, University of Groningen (1/10/2009- 1/10/2013). I am principal investigator supervising Dan Tofan.
14. **SAS-LEG - Software As Service for the varying needs of Local EGovernments**, funded with 3 research positions (550k€) by the JACQUARD program of NWO, the Netherlands (1/6/2008 - 1/6/2012). In a consortium of 3 RUG research groups and 1 company, I was co-applicant and principal investigator for the Software Engineering group, supervising 1 postdoc, Matthias Galster.
15. **APDH - Architecture Pattern Design Handbook**, funded with 2 bursary Ph.D. positions by the Faculty of Mathematics and Natural Sciences, University of Groningen, as part of my tenure-track start-up grant (1/5/2006 - 1/5/2010). I was principal investigator, supervising Neil Harrison, Ahmad Kamal and Uwe van Heesch. Mr. van Heesch was funded by a third-party source.
16. **Darwin**, funded with 1 Ph.D. position by the Bsik program of SenterNovem, the Netherlands (1/10/2005 – 1/10/2009). In a consortium of 7 research institutes and 1 company, I was the RUG principal investigator, supervising Trosky Callo.
17. **HEFBOOM**, funded with 1 postdoc position by the Hefboom program of NWO, the Netherlands (1/8/2005 – 1/8/2009). I was the principal investigator, supervising Peng Liang.
18. **GRIFFIN - a GRId For inFormatIoN about architectural knowledge**, funded with 1 postdoc position by the JACQUARD program of NWO, the Netherlands (1/5/2005- 1/5/2009). In a consortium of 2 universities and 4 companies, I was the RUG principal investigator, supervising Anton Jansen.
19. **DIAS - Documenting and Instantiating Architectures of Software systems**, funded with 1 postdoc position by National Research Fund (Fonds National de la Recherche - Luxembourg) and Fraunhofer IPSI (Germany) in the context of the ERCIM Fellowship program (5/1/2004- 4/7/2005). I was the sole applicant and principal investigator (this was my own postdoc grant).

4.2 Publications

h-index: 50 (source: Google Scholar, April 2023)

Information about my publications can also be found online:

1. Personal Home Page - http://www.cs.rug.nl/~paris/?page_id=4 (all publications available)
2. DBLP - <https://dblp.uni-trier.de/pid/30/3651.html>
3. ACM DL - <https://dl.acm.org/profile/81100491268>
4. Google Scholar - <http://scholar.google.com/citations?user=OIYdiYMAAAAJ>

4.2.1 Books

- B1. D. Mendez, P. Avgeriou, M. Kalinowski, N. bin Ali, *Handbook on Teaching Empirical Software Engineering*, Springer-Verlag, 2024.
- B2. P. Avgeriou, J. Grundy, J.G. Hall, P. Lago, I. Mistrík, *Relating Software Requirements and Architectures*, Springer-Verlag, ISBN 978-3-642-21000-6, 1st Edition, 430 p., August 2011. <http://dx.doi.org/10.1007/978-3-642-21001-3>.

4.2.2 Journals

- J1. D. Weyns, S. Hezavehi, P. Avgeriou, R. Calinescu, R. Mirandola, D. Perez-Palacin, *An Architectural Viewpoint for Benefit-Cost-Risk-Aware Decision-Making in Self-Adaptive Systems*, ACM Trans. Auton. Adapt. Syst. 20, 1, Article 2 (March 2025),
- J2. D. Russo et al., *Generative AI in Software Engineering Must Be Human-Centered: The Copenhagen Manifesto*, Journal of Systems and Software, 216, 2024.
- J3. M. Siavvas, D. Tsoukalas, C. Marantos, L. Papadopoulos, C. Lamprakos, O. Matei, C. Strydis, M. Ali Siddiqi, P. Chrobocinski, K. Filus, J. Domańska, P. Avgeriou, A. Ampatzoglou, D. Soudris, A. Chatzigeorgiou, E. Gelenbe, D. Kehagias, D. Tzovaras. *SDK4ED: a platform for building energy efficient, dependable, and maintainable embedded software*, Automated Software Engineering, 31, 2, Nov. 2024.
- J4. J. Biazotto, D. Feitosa, P. Avgeriou, E. Nakagawa, *Technical debt management automation: State of the art and future perspectives*. Information and Software Technology, 167, C, Mar 2024.
- J5. R. Li, P. Liang, P. Avgeriou, *Warnings: Violation symptoms indicating architecture erosion*, Information and Software Technology, 164, C, Dec. 2023.
- J6. D. Sas and P. Avgeriou, *An Architectural Technical Debt Index Based on Machine Learning and Architectural Smells*, in IEEE Transactions on Software Engineering, vol. 49, no. 8, pp. 4169-4195, Aug. 2023.
- J7. H. Cadavid, V. Andrikopoulos, P. Avgeriou, *Improving hardware/software interface management in systems of systems through documentation as code*, Empirical Software Engineering, 28, 4, Jul 2023.
- J8. Y. Li, M. Soliman, P. Avgeriou, L. Somers, *Self-Admitted Technical Debt in the Embedded Systems Industry: An Exploratory Case Study*, IEEE Transactions on Software Engineering, vol. 49, no. 4, pp. 2545-2565, 1 April 2023.
- J9. J. Tan, D. Feitosa, P. Avgeriou, *The Lifecycle of Technical Debt that Manifests in both Source Code and Issue Trackers*, Information and Software Technology, 2023.

- J10. Y. Li, M. Soliman, P. Avgeriou, *Automatic Identification of Self-Admitted Technical Debt from Four Different Sources*, Empirical Software Engineering, Springer, 28, 65, April 2023.
- J11. Y. Li, M. Soliman, P. Avgeriou, *Identifying self-admitted technical debt in issue tracking systems using machine learning*, Empirical Software Engineering, Volume 27, Issue 6, Nov 2022.
- J12. H. Cadavid, V. Andrikopoulos, P. Avgeriou, C. Broekema, *System and software architecting harmonization practices in ultra-large-scale systems of systems: A confirmatory case study*, Information and Software Technology, Volume 150, Issue C, Oct 2022
- J13. D. Sas, P. Avgeriou, U. Uyumaz, *On the evolution and impact of architectural smells—an industrial case study*, Empirical Software Engineering, Volume 27, Issue 4, Jul 2022.
- J14. E. Arvanitou, A. Ampatzoglou, A. Chatzigeorgiou, P. Avgeriou, N. Tsiridis, *A metric for quantifying the ripple effects among requirements*, Software Quality Journal, Volume 30, Issue 3, Sep 2022, pp 853-883.
- J15. R. Li, P. Liang, M. Soliman, P. Avgeriou, *Understanding software architecture erosion: A systematic mapping study*, Journal of Software: Evolution and Process, Vol. 34, Issue3, March 2022.
- J16. J. Tan, D. Feitosa, P. Avgeriou, *Does it matter who pays back Technical Debt? An empirical study of self-fixed TD*, Information and Software Technology, Volume 143, March 2022.
- J17. T. Theunissen, U. van Heesch, P. Avgeriou, *A Mapping Study on Documentation in Continuous Software Development*, Information and Software Technology, Volume 142, Feb. 2022.
- J18. D. Sas, P. Avgeriou, I. Pigazzini, F. Arcelli, *On the relation between architectural smells and source code changes*, Journal of Software: Evolution and Process, Volume 34, Issue 1, Jan. 2022.
- J19. S. Hezavehi, D. Weyns, P. Avgeriou, R. Calinescu, R. Mirandola, D. Perez-Palacin, *Uncertainty in Self-Adaptive Systems: A Research Community Perspective*, ACM Transactions on Autonomous and Adaptive Systems, Vol. 15, No. 4, Article 10, Dec. 2021.
- J20. G. Digkas, A. N. Chatzigeorgiou, A. Ampatzoglou and P. Avgeriou, *The Temporality of Technical Debt Introduction on New Code and Confounding Factors*, Software Quality Journal, Nov. 2021.
- J21. D. Sas, I. Pigazzini, P. Avgeriou, F. Arcelli, *The perception of Architectural Smells in industrial practice*, IEEE Software, Volume: 38, Issue: 6, 2021.
- J22. M. Soliman, P. Avgeriou, Y. Li, *Architectural design decisions that incur technical debt — An industrial case study*, Information and Software Technology, Volume 139, 2021.
- J23. G. Digkas, A. N. Chatzigeorgiou, A. Ampatzoglou and P. Avgeriou, *Can Clean New Code reduce Technical Debt Density*, in IEEE Transactions on Software Engineering, 2022, Vol. 48, Issue 5.
- J24. P. Avgeriou *et al.*, "An Overview and Comparison of Technical Debt Measurement Tools," in *IEEE Software*, vol. 38, no. 3, pp. 61-71, May-June 2021, doi: 10.1109/MS.2020.3024958.
- J25. J. Tan, D. Feitosa, P. Avgeriou, M. Lungu, *Evolution of technical debt remediation in Python: A case study on the Apache Software Ecosystem*, Journal Of Software: Evolution And Process, Volume 33, Issue 4, April 2021.
- J26. Ar. Ampatzoglou, E. Arvanitou, Ap. Ampatzoglou, P. Avgeriou, A. Tsintzira, A. Chatzigeorgiou, *Architectural decision-making as a financial investment: An industrial case study*, Information and Software Technology, Volume 129, 2021.
- J27. G. Digkas, A. Ampatzoglou, A. Chatzigeorgiou, P. Avgeriou, O. Matei, R. Heb. *The Risk of Generating Technical Debt Interest: A Case Study*, SN Computer Science 2, 12 (2021).

- J28. D. Sas, P. Avgeriou, R. Kruijinga, R. Scheedler, *Exploring the Relation Between Co-changes and Architectural Smells*, SN Computer Science, 2, 13 (2021).
- J29. Ar. Ampatzoglou, N. Mittas, A. Tsintzira, Ap. Ampatzoglou, E. Arvanitou, A. Chatzigeorgiou, P. Avgeriou, L. Angelis, *Exploring the Relation between Technical Debt Principal and Interest: An Empirical Approach*, Information and Software Technology, Volume 128, 2020
- J30. S. Charalampidou, A. Ampatzoglou, E. Karountzos, P. Avgeriou, *Empirical Studies on Software Traceability: A Mapping Study*, Journal of Software: Evolution and Process, Journal of Software: Evolution and Process, Vol. 33, Issue 2, February 2021, pp. e2294.
- J31. D. Spinellis, P. Avgeriou, *Evolution of the Unix System Architecture: An Exploratory Case Study*, IEEE Transactions on Software Engineering, vol. 47, no. 6, pp. 1134-1163, 1 June 2021, doi: 10.1109/TSE.2019.2892149.
- J32. I. Zozas, A. Ampatzoglou, S. Bibi, A. Chatzigeorgiou, P. Avgeriou, I. Stamelos, REI: An integrated measure for software reusability, Journal of Software: Evolution and Process, Vol. 31, Issue 8, Aug. 2019.
- J33. H. Cadavid, V. Andrikopoulos, P. Avgeriou, *Architecting systems of systems: A tertiary study*, Information and Software Technology, Volume 118, February 2020,
- J34. D. Sas, P. Avgeriou, *Quality attribute trade-offs in the embedded systems industry: an exploratory case study*, Software Quality Journal, Dec. 2019.
- J35. A. Ampatzoglou, S. Bibi, P. Avgeriou, M. Verbeek, A. Chatzigeorgiou, *Identifying, categorizing and mitigating threats to validity in software engineering secondary studies*, Information and Software Technology, Volume 106, 2019, Pages 201-230,
- J36. D. Feitosa, A. Ampatzoglou, P. Avgeriou, A. Chatzigeorgiou, E. Nakagawa, *What can violations of good practices tell about the relationship between GoF patterns and run-time quality attributes?*, Information and Software Technology, Volume 105, January 2019, Pages 1-16.
- J37. C. Yang, P. Liang, P. Avgeriou, *Evaluation of a process for architectural assumption management in software development*, Science of Computer Programming, Volume 168, 2018, Pages 38-70, ISSN 0167-6423, <https://doi.org/10.1016/j.scico.2018.08.002>.
- J38. D. Feitosa, A. Ampatzoglou, P. Avgeriou, E. Nakagawa, *Correlating Pattern Grime and Quality Attributes*, IEEE Access, 2018 , Volume: 6, Pages: 23065 – 23078
- J39. C. Manteuffel, P. Avgeriou, R. Hamberg, *An exploratory case study on reusing architecture decisions in software-intensive system projects*, Journal of Systems and Software, Volume 144, 2018, Pages 60-83, ISSN 0164-1212, <https://doi.org/10.1016/j.jss.2018.05.064>.
- J40. C. Yang, P. Liang, P. Avgeriou, *Assumptions and Their Management in Software Development: A Systematic Mapping Study*, Information and Software Technology, Elsevier, Volume 94, Issue C, February 2018, Pages 82-110.
- J41. D. Feitosa, R. Alders, A. Ampatzoglou, **P. Avgeriou**, E. Nakagawa, *Investigating the effect of design patterns on energy consumption*, Journal of Software: Evolution and Process, Wiley, Volume 29, Issue 2, February 2017.
- J42. C. Yang, P. Liang, P. Avgeriou, U. Eliasson, R. Heldal, P. Pelliccione, T. Bi, *An industrial case study on an Architectural Assumption Documentation Framework*, Journal of Systems and Software, Elsevier, Volume 134 Issue C, December 2017, Pages 190-210.
- J43. S. Mahdavi-Hezavehi, V. Durelli, D. Weyns, P. Avgeriou, *A systematic literature review on methods that handle multiple quality attributes in architecture-based self-adaptive systems*, Information and Software Technology, Volume 90, 2017, Pages 1-26, ISSN 0950-5849.

- J44. E. Arvanitou, A. Ampatzoglou, A. Chatzigeorgiou, M. Galster, **P. Avgeriou**, *A Mapping Study on Design-Time Quality Attributes and Metrics*, Journal of Systems and Software, Elsevier, Volume 127, Issue C, May 2017, Pages 52-77.
- J45. S. Charalampidou, A. Ampatzoglou, A. Chatzigeorgiou, A. Gkortzis, **P. Avgeriou**, *Identifying Extract Method Refactoring Opportunities based on Functional Relevance*, IEEE Transactions on Software Engineering, Year: 2017, Volume: 43, Issue: 10, Pages: 954 - 974.
- J46. L. Garcés, A. Ampatzoglou, **P. Avgeriou**, E. Nakagawaa, *Quality attributes and quality models for ambient assisted living software systems: A systematic mapping*, Information and Software Technology, Volume 82, February 2017, Pages 121–138.
- J47. U. van Heesch, A. Jansen, H. Pei-Breivold, **P. Avgeriou**, C. Manteuffel, *Platform design space exploration using architecture decision viewpoints—A longitudinal study*, Journal of Systems and Software, Volume 124, February 2017, Pages 56–81
- J48. E. Arvanitou, A. Ampatzoglou, A. Chatzigeorgiou, **P. Avgeriou**, *Software Metrics Fluctuation: A Property for Assisting the Metric Selection Process*, Information and Software Technology, Elsevier, Volume 72, 2016, Pages 110-124.
- J49. D. Tofan, M. Galster, I. Lytra, **P. Avgeriou**, U. Zdun, M. Fouche, R. de Boer, F. Solms, *Empirical Evaluation of a Process to Increase Consensus in Group Architectural Decision Making*, Information and Software Technology, Elsevier, Volume 72, 2016, Pages 31–47.
- J50. R. Capilla, A. Jansen, A. Tang, **P. Avgeriou**, M. Ali Babar, *10 years of Software Architecture Knowledge Management: Practice and Future*, Journal of Systems and Software, Elsevier, Volume 116, June 2016, Pages 191–205.
- J51. C. Yang, P. Liang, **P. Avgeriou**, *A survey on software architectural assumptions*, Journal of Systems and Software, Volume 113, March 2016, Pages 362–380.
- J52. C. Manteuffel, D. Tofan, **P. Avgeriou**, H. Koziolk, T. Goldschmidt, *Decision architect – A decision documentation tool for industry*, Journal of Systems and Software, Volume 111, January 2016, Pages 157–184.
- J53. **P. Avgeriou**, P. Kruchten, R. Nord, I. Ozkaya, C. Seaman, *Reducing Friction in Software Development*, IEEE Software, January/February 2016.
- J54. C. Yang, P. Liang, **P. Avgeriou**, *A systematic mapping study on the combination of software architecture and agile development*, Journal of Systems and Software, Volume 111, January 2016, Pages 157-184
- J55. A. Ampatzoglou, A. Chatzigeorgiou, S. Charalampidou, **P. Avgeriou**, *The Effect of GoF Design Patterns on Stability: A Case Study*, IEEE Transactions on Software Engineering, vol.41, no.8, pp.781-802, Aug. 1 2015.
- J56. Ar. Ampatzoglou, Ap. Ampatzoglou, A. Chatzigeorgiou, **P. Avgeriou**, *The financial aspect of managing technical debt: A systematic literature review*, Information and Software Technology, Volume 64, August 2015, Pages 52-73.
- J57. M. Galster, **P. Avgeriou**, *An industrial case study on variability handling in large enterprise software systems*, Information and Software Technology, Volume 60, April 2015, Pages 16–31.
- J58. Z. Li, **P. Avgeriou**, P. Liang, *A systematic mapping study on technical debt and its management*, Journal of Systems and Software, Volume 101, March 2015, Pages 193-220.
- J59. D. Ameller, M. Galster, **P. Avgeriou**, X. Franch, *A survey on quality attributes in service-based systems*, Software Quality Journal, June 2016, Volume 24, Issue 2, pp. 271-299, Springer.

- J60. D. Tofan, M. Galster, **P. Avgeriou**, Validating and improving a knowledge acquisition approach for architectural decisions, *International Journal of Software Engineering and Knowledge Engineering*, World Scientific, Vol. 24, No. 04, pp. 553-589, 2014.
- J61. D. Tofan, M. Galster, **P. Avgeriou**, W. Schuitema, Past and Future of Software Architectural Decisions - a Systematic Mapping Study, *Information and Software Technology*, Elsevier, Volume 56, Issue 8, August 2014, Pages 850-872.
- J62. M. Galster, D. Weyns, D. Tofan, B. Michalik, **P. Avgeriou**, Variability in Software Systems - A Systematic Literature Review, *IEEE Transactions on Software Engineering*, Volume:40, Issue: 3, March 2014, Pages: 282 - 306.
- J63. K. Stol, **P. Avgeriou**, M. Ali Babar, Y. Lucas, B. Fitzgerald, Key Factors for Adopting Inner Source, *ACM Transactions on Software Engineering and Methodology*, Volume 23 Issue 2, March 2014.
- J64. M. Galster, L. Lapre, **P. Avgeriou**, Service-oriented architecture in variability-intensive environments: pitfalls and best practices in the example of local e-government, *IEEE Software*, Volume: 31 , Issue: 1, January/February 2014 , Page(s): 77 - 84.
- J65. U. van Heesch, V. Eloranta, **P. Avgeriou**, K. Koskimies and N. Harrison, DCAR - Decision-Centric Architecture Reviews, *IEEE Software*, Volume: 31, Issue: 1, January/February 2014, Pages: 69 - 76.
- J66. **P. Avgeriou**, M. Stal, R. Hilliard, Architecture Sustainability, *IEEE Software* Volume: 30, Issue: 6, November/December issue 2013, Page(s): 40 - 44.
- J67. U. van Heesch, **P. Avgeriou**, A. Tang, Does decision documentation lead to more rational decisions? - A comparative multiple-case study, *Journal of Systems and Software*, Volume 86, Issue 6, June 2013, Pages 1545-1565, Elsevier. DOI: <http://dx.doi.org/10.1016/j.jss.2013.01.057>
- J68. N. Harrison, **P. Avgeriou**, Using Pattern-Based Architecture Reviews to Detect Quality Attribute Issues – an Exploratory Study, *Transactions on Pattern Languages of Programming III*, LNCS 7840, 2013, pp 168-194, Springer. http://dx.doi.org/10.1007/978-3-642-38676-3_5
- J69. Z. Li, P. Liang, **P. Avgeriou**, Application of Knowledge-based Approaches in Software Architecture: A Systematic Mapping Study, *Information and Software Technology*, Volume 55, Issue 5, May 2013, Pages 777-794, Elsevier. <http://dx.doi.org/10.1016/j.infsof.2012.11.005>
- J70. M. Galster, **P. Avgeriou**, D. Tofan, Constraints for the design of variability-intensive service-oriented reference architectures – An industrial case study, *Information and Software Technology*, Volume 55, 2013, Pages 428 – 441, Elsevier. <http://dx.doi.org/10.1016/j.infsof.2012.09.011>
- J71. S. Mahdavi-Hezavehi, M. Galster, **P. Avgeriou**, Variability in quality attributes of service-based software systems: A systematic literature review, *Information and Software Technology*, Volume 55, 2013, Pages 320 – 343, Elsevier. <http://dx.doi.org/10.1016/j.infsof.2012.08.010>
- J72. A.W. Kamal, **P. Avgeriou**, U. Zdun, The Use of Pattern Participants Relationships for Integrating Patterns: A Controlled Experiment, *Software: Practice and Experience*, Volume 43, Issue 7, July 2013, Pages: 807–833, Wiley. <http://dx.doi.org/10.1002/spe.1121>
- J73. T. Callo, P. America, **P. Avgeriou**, A Top-Down Approach to Construct Execution Views of a Large Software-Intensive System, *Journal of Software Maintenance and Evolution: Research and Practice*, Volume 25, Issue 3, March 2013, Pages: 233–260, Wiley. <http://dx.doi.org/10.1002/smr.577>
- J74. U. van Heesch, **P. Avgeriou**, U. Zdun, N. Harrison, The supportive effect of patterns in architecture decision recovery - A controlled experiment, *Science of Computer Programming*,

- Elsevier, Volume 77, Issue 5, May 2012, Pages 551–576.
<http://dx.doi.org/10.1016/j.scico.2011.11.008>
- J75. U. van Heesch, **P. Avgeriou**, R. Hilliard, A documentation framework for architecture decisions, *Journal of Systems and Software*, Volume 85, Issue 4, April 2012, Pages 795-820, Elsevier.
<http://dx.doi.org/10.1016/j.jss.2011.10.017>
- J76. N. Harrison and **P. Avgeriou**, Pattern-Based Architecture Reviews, *IEEE Software*, Volume: 28, Issue: 6, Pages: 66 – 71, 2011, IEEE Computer Society Press.
<http://doi.ieeecomputersociety.org/10.1109/MS.2010.156>
- J77. K. Stol, M. Ali Babar, **P. Avgeriou**, B. Fitzgerald, A comparative study of challenges in integrating Open Source Software and Inner Source Software, *Information and Software Technology*, Volume 53, Issue 12, December 2011, Pages 1319-1336, Elsevier. (**Most Downloaded Information and Software Technology Articles, January 2012**)
<http://dx.doi.org/10.1016/j.infsof.2011.06.007>
- J78. T. Callo, P. van der Spek, **P. Avgeriou**, A practice-driven systematic review of dependency analysis solutions, *Empirical Software Engineering*, Volume 16, Number 5, 2011, Pages 544-586, Springer. <http://dx.doi.org/10.1007/s10664-011-9158-8>
- J79. T. Callo, **P. Avgeriou**, P. America, K. Blom, S. Bachynskyy, A Top-down Strategy to Reverse Architecting Execution Views for a Large and Complex Software-Intensive System: An Experience Report, *Science of Computer Programming*, Volume 76, Issue 12, 1 December 2011, Pages 1098-1112, Elsevier. <http://dx.doi.org/10.1016/j.scico.2010.11.008>
- J80. T. Callo, **P. America**, P. Avgeriou, Defining and Documenting Execution Viewpoints for a Large and Complex Software-Intensive System, *Journal of Systems and Software*, Volume 84, Issue 9, September 2011, Pages 1447-1461, Elsevier. <http://dx.doi.org/10.1016/j.jss.2010.11.908>
- J81. P. Liang, A. Jansen, **P. Avgeriou**, A. Tang, L. Xu, Advanced quality prediction model for software architectural knowledge sharing, *Journal of Systems and Software*, Volume 84, Issue 5, May 2011, Pages 786-802. <http://dx.doi.org/10.1016/j.jss.2010.12.046>
- J82. P. Lago, **P. Avgeriou**, R. Hilliard, Rich, Software Architecture: Framing Stakeholders' Concerns, *IEEE Software*, Volume: 27, Issue: 6, 2010, Pages: 20 – 24.
<http://doi.ieeecomputersociety.org/10.1109/MS.2010.142>
- J83. N. Harrison, **P. Avgeriou**, How do Architecture Patterns and Tactics Interact? A Model and Annotation, *Journal of Systems and Software*, Elsevier, Volume 83, Issue 10, October 2010, Pages 1735-1758. <http://dx.doi.org/10.1016/j.jss.2010.04.067>
- J84. A. Tang, **P. Avgeriou**, A. Jansen, R. Capilla, M. Ali Babar, A Comparative Study of Architecture Knowledge Management Tools, *Journal of Systems and Software*, Volume 83, 2010, pages 352-370, Elsevier. (**Top ten most cited papers among all the papers published by JSS in 2010**)
<http://dx.doi.org/10.1016/j.jss.2009.08.032>
- J85. A. Jansen, **P. Avgeriou** and J. van der Ven, Enriching Software Architecture Documentation. *Journal of Systems and Software*, Volume 82, Issue 8, August 2009, Pages 1232-1248, Elsevier.
<http://dx.doi.org/10.1016/j.jss.2009.04.052>
- J86. P. Liang, A. Jansen, and **P. Avgeriou**, Sharing architecture knowledge through models: quality and cost, *Knowledge Engineering Review*, Volume 24, Issue 03, pp. 225-244, September 2009, Cambridge University Press. <http://dx.doi.org/10.1017/S0269888909990038>
- J87. Michiel Koning, Marco Sinnema, Changai Sun, **P. Avgeriou**, VxBPEL: Supporting variability for Web services in BPEL, *Information and Software Technology*, Volume 51, Issue 2, February 2009, Pages 258 – 269, Elsevier. <http://dx.doi.org/10.1016/j.infsof.2007.12.002>

- J88. U. Zdun, **P. Avgeriou**, A Catalog of Architectural Primitives for Modeling Architectural Patterns, *Information and Software Technology*, Volume 50, Issues 9-10, August 2008, Pages 1003-1034, Elsevier. <http://dx.doi.org/10.1016/j.infsof.2007.09.003>
- J89. A. Jansen, J. Bosch, and **P. Avgeriou**, Documenting after the fact: Recovering architectural design decisions, *Journal of Systems and Software*, Elsevier, Volume 81, Issue 4, pp.536-557, 2008. <http://dx.doi.org/10.1016/j.jss.2007.08.025>
- J90. Harrison, N, **Avgeriou, P.**, and Zdun, U. Using Patterns to Capture Architectural Decisions, *IEEE Software* 24(4): 38-45, 2007. <http://doi.ieeecomputersociety.org/10.1109/MS.2007.124>
- J91. **P. Avgeriou** and P. Tandler, Architectural Patterns for Collaborative Applications, *International Journal of Computer Applications in Technology*, Inderscience, Vol. 25, Nos. 2/3, pp.86-101, 2006. <http://dx.doi.org/10.1504/IJCAT.2006.009062>
- J92. **P. Avgeriou**, S. Retalis, E. Skordalakis, CRITON: A Hypermedia Design Tool, *Multimedia Tools and Applications*, Kluwer Academic Publishers, Volume 27, Issue 1, pp. 5-21, 2005. <http://dx.doi.org/10.1007/s11042-005-2712-x>
- J93. S. Retalis, A. Papasalouros, **P. Avgeriou**, Kostas Siassiakos, e-Learning Resource Brokers, *Journal Of Information Technology Impact*, VOLUME 4, Issue 1, ISSN 1098-139X, 2004.
- J94. **P. Avgeriou**, D. Vogiatzis, A. Tzanavari, S. Retalis, Towards a pattern language for adaptive web-based educational systems, *Advanced Technology for Learning*, Vol. 1, Issue 4, ACTA Press, 2004.
- J95. D. Synodinos, **P. Avgeriou**, Hypermedia Design for the Mobile Era, The *International Journal of Mobile Communications*, Vol. 2, No. 3, pp.271-284, Inderscience, 2004. <http://dx.doi.org/10.1504/IJMC.2004.005165>
- J96. **P. Avgeriou**, S. Retalis, N. Papaspyrou, Modeling learning technology systems as business systems, *Software and Systems Modeling*, Volume 2, No. 2, pp 120-133, Springer, July 2003. <http://dx.doi.org/10.1007/s10270-003-0022-1>
- J97. **P. Avgeriou**, Describing, Instantiating and Evaluating a Reference Architecture: A Case Study, *Enterprise Architect Journal*, Fawcette Technical Publications, <http://www.ftponline.com/ea/>, June 2003.
- J98. D. Synodinos, **P. Avgeriou**, Engineering Hypermedia for Multi-channel Access, with the use of XML, *Computer Systems Science and Engineering*, Vol. 18, No. 5, September 2003, CRL Publishing Ltd., UK, 2003.
- J99. **P. Avgeriou**, A. Papasalouros, S. Retalis, Manolis Skordalakis, Towards a Pattern Language for Learning Management Systems, *Educational Technology & Society*, Volume 6, Issue 2, pp. 11-24, IEEE IFETS, 2003. <http://ifets.ieee.org/periodical/6-2/2.html>
- J100. S. Retalis and **P. Avgeriou**, Modelling Web-based Instructional Systems, *Journal of Information Technology Education*, Informing Science Institute, Volume 1, No. 1, pp. 25-41, 2002.
- J101. S. Retalis, Y. Psaromiligkos, **P. Avgeriou**, Web Engineering: New Discipline, New Educational Challenges, *Journal of Information Services and Use*, Vol. 20, Num 2,3 pp. 95-108, IOS Press, 2000.

4.2.3 International Conferences

Note: Acceptance rates of conferences are mentioned in cases they are known

- C1. C. Zhong, D. Feitosa, P. Avgeriou, H. Huang, Y. Li, H. Zhang, *PairSmell: A Novel Perspective*

- Inspecting Software Modular Structure*, IEEE/ACM International Conference on Software Engineering (ICSE 2025), April 27-May 3 2025, Ottawa, Canada.
- C2. J. Biazotto, D. Feitosa, P. Avgeriou, E. Nakagawa, *Automating Technical Debt Management: Insights from Practitioner Discussions in Stack Exchange*, International Conference on Technical Debt 2025, 27-28 April 2025, Ottawa, Ontario, Canada.
- C3. E. Sutoyo, P. Avgeriou, A. Capiluppi, *Tracing the Lifecycle of Architecture Technical Debt in Software Systems: A Dependency Approach*, 22nd International Conference on Software Architecture (ICSA), 31st March - 4th April 2025, Odense, Denmark.
- C4. E. Sutoyo, P. Avgeriou, A. Capiluppi, *Deep Learning and Data Augmentation for Detecting Self-Admitted Technical Debt*, 31st Asia-Pacific Software Engineering Conference (APSEC 2024), 3-6 Dec 2024, Chongqing, China.
- C5. Y. Li, M. Soliman, P. Avgeriou and M. Van Ittersum, *DebtViz: A Tool for Identifying, Measuring, Visualizing, and Monitoring Self-Admitted Technical Debt*, 2023 IEEE International Conference on Software Maintenance and Evolution (ICSME), Bogotá, Colombia, 2023, pp. 558-562.
- C6. P. Avgeriou, I. Ozkaya, A. Chatzigeorgiou, M. Ciolkowski, N. Ernst, R. Koontz, E. Poort, F. Shull, *Technical Debt Management: The Road Ahead for Successful Software Delivery*, 2023 IEEE/ACM International Conference on Software Engineering: Future of Software Engineering (ICSE-FoSE), Melbourne, Australia, 2023, pp. 15-30.
- C7. R. Li, P. Liang, P. Avgeriou, *Code Reviewer Recommendation for Architecture Violation Issues: An Exploratory Study*, 27th International Conference on Evaluation and Assessment in Software Engineering (EASE 2023), 14-16 June 2023 Oulu, Finland.
- C8. Y. Li, M. Soliman, P. Avgeriou, *Automatically Identifying Relations Between Self-Admitted Technical Debt Across Different Sources*, ACM/IEEE International Conference on Technical Debt (TechDebt 2023).
- C9. M. Soliman, K. Gericke, P. Avgeriou, *Where and What do Architects blog? An Exploratory Study on Architectural Knowledge in Blogs, and their Relevance to Design Steps*, 20th IEEE International Conference on Software Architecture (ICSA 2023).
- C10. H. Cadavid, V. Andrikopoulos, P. Avgeriou, *Documentation-as-Code for Interface Control Document Management in Systems of Systems: A Technical Action Research Study*, 16th European Conference on Software Architecture, ECSA 2022, Prague, Czech Republic, September 19–23, 2022, Pages 19–37.
- C11. R. Li, M. Soliman, P. Liang, P. Avgeriou, *Symptoms of Architecture Erosion in Code Reviews: A Study of Two OpenStack Projects*, 19th IEEE International Conference on Software Architecture (ICSA 2022), 12-15 March 2022, Hawaii, USA.
- C12. J. Tan, D. Feitosa, P. Avgeriou, *Do practitioners intentionally self-fix Technical Debt and why?*, 37th IEEE International Conference on Software Maintenance and Evolution (ICSME 2021), September 27 - October 1 2021, Luxembourg.
- C13. M. Soliman, M. Galster, P. Avgeriou, *An Exploratory Study on Architectural Knowledge in Issue Tracking Systems*, European Conference on Software Architecture (ECSA 2021), LNCS vol 12857. Springer. https://doi.org/10.1007/978-3-030-86044-8_8
- C14. R. Li, P. Liang, M. Soliman, P. Avgeriou, *Understanding Architecture Erosion: The Practitioners' Perceptive*, International Conference on Program Comprehension (ICPC 2021), collocated with the International Conference on Software Engineering (ICSE 2021), Madrid, Spain, May 22-30 2021.
- C15. H. Cadavid, V. Andrikopoulos, P. Avgeriou, C. Broekema, *System- and Software-level Architecting Harmonization Practices for Systems-of-Systems - An exploratory case study on a long-running large-scale scientific instrument*, IEEE International Conference on Software Architecture (ICSA 2021), March 22 – 26, Stuttgart, Germany.

- C16. M. Soliman, M. Wiese, Y. Li, M. Riebisch, P. Avgeriou, *Exploring Web Search Engines to Capture Architectural Knowledge*, IEEE International Conference on Software Architecture (ICSA 2021), March 22 – 26, Stuttgart, Germany.
- C17. H. Cadavid, V. Andrikopoulos, P. Avgeriou, J. Klein. *A Survey on the Interplay between Software Engineering and Systems Engineering during SoS Architecting*, 14th ACM / IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM), ACM, October 2020.
- C18. G. Digkas, A. Ampatzoglou, A. Chatzigeorgiou, P. Avgeriou, *On the Temporality of Introducing Code Technical Debt*, Proceedings of the 13th International Conference on the Quality of Information and Communications Technology (QUATIC 2020), pp 68-82, Faro, Portugal, September 9–11, 2020.
- C19. J. Tan, D. Feitosa, P. Avgeriou, *Investigating the Relationship between Co-occurring Technical Debt in Python*, 46th EUROMICRO conference on Software Engineering and Advanced Applications (SEAA), Portorož, Slovenia, August 26-28, 2020, IEEE.
- C20. Y. Li, M. Soliman, P. Avgeriou, *Identification and Remediation of Self-Admitted Technical Debt in Issue Trackers*, 46th EUROMICRO conference on Software Engineering and Advanced Applications (SEAA), Portorož, Slovenia, August 26-28, 2020, IEEE.
- C21. J. Tan, D. Feitosa, P. Avgeriou, *An Empirical Study on Self-Fixed Technical Debt*, Third International Conference on Technical Debt 2020 (TechDebt 2020), May 25-26, 2020, Seoul, South Korea.
- C22. D. Sas, P. Avgeriou, F. Arcelli Fontana, *Investigating Instability Architectural Smells Evolution: An Exploratory Case Study*, 2019 IEEE International Conference on Software Maintenance and Evolution (ICSME), 29 Sept. - 4 Oct. 2019, Cleveland, OH, USA.
- C23. F. Arcelli Fontana, P. Avgeriou, I. Pigazzini, R. Roveda, *A Study on Architectural Smells Prediction*, 45th Euromicro Conference on Software Engineering and Advanced Applications (SEAA) 28-30 Aug. 2019, Chalkidiki, Greece.
- C24. C. Yang, P. Liang, P. Avgeriou, *Integrating Agile Practices into Architectural Assumption Management: An Industrial Survey*, Proceedings of the Evaluation and Assessment on Software Engineering (EASE '19), April 15-17, 2019, Copenhagen, Denmark.
- C25. S. Charalampidou, E. Arvanitou, A. Ampatzoglou, P. Avgeriou, A. Chatzigeorgiou, I. Stamelos, *Structural Quality Metrics as Indicators of the Long Method Bad Smell: An Empirical Study*, 44th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2018), August 29 – 31, 2018, Prague, Czech Republic, IEEE.
- C26. Ar. Ampatzoglou, A. Michailidis, C. Sarikyriakidis, Ap. Ampatzoglou, A. Chatzigeorgiou, P. Avgeriou, *A framework for managing interest in technical debt: an industrial validation*, In Proceedings of the 2018 International Conference on Technical Debt (TechDebt '18), May 27 - 28, 2018, Gothenburg, Sweden, ACM, 115-124. DOI: <https://doi.org/10.1145/3194164.3194175>
- C27. A. Ampatzoglou, S. Bibi, A. Chatzigeorgiou, P. Avgeriou, I. Stamelos, *Reusability Index: A Measure for Assessing Software Assets Reusability*, Proceedings of the 17th International Conference on Software Reuse (ICSR), Madrid, Spain, May 21-23, 2018, Springer LNCS 10826.
- C28. G. Digkas, M. Lungu, P. Avgeriou, A. Chatzigeorgiou, A. Ampatzoglou, *How do developers fix issues and pay back technical debt in the Apache ecosystem?*, 25th International Conference on Software Analysis, Evolution and Reengineering (SANER), 20-23 March, 2018, Campobasso, Italy, IEEE, Pages: 153 - 163.
- C29. E. M. Arvanitou, A. Ampatzoglou, K. Tzouvalidis, A. Chatzigeorgiou, P. Avgeriou and I. Deligiannis, *Assessing Change Proneness at the Architecture Level: An Empirical Validation*, 24th Asia-Pacific Software Engineering Conference Workshops (APSECW), Nanjing, China, 4-8 Dec. 2017, IEEE, pp. 98-105.
- C30. D. Feitosa, P. Avgeriou, A. Ampatzoglou, E. Nakagawa, *The Evolution of Design Pattern Grime:*

- An Industrial Case Study*, Proceedings of the 18th International Conference on Product-Focused Software Process Improvement (PROFES), Innsbruck, Austria, November 29 - December 01, 2017.
- C31. G. Digkas, M. Lungu, A. Chatzigeorgiou, P. Avgeriou, *The Evolution of Technical Debt in the Apache Ecosystem*, Proceedings of the European Conference on Software Architecture (ECSA 2017), 11-15 September, Canterbury, UK, Springer LNCS vol. 10475.
- C32. C. Yang, P. Liang, P. Avgeriou, U. Eliasson, R. Heldal, P. Pelliccione, *Architectural Assumptions and Their Management in Industry – An Exploratory Study*, Proceedings of the European Conference on Software Architecture (ECSA 2017), 11-15 September, Canterbury, UK, Springer LNCS vol. 10475.
- C33. E. Arvanitou, A. Ampatzoglou, A. Chatzigeorgiou, P. Avgeriou, *A Method for Assessing Class Change Proneness*, Proceedings of the 21st International Conference on Evaluation and Assessment in Software Engineering (EASE'17), ACM, pp 186-195, Karlskrona, Sweden — June 15 - 16, 2017. **Best paper award.**
- C34. S. Charalampidou, A. Ampatzoglou, A. Chatzigeorgiou, P. Avgeriou, *Assessing code smell interest probability: a case study*, Proceedings of the Ninth International Workshop on Managing Technical Debt, held in conjunction with XP 2017, Cologne, Germany, May 22, 2017.
- C35. D. Feitosa, A. Ampatzoglou, P. Avgeriou, F. Affonso, H. Andrade, K. Felizardo, E. Nakagawa, *Design Approaches for Critical Embedded Systems: A Systematic Mapping Study*. Post-proceedings of Evaluation of Novel Approaches to Software Engineering. (ENASE 2017). Communications in Computer and Information Science, vol 866. Springer.
- C36. S. Charalampidou, A. Ampatzoglou, **P. Avgeriou**, S. Sencer, E. Arvanitou and I. Stamelos, *A Theoretical Model for Capturing the Impact of Design Patterns on Quality*, Proceedings of the 32nd ACM SIGAPP Symposium On Applied Computing, Marrakech, Morocco, April 4-6, 2017.
- C37. C. Izurieta, I. Ozkaya, C. Seaman, P. Kruchten, R. Nord, W. Snipes, **P. Avgeriou**, *Perspectives on Managing Technical Debt. A Transition Point and Roadmap from Dagstuhl*, 1st International Workshop on Technical Debt Analytics (TDA), in association with the 23rd Asia-Pacific Software Engineering Conference (APSEC 2016). December 6-9, Hamilton, New Zealand.
- C38. A. Ampatzoglou, **P. Avgeriou**, T. Koenders, P. van Alphen, I. Stamelos, *Title: Quality Rule Violations in SharePoint Applications: An Empirical Study in Industry*, proceedings of the 17th International Conference on Product-Focused Software Process Improvement (PROFES2016), 22-24 November 2016, Trondheim, Norway.
- C39. Ar. Ampatzoglou, Ap. Ampatzoglou, A. Chatzigeorgiou, **P. Avgeriou**, P. Abrahamsson, A. Martini, U. Zdun, K. Systa, *The Perception of Technical Debt in the Embedded Systems Domain: An Industrial Case Study*, Eighth workshop on Managing Technical Debt (MTD 2016), in conjunction with the International Conference on Software Maintenance and Evolution (ICSME 2016), Raleigh, North Carolina, October 4, 2016.
- C40. X. He, **P. Avgeriou**, P. Liang, Z. Li, *Technical Debt in MDE: A Case Study on GMF/EMF-Based Projects*, Proceedings of the ACM/IEEE 19th International Conference on Model Driven Engineering Languages and Systems (MODELS), October 2-7 2016, Saint Malo, France.
- C41. G. Lewis, P. Lago, **P. Avgeriou**, *A Decision Model for Cyber-Foraging Systems*, 13th Working IEEE/IFIP Conference on Software Architecture (WICSA 2016), Venice, Italy April 5-8, 2016. **Best paper award.**
- C42. S. Charalampidou, A. Ampatzoglou, **P. Avgeriou**. Size and cohesion metrics as indicators of the long method bad smell: An empirical study. In Proceedings of the 11th International Conference on Predictive Models and Data Analytics in Software Engineering (PROMISE '15). October 21, 2015, Beijing, China.
- C43. E. Arvanitou, A. Ampatzoglou, A. Chatzigeorgiou, **P. Avgeriou**, *Introducing a Ripple Effect Measure: A Theoretical and Empirical Validation*, 9th International Symposium on Empirical

- Software Engineering and Measurement (ESEM), Beijing, China, October, 22-23, 2015.
- C44. Ar. Ampatzoglou, Ap. Ampatzoglou, P. Avgeriou, A. Chatzigeorgiou, A Financial Approach for Managing Interest in Technical Debt, 5th International Symposium on Business Modeling and Software Design (BMSD 2015), Milan, Italy, July 6–8, 2015, Springer LNBIP vol. 257, pp. 117-133.
- C45. L. Garces Rodriguez, A. Ampatzoglou, **P. Avgeriou**, E. Nakagawa, A Reference Architecture for Healthcare Supportive Home Systems, proceedings of 28th IEEE International Symposium on Computer-Based Medical Systems (CBMS), 22-25 June 2015, Sao Carlos, Brazil.
- C46. L. Garces Rodriguez, A. Ampatzoglou, **P. Avgeriou**, E. Nakagawa, A Comparative Analysis of Reference Architectures for Healthcare in the Ambient Assisted Living Domain, IEEE 28th International Symposium on Computer-Based Medical Systems (CBMS), 22-25 June 2015, Sao Carlos, Brazil
- C47. D. Feitosa, A. Ampatzoglou, **P. Avgeriou**, E. Yumi Nakagawa, Investigating Quality Trade-offs in Open Source Critical Embedded Systems, the Eleventh International ACM Sigsoft Conference on the Quality of Software Architectures (QoSA 2015), May 4-8, 2015, Montreal, Canada.
- C48. Z. Li, P. Liang, **P. Avgeriou**, Architectural Technical Debt Identification based on Architecture Decisions and Change Scenarios, 12th Working IEEE/IFIP Conference on Software Architecture (WICSA 2015), Montreal, Canada, 4-8 May 2015
- C49. S. Charalampidou, A. Ampatzoglou and **P. Avgeriou**, PROMES Process Framework: A framework for modeling embedded systems development processes, 40th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2014), Verona, Italy, August 27-29, 2014.
- C50. Z. Li, P. Liang, **P. Avgeriou**, N. Guelfi, A. Amaptzoglou, An Empirical Investigation of Modularity Metrics for Indicating Architectural Technical Debt, France, in proceedings of the 10th International ACM SIGSOFT Conference on the Quality of Software Architectures (QoSA), June 30 to July 3 2014, Lille, France.
- C51. C. Manteuffel, D. Tofan, H. Koziolok, T. Goldschmidt, **P. Avgeriou**, Industrial Implementation of a Documentation Framework for Architectural Decisions, in proceedings of the *11th Working IEEE/IFIP Conference on Software Architecture* (WICSA 2014), Sydney, Australia on April 7-11, 2014
- C52. A. Ampatzoglou, A. Gkortzis, S. Charalampidou, **P. Avgeriou**, An Embedded Multiple-Case Study on OSS Design Quality Assessment across Domains, in proceedings of ACM / IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM), Baltimore, Maryland, USA, October 10-11, 2013.
- C53. D. Tofan, M. Galster, **P. Avgeriou**, Difficulty of Architectural Decisions – A Survey with Professional Architects, in proceedings of the 7th European Conference on Software Architecture (ECSA 2013) Montpellier, France, July 1-5, 2013, Springer LNCS. (acceptance rate 18%) http://dx.doi.org/10.1007/978-3-642-39031-9_17
- C54. D. Ameller, M. Galster, **P. Avgeriou**, X. Franch, The Role of Quality Attributes in Service-Based Systems Architecting: A Survey, in proceedings of the 7th European Conference on Software Architecture (ECSA 2013) Montpellier, France, July 1-5, 2013, Springer LNCS. http://dx.doi.org/10.1007/978-3-642-39031-9_18
- C55. D. Tofan, M. Galster, **P. Avgeriou**, Improving Architectural Knowledge Management in Public Sector Organizations – an Interview Study, proceedings of the 25th International Conference on Software Engineering and Knowledge Engineering (SEKE 2013), Boston, USA, June 27 - June 29, 2013.

- C56. M. Galster, **P. Avgeriou**, Qualitative Analysis of the Impact of SOA Patterns on Quality Attributes, in proceedings of the 12th International Conference on Quality Software (QSIC), Xi'an, China, 27th – 29th Aug 2012, IEEE CS. <http://dx.doi.org/10.1109/QSIC.2012.35>
- C57. U. van Heesch, **P. Avgeriou**, R. Hilliard, Forces on Architecture Decisions, in proceedings of the 10th Working IEEE/IFIP Conference on Software Architecture (WICSA) & 6th European Conference on Software Architecture (ECSA) - WICSA/ECSA 2012, Helsinki, Finland, August 20-24, 2012. (acceptance rate 20%) <http://dx.doi.org/10.1109/WICSA-ECSA.212.18>
- C58. M. Galster, **P. Avgeriou**, A Variability Viewpoint for Enterprise Software Systems, in proceedings of the 10th Working IEEE/IFIP Conference on Software Architecture (WICSA) & 6th European Conference on Software Architecture (ECSA) - WICSA/ECSA 2012, Helsinki, Finland, August 20-24, 2012. <http://dx.doi.org/10.1109/WICSA-ECSA.212.43>
- C59. M. Galster, D. Tofan, **P. Avgeriou**, On Integrating Student Empirical Software Engineering Studies with Research and Teaching Goals, in proceedings of the 16th International Conference on Evaluation & Assessment in Software Engineering (EASE 2012), Ciudad Real, Spain, 14th-15th May, 2012. (acceptance rate 34%) <http://dx.doi.org/10.1049/ic.2012.0018>
- C60. K. Stol, M. Ali Babar, **P. Avgeriou**, The Importance of Architectural Knowledge in Integrating Open Source Software, in proceedings of the 7th International Conference on Open Source Systems (OSS), 6-7 October 2011 in Salvador, Brazil, Springer. http://dx.doi.org/10.1007/978-3-642-24418-6_10
- C61. R. Capilla, O. Zimmermann, U. Zdun and **P. Avgeriou**, An Enhanced Architectural Knowledge Metamodel Linking Architectural Design Decisions to Other Artifacts in the Software Engineering Lifecycle, in proceedings of the 5th European Conference on Software Architecture (ECSA 2011), Essen, Germany, 13-16 September 2011, Springer LNCS. http://dx.doi.org/10.1007/978-3-642-23798-0_33
- C62. K. Stol, **P. Avgeriou**, M. Ali Babar, Design and Evaluation of a Process for Identifying Architecture Patterns in Open Source Software, in proceedings of the 5th European Conference on Software Architecture (ECSA 2011), Essen, Germany, 13-16 September 2011, Springer LNCS. http://dx.doi.org/10.1007/978-3-642-23798-0_15
- C63. D. Tofan, M. Galster, **P. Avgeriou**, Reducing Architectural Knowledge Vaporization by Applying the Repertory Grid Technique, in proceedings of the 5th European Conference on Software Architecture (ECSA 2011), Essen, Germany, 13-16 September 2011, Springer LNCS. http://dx.doi.org/10.1007/978-3-642-23798-0_27
- C64. S. Mahdavi-Hezavehi, U. van Heesch, **P. Avgeriou**, A Pattern Language for Architecture Patterns and Software Technologies - Introducing Technology Pattern Languages, in proceedings of the 16th European Pattern Languages of Programming (EuroPLoP) 2011, July 13-17, 2011, Isee, Germany.
- C65. M. Galster, **P. Avgeriou**, Empirically-grounded Reference Architectures: A Proposal, in proceedings of the Seventh International ACM Sigsoft Conference on the Quality of Software Architectures QoSA 2011. Boulder, Colorado, USA, June 20-24, 2011. <http://doi.acm.org/10.1145/2000259.2000285>
- C66. U. van Heesch, **P. Avgeriou**, Mature Architecting - A Survey about the Reasoning Process of Professional Architects, 9th Working IEEE/IFIP Conference on Software Architecture (WICSA), 20-24 June 2011 Boulder, Colorado, USA. **Nominated for best paper award.** <http://doi.ieeecomputersociety.org/10.1109/WICSA.2011.42>

- C67. M. Galster, **P. Avgeriou**, Handling Variability in Software Architecture: Problems and Implications, 9th Working IEEE/IFIP Conference on Software Architecture (WICSA), 20-24 June 2011 Boulder, Colorado, USA. <http://doi.ieeecomputersociety.org/10.1109/WICSA.2011.30>
- C68. D. Tofan, M. Galster, **P. Avgeriou**, Capturing Tacit Architectural Knowledge Using the Repertory Grid Technique, in proceedings, of the 33rd Int. Conf. on Software Engineering (ICSE 2011), NIER Track, Waikiki, Honolulu, Hawaii, May 21-28, 2011. IEEE Computer Society. (acceptance rate 23%) <http://doi.acm.org/10.1145/1985793.1985944>
- C69. D. Tofan, M. Galster, **P. Avgeriou**, D. Weyns, Software Engineering Researchers' Attitudes on Case Studies and Experiments: an Exploratory Survey, 15th International Conference on Evaluation and Assessment in Software Engineering (EASE), April 11-12 2011, Durham, UK.
- C70. M. Galster, **P. Avgeriou**, The Notion of Variability in Software Architecture – Results from a Preliminary Exploratory Study, Fifth International Workshop on Variability Modelling of Software-intensive Systems (VaMoS 2011). January 27th-29th, 2011 — Namur, Belgium. ACM. <http://doi.acm.org/10.1145/1944892.1944899>
- C71. P. Liang, **P. Avgeriou**, and K. He, Rationale Management Challenges in Requirements Engineering. In Proceedings of the 3rd International Workshop on Managing Requirements Knowledge (MaRK). IEEE Computer Society, pages 16–21, 2010.
- C72. U. van Heesch, **P. Avgeriou**, Naive architecting - Understanding the Reasoning Process of Students - A Descriptive Survey, proceedings of the 4th European Conference on Software Architecture (ECSA), August 23 – 26, 2010, Copenhagen, Denmark, Lecture Notes in Computer Science, Springer. (acceptance rate 25%) http://dx.doi.org/10.1007/978-3-642-15114-9_5
- C73. A. W. Kamal, **P. Avgeriou**, Mining Relationships Between the Participants of Architectural Patterns, proceedings of the 4th European Conference on Software Architecture (ECSA), August 23 – 26, 2010, Copenhagen, Denmark, Lecture Notes in Computer Science, Springer. http://dx.doi.org/10.1007/978-3-642-15114-9_34
- C74. P. Liang, **P. Avgeriou**, K. He, and L. Xu (2010) From Collective Knowledge to Intelligence: Pre-Requirements Analysis of Large and Complex Systems. In Proceedings of the 1st Workshop on Web 2.0 for Software Engineering (Web2SE). ACM, pages 26–30, 2010.
- C75. K. Stol, **P. Avgeriou**, M. Ali Babar, Identifying Architectural Patterns Used in Open Source Software: Approaches and Challenges, Proc. International Conference on Evaluation and Assessment of Software Engineering (EASE), Keele, UK, 2010.
- C76. N. Harrison, **P. Avgeriou**, and U. Zdun, On the Impact of Fault Tolerance Tactics on Architecture Patterns, 2nd International Workshop on Software Engineering for Resilient Systems (SERENE), April 13-16, 2010, London, UK, ACM CS Press.
- C77. A. W. Kamal, **P. Avgeriou**, Modeling the Variability of Architectural Patterns, Software Engineering track of the 25th Symposium On Applied Computing, March 22 - 26, 2010, Sierre, Switzerland, ACM CS Press. (acceptance rate < 30%) <http://doi.acm.org/10.1145/1774088.1774572>
- C78. T. Callo, P. America, **P. Avgeriou**, Constructing a Resource Usage View of a Large and Complex Software-Intensive System, proceedings of the 16th Working Conference on Reverse Engineering (WCRE), 14-17 October 2009, Lille, France, IEEE Computer Society Press. (acceptance rate 25%) <http://doi.ieeecomputersociety.org/10.1109/WCRE.2009.37>
- C79. T. Callo, P. America, **P. Avgeriou**, Defining Execution Viewpoints for a Large and Complex Software-Intensive System, proceedings of the 8th Working IEEE/IFIP Conference on Software Architecture (WICSA) and the 3rd European Conference on Software Architecture (ECSA), 14

- September 2009, Cambridge, UK. **Selected among the best papers for journal invitation.** (acceptance rate 27%) <http://dx.doi.org/10.1109/WICSA.2009.5290784>
- C80. P. Liang, **P. Avgeriou** and V. Clerc, Requirements Reasoning for Distributed Requirements Analysis using Semantic Wiki. In Proceedings of the International Workshop on KNOWledge engINeering in Global software development (KNOWING). IEEE Computer Society, co-located with ICGSE 2009 in Limerick, Ireland, 13 - 17 July 2009. <http://doi.ieeecomputersociety.org/10.1109/ICGSE.2009.61>
- C81. U. van Heesch, **P. Avgeriou**, A Pattern driven Approach against Architectural Knowledge Vaporization, in proceedings of the European Pattern Languages of Programming (EuroPLOP) 2009, July 8-12, 2009, Irsee, Germany.
- C82. A. Kontogogos and **P. Avgeriou**, An Overview of Software Engineering Approaches to Service Oriented Architectures in Various Fields. In Proceedings of the 1st International Workshop for eGovernment via Software Services (WeGovS2), co-located with 18th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE 2009), June 29--July 1, 2009, Groningen, Netherlands, IEEE Computer Society. <http://dx.doi.org/10.1109/WETICE.2009.44>
- C83. W.J. van den Heuvel, O. Zimmermann, F. Leymann, P. Lago, I. Schieferdecker, U. Zdun, and **P. Avgeriou**, Software Service Engineering: Tenets and Challenges, proceedings of the Workshop on Principles of Engineering Service Oriented Systems (PESOS 2009), hosted at the 31st Int. Conf. on Software Engineering (ICSE 2009), IEEE Computer Society Press.
- C84. N. Harrison and **P. Avgeriou**, Incorporating Fault Tolerance Tactics in Software Architecture Patterns, RISE/EFTS Joint International Workshop on Software Engineering for REsilieNt systems, November 17-19, 2008, Newcastle upon Tyne (UK), ACM CS Press, pp. 9-18. <http://doi.acm.org/10.1145/1479772.1479775>
- C85. A. W. Kamal, **P. Avgeriou**, Modeling Architectural Patterns' Behavior Using Architectural Primitives, 2nd European Conference on Software Architecture (ECSA) September 29-October 1, 2008, Pathos, Cyprus, Springer LNCS 5292. (acceptance rate 14%) http://dx.doi.org/10.1007/978-3-540-88030-1_13
- C86. T. Callo, **P. Avgeriou**, P. America, Analyzing the Actual Execution of a Large Software-Intensive System for Determining Dependencies, 15th Working Conference on Reverse Engineering (WCRE 2008), October 15th-18th, 2008 - Antwerp, Belgium, IEEE Computer Society Press. **Best Paper Award.** (acceptance rate 29%) <http://dx.doi.org/10.1109/WCRE.2008.11>
- C87. P. Liang, A. Jansen, and **P. Avgeriou**, Selecting a High-Quality Central Model for Sharing Architectural Knowledge, 8th International Conference on Quality Software, Oxford, UK, 12-13 August 2008, pp. 357-365, IEEE Computer Society Press. (acceptance rate 30%) <http://doi.ieeecomputersociety.org/10.1109/QSIC.2008.20>
- C88. A. W. Kamal, **P. Avgeriou**, U. Zdun, Modeling Variants of Architectural Patterns, the *European Pattern Languages of Programming* (EuroPLOP), 9-13 July 2008, Irsee, Germany, Universitätsverlag Konstanz.
- C89. A. Jansen, T. de Vries, **P. Avgeriou**, M. van Veelen, Sharing the Architectural Knowledge of Quantitative Analysis, proceedings of the 4th International Conference on the Quality of Software Architectures (QoSA 2008), University of Karlsruhe (TH), Germany, October 14-17, 2008, pp. 220-234, Springer LNCS 5281 (acceptance rate 36%). http://dx.doi.org/10.1007/978-3-540-87879-7_14

- C90. U. Zdun, **P. Avgeriou**, C. Hentrich, S. Dustdar, Architecting as Decision Making with Patterns and Primitives, proceedings of the Third Workshop on SHARing and Reusing architectural Knowledge (SHARK 2008), hosted at the 30th Int. Conf. on Software Engineering (ICSE 2008), IEEE Computer Society Press. <http://doi.acm.org/10.1145/1370062.1370066>
- C91. N. Harrison and **P. Avgeriou**, Analysis of Architecture Pattern Usage in Legacy System Architecture Documentation, proceedings of the Working IEEE/IFIP Conference on Software Architecture (WICSA) 2008, 18 – 22 February 2008, Vancouver, BC, Canada, pp. 147-156, IEEE Computer Society Press. (acceptance rate 26 %) <http://doi.ieeecomputersociety.org/10.1109/WICSA.2008.18>
- C92. P. Lago, **P. Avgeriou**, R. Capilla, P. Kruchten, Wishes and Boundaries for a Software Architecture Knowledge Community, proceedings of the Working IEEE/IFIP Conference on Software Architecture (WICSA) 2008, 18 – 22 February 2008, Vancouver, BC, Canada, pp. 271-274, IEEE Computer Society Press. (acceptance rate 26 %) <http://doi.ieeecomputersociety.org/10.1109/WICSA.2008.25>
- C93. A. W. Kamal, **P. Avgeriou**, An Evaluation of ADLs on Modeling Patterns for Software Architecture, 3rd International Workshop on Rapid Integration of Software Engineering techniques (RISE), November 26-27, 2007, Luxembourg, Lecture Notes in Computer Science, Springer.
- C94. N. Harrison and **P. Avgeriou**, Leveraging Architecture Patterns to Satisfy Quality Attributes, First European Conference on Software Architecture Madrid, Spain, September 24-26, 2007, Springer Lecture Notes in Computer Science. (acceptance rate 20 %) http://dx.doi.org/10.1007/978-3-540-75132-8_21
- C95. N. Harrison and **P. Avgeriou**, Pattern-Driven Architectural Partitioning - Balancing Functional and Non-functional Requirements, First International Workshop on Software Architecture Research and Practice (SARP'07), July 1-6, 2007 - Silicon Valley, USA, IEEE Computer Society Press.
- C96. A. Jansen, J. S. van der Ven, **P. Avgeriou**, and D. K. Hammer, Tool support for Architectural Decisions, Sixth Working IEEE/IFIP Conference on Software Architecture (WICSA), Mumbai, India, January 6 – 9, 2007, IEEE Computer Society Press. (acceptance rate 29 %) <http://doi.ieeecomputersociety.org/10.1109/WICSA.2007.47>
- C97. **P. Avgeriou**, Run-time Reconfiguration of Service-Centric Systems, the *European Pattern Languages of Programming* (EuroPLOP), 5–9 July 2006, Irsee, Germany, Universitätsverlag Konstanz.
- C98. J. S. van der Ven, A. Jansen, **P. Avgeriou**, and D. K. Hammer, Using Architectural Decisions, 2nd International Conference on the Quality of Software Architectures (QoSA 2006), Västerås, Sweden, 27-29 June, 2006.
- C99. U. Zdun, **P. Avgeriou**, Modeling Architectural Patterns Using Architectural Primitives, proceedings of the 20th ACM SIGPLAN *Object-Oriented Programming, Systems, Languages and Applications* (OOPSLA 2005), pp. 133-146, San Diego, California, 16-20 October, 2005, ACM. (acceptance rate 18 %) <http://doi.acm.org/10.1145/1094811.1094822>
- C100. A. Guicking, P. Tandler, **P. Avgeriou**, Agilo: A Highly Flexible Groupware Framework, *11th International Workshop on Groupware (CRIWG 2005)*, 25-29 September, 2005, Porto de Galinhas, Brazil, published in the Lecture Notes in Computer Science, Volume 3706, Springer-Verlag Heidelberg, 2005. http://dx.doi.org/10.1007/11560296_4

- C101. **P. Avgeriou**, U. Zdun, Architectural Patterns Revisited – A Pattern Language, the *European Pattern Languages of Programming (EuroPLOP)* 6–10 July 2005, Irsee, Germany, Universitätsverlag Konstanz.
- C102. **P. Avgeriou**, N. Guelfi, Resolving architectural mismatches of COTS through architectural reconciliation, *The International Conference on COTS-Based Software Systems (ICCBSS)*, Bilbao, Lecture Notes in Computer Science, Volume 3412, Springer-Verlag, 7-11 January 2005, Pages 248 - 257. http://dx.doi.org/10.1007/978-3-540-30587-3_34
- C103. **P. Avgeriou**, N. Guelfi, G. Perrouin, Evolution Through Architectural Reconciliation, *Workshop on Software Evolution Through Transformations (SETra)* 2004, Rome, Italy, Electronic Notes in Theoretical Computer Science (ENTCS), vol. 521, Elsevier, 2 October 2004. <http://dx.doi.org/10.1016/j.entcs.2004.08.042>
- C104. **P. Avgeriou**, N. Guelfi, R. Razavi, A Pattern Language for Documenting Software Architectures, proceedings of the *European Pattern Languages of Programming (EuroPLOP)* 7–11 July 2004, Irsee, Germany, Universitätsverlag Konstanz.
- C105. D. Vogiatzis, A. Tzanavari, S. Retalis, **P. Avgeriou** and A. Papasalouros, The Learner’s Mirror - Designing a User Modelling Component in Adaptive Hypermedia Educational Systems, proceedings of the *European Pattern Languages of Programming (EuroPLOP)* 7–11 July 2004, Irsee, Germany, Universitätsverlag Konstanz.
- C106. P. Goodyear, **P. Avgeriou**, R. Baggetun, S. Bartoluzzi, S. Retalis, F. Ronteltap, E. Rusman, Towards a Pattern Language for Networked Learning, proceedings of *Networked Learning 2004*, Lancaster UK, 5-7 April 2004.
- C107. **P. Avgeriou**, D. Vogiatzis, A. Tzanavari, S. Retalis, Design Patterns In Adaptive Web-based Educational Systems: An Overview, *First International Workshop on Authoring of Adaptive and Adaptable Educational Hypermedia*, February 16-18, 2004, Innsbruck, Austria.
- C108. **P. Avgeriou**, A. Papasalouros, S. Retalis, Patterns For Designing Learning Management Systems, proceedings of the *European Pattern Languages of Programming (EuroPLOP)* 25–29 June 2003, Irsee, Germany, Universitätsverlag Konstanz.
- C109. M. Sartzetaki, Y. Psaromiligkos, S. Retalis, **P. Avgeriou**, An approach for usability evaluation of e-commerce sites based on design patterns and heuristics criteria, proceedings of the *10th International Conference on Human - Computer Interaction*, Crete, Greece, June 2003, Lawrence Erlbaum Associates.
- C110. **P. Avgeriou**, L. Michael, I. Stavrou, S. Retalis, Designing an e-Learning Objects Brokerage System, proceedings of *International Conference on Network Universities and E-learning* Valencia, Spain, 8-9 May, 2003.
- C111. D. Synodinos, **P. Avgeriou**, The Art of Multi-channel Hypermedia Application Development, proceedings of the *Workshop on Emerging Applications for Wireless and Mobile Access, at the Twelfth International World Wide Web Conference*, Budapest, Hungary, May 20, 2003.
- C112. A. Papasalouros, S. Retalis, **P. Avgeriou** and M. Skordalakis, An Integrated Model for the authoring of Web-based Adaptive Educational Applications, proceedings of *AH2003: Workshop on Adaptive Hypermedia and Adaptive Web-Based Systems*, at the Twelfth International World Wide Web Conference, Budapest, Hungary, May 20, 2003.
- C113. **P. Avgeriou**, S. Retalis, E. Skordalakis, Building Quality Into Learning Management Systems – An Architecture-Centric Approach, *International Workshop on Conceptual Modeling Quality (IWCMQ’02)*, Tampere, Finland, 11th October, 2002, published in the Lecture Notes in

Computer Science, Volume 2784, Springer-Verlag Heidelberg. http://dx.doi.org/10.1007/978-3-540-45275-1_28

- C114. D. Synodinos, **P. Avgeriou**, m-WOnDA: The Write Once, Deliver Anywhere model for mobile users, *ER/IFIP8.1 Workshop on Conceptual Modelling Approaches to Mobile Information Systems Development (MobIMod'2002)*, Tampere, Finland, 11th October 2002, published in the Lecture Notes in Computer Science, Volume 2784, Springer-Verlag Heidelberg. http://dx.doi.org/10.1007/978-3-540-45275-1_18
- C115. D. Synodinos, **P. Avgeriou**, WOnDA: an Extensible Multi-platform Hypermedia Design Model, *Workshop on Efficient Web-based Information Systems*, 2nd September 2002, Montpellier France, published in the Lecture Notes in Computer Science, Volume 2426, Advances in Object-Oriented Information Systems, pp. 217-228, Springer-Verlag Heidelberg, 2002. http://dx.doi.org/10.1007/3-540-46105-1_25
- C116. **P. Avgeriou**, S. Retalis, A. Papasalouros, M. Skordalakis, Developing an architecture for the Software Subsystem of a Learning Technology System – an Engineering approach, proceedings of *IEEE International Conference of Advanced Learning Technologies*, 6-8 August 2001, Madison, Wisconsin, USA, IEEE Computer Society Press. <http://dx.doi.org/10.1109/ICALT.2001.943843>
- C117. **P. Avgeriou**, A. Papasalouros and S. Retalis, Learning Technology Systems: issues, trends, challenges, proceedings of the *1st IOSTE symposium in Southern Europe, Science and Technology Education*, Paralimni, Cyprus, May 2001.
- C118. **P. Avgeriou**, A. Koutoumanos, S. Retalis, N. Papaspyrou, Learning Object Metadata in a Web-based Learning Environment, proceedings of *Technology in Teaching and Learning in Higher Education: An international Conference*, Samos, Greece, August 2000.
- C119. **P. Avgeriou** and I. Kassios, Advanced Learning Technologies in the new instructional paradigm, proceedings of *Internet, Education and Science*, Vinnitsa, Ukraine, October 2000.
- C120. S. Retalis, **P. Avgeriou**, M. Skordalakis, How can we educate students on the web engineering discipline via the web? The NTUA 's approach, proceedings of *Technology in Teaching and Learning in Higher Education: An international Conference*, Samos, Greece, August 2000.

4.2.4 Book Chapters

- BC1. C. Yang, P. Liang, P. Avgeriou, T. Liu, Z. Xiong, *Industrial Evaluation of an Architectural Assumption Documentation Tool: A Case Study*, in I. Mistrik et al. (eds.) Knowledge Management in Data-Intensive Systems, Taylor & Francis Group, 2021.
- BC2. A. Ampatzoglou, S. Bibi, P. Avgeriou, A. Chatzigeorgiou, Guidelines for Managing Threats to Validity of Secondary Studies in Software Engineering, in M. Felderer, G. Travassos (eds.) Contemporary Empirical Methods in Software Engineering, Springer, 2020.
- BC3. S. Mahdavi-Hezavehi, **P. Avgeriou**, D. Weyns, A Classification of Current Architecture-based Approaches Tackling Uncertainty in Self-Adaptive Systems with Multiple Requirements, in I. Mistrik, N. Ali, R. Kazman, J. Grundy, B. Schmerl (eds.), Managing Trade-offs in Adaptable Software Architectures, Morgan Kaufmann, 2017.
- BC4. Z. Li, P. Liang, **P. Avgeriou**, Architecture Viewpoints for Documenting Architectural Technical Debt, in I. Mistrik, R. Soley, J. Grundy, B. Tekinerdogan, and N. Ali (eds.), Software Quality Assurance, Morgan Kaufmann, 2016, Pages 85–132.

- BC5. V.-P. Eloranta, U. van Heesch, **P. Avgeriou**, N. Harrison, K. Koskimies, Lightweight Evaluation of Software Architecture Decisions, in I. Mistrik, R. Bahsoon, P. Eeles, R. Roshandel and M. Stal (eds.) *Relating System Quality and Software Architecture*, Elsevier, 2014, Pages 157-179
- BC6. Z. Li, P. Liang, **P. Avgeriou**, Architectural Debt Management in Value-oriented Architecting, in I. Mistrik, R. Bahsoon, Y. Zhang, K. Sullivan, R. Kazman (eds.), *Economics-Driven Software Architecture*, Elsevier, 2014, Pages 183-204.
- BC7. M. Galster, **P. Avgeriou**, Supporting Variability Through Agility to Achieve Adaptable Architectures, in M. A. Babar, A. W. Brown, I. Mistrik. (eds.), *Agile software architecture: aligning agile processes and software architectures*, Elsevier, 2014, Pages 139-159.
- BC8. M. Galster, **P. Avgeriou**, Variability in Web Services, in R. Capilla, J. Bosch, K. Kang (eds.), *Systems and Software Variability Management*, Springer, 2013.
- BC9. N. Harrison and **P. Avgeriou**, Implementing Reliability: the Interaction of Requirements, Tactics and Architecture Patterns, in Antonio Casimiro, Rogério de Lemos, Cristina Gacek (eds.), *Architecting Dependable Systems 7*, Springer LNCS 6420, 2010. http://dx.doi.org/10.1007/978-3-642-17245-8_5
- BC10. P. Lago, R. Farenhorst, **P. Avgeriou**, R. de Boer, V. Clerc, A. Jansen, H. van Vliet, The GRIFFIN Collaborative Virtual Community for Architectural Knowledge Management, in A. Finkelstein, J. Grundy, A. van der Hoek, I. Mistrik, J. Whitehead (eds.) *Collaborative Software Engineering (CoSE)*, pp. 195-218, Springer-Verlag, 2010.
- BC11. P. Liang, A. Jansen, and **P. Avgeriou**, Collaborative Software Architecting through Architectural Knowledge Sharing, in A. Finkelstein, J. Grundy, A. van der Hoek, I. Mistrik, J. Whitehead (eds.) *Collaborative Software Engineering (CoSE)*, pp. 343-368, Springer-Verlag, 2010.
- BC12. H. van Vliet, **P. Avgeriou**, R. de Boer, V. Clerc, R. Farenhorst, A. Jansen, P. Lago, The GRIFFIN Project: Lessons Learned, in M. Ali Babar, T. Dingsøyr, P. Lago, H. van Vliet (eds.) *Software Architecture Knowledge Management: Theory and Practice*, pp. 137-154, Springer, 2009.
- BC13. P. Liang and **P. Avgeriou**, Tools and Technologies for Architectural Knowledge Management, in M. Ali Babar, T. Dingsøyr, P. Lago, H. van Vliet (eds.) *Software Architecture Knowledge Management: Theory and Practice*, pp. 91-111, Springer, 2009.
- BC14. **P. Avgeriou**, S. Retalis, M. Skordalakis, An Architecture for Open Learning Management Systems, *Lecture Notes in Computer Science series, Vol. 2563: Advances in Informatics*, Springer-Verlag, 2003. http://dx.doi.org/10.1007/3-540-38076-0_13

4.2.5 Edited Proceedings of Conferences and Workshops

- P1. F. Oquendo, **P. Avgeriou**, C. Cuesta, J. Carlos Maldonado, E. Nakagawa, K. Drira, A. Zisman, Proceedings of the First International Workshop on Software Engineering for Systems-of-Systems (SESoS '13), ACM. <http://dl.acm.org/citation.cfm?id=2489850>
- P2. **P. Avgeriou**, J. Burge, J. Cleland-Huang, X. Franch, M. Galster, M. Mirakhorli, R. Roshandel Proceedings of the 2nd international workshop on the twin peaks of requirements and architecture (TwinPeaks 2013), collocated with ICSE 2013, IEEE. <http://dl.acm.org/citation.cfm?id=2487082>
- P3. **P. Avgeriou**, Proceedings of the 4th International Workshop on Software Engineering for Resilient Systems (SERENE 2012), Pisa, Italy, September 27-28, 2012. *Lecture Notes in Computer Science, Volume 7527*, Springer. <http://dx.doi.org/10.1007/978-3-642-33176-3>

- P4. **P. Avgeriou**, A. Fiesser, Proceedings of the 16th European Conference on Pattern Languages of Programs (EuroPLOP '11), November 2012, ACM.
- P5. M. Galster, **P. Avgeriou**, D. Weyns, M. Becker, Proceedings of the Second international workshop on variability in software architecture, August 2012, collocated at WICSA/ECSA '12, ACM. <http://doi.acm.org/10.1145/2361999.2362027>
- P6. M. Galster, **P. Avgeriou**, D. Weyns, T. Mannisto, Proceedings of the First International Workshop on Variability in Software Architecture (VARSA 2011), ACM. <http://doi.ieeecomputersociety.org/10.1109/WICSA.2011.44>
- P7. P. Lago, **P. Avgeriou**, P. Kruchten, Proceedings of the Sixth International Workshop on SHaring and Reusing Architectural Knowledge, May 2011, Publisher: ACM <http://doi.acm.org/10.1145/1985793.1986055>
- P8. A. Helleboogh, **P. Avgeriou**, N. Boucké, P. Heymans, Proceedings of the Workshop on Variability in Software Product Line Architectures (VARI-ARCH 2010), 2010, ACM. <http://doi.acm.org/10.1145/1842752.1842809>
- P9. M. Weiss, **P. Avgeriou**, Proceedings of the 15th European Conference on Pattern Languages of Programs (EuroPLOP '10), July 2010, ACM. <http://dl.acm.org/citation.cfm?id=2328909>
- P10. P. Lago, **P. Avgeriou**, P. Kruchten, Proceedings of the Fifth International Workshop on Sharing and Reusing Architectural Knowledge (SHARK 2010), May 2010, ACM. <http://doi.acm.org/10.1145/1810295.1810417>
- P11. Lago, P., **Avgeriou, P.**, Kruchten, P., Proceedings of the Fourth International Workshop on Sharing and Reusing Architectural Knowledge (SHARK 2009), 2009, IEEE CS. <http://dx.doi.org/10.1109/ICSE-COMPANION.2009.5071055>
- P12. **Avgeriou, P.**, Lago, P., Kruchten, P., Proceedings of the Third International Workshop on Sharing and Reusing Architectural Knowledge (SHARK 2008), 2008, IEEE CS. <http://doi.acm.org/10.1145/1370175.1370249>
- P13. **P. Avgeriou**, P. Kruchten, P. Lago, P. Grisham, and D. Perry, Proceedings of the Second International Workshop on Sharing and Reusing Architectural Knowledge (SHARK 2007), 2007 ACM. <http://doi.ieeecomputersociety.org/10.1109/ICSECOMPANION.2007.65>
- P14. N. Medvidovic, **P. Avgeriou**, N. Guelfi (eds.), Proceedings of the International Workshop on Software Architecture Description with UML, co-located with UML 2004, Lisbon, Portugal, October 11-15, 2004.

4.2.6 Workshop Reports

- W1. F. Arcelli Fontana, A. Chatzigeorgiou, W. Trumler, C. Izurieta, **P. Avgeriou**, and R. L. Nord, Technical Debt in Agile Development: Report on the Ninth Workshop on Managing Technical Debt (MTD 2017). SIGSOFT Softw. Eng. Notes 42, 3 (September 2017), 18-21.
- W2. **P. Avgeriou**, N. Ernst, R. Nord, P. Kruchten, Technical Debt: Broadening Perspectives - Report on the Seventh Workshop on Managing Technical Debt (MTD 2015), ACM SIGSOFT Software Engineering Notes: Volume 41 Issue 2, March 2016.
- W3. I. Ozkaya, R. Nord, H. Koziolk, **P. Avgeriou**, Toward Simpler, not Simplistic, Quantification of Software Architecture and Metrics: Report on the Second International Workshop on Software Architecture and Metrics. SIGSOFT Softw. Eng. Notes Volume 40, Issue 5 (September 2015), 43-46.

- W4. M. Galster, M. Mirakhorli, J. Cleland-Huang, X. Franch, J. Burge, R. Roshandel, **P. Avgeriou**, Towards bridging the twin peaks of requirements and architecture, September 2014, SIGSOFT Software Engineering Notes , Volume 39 Issue 5.
- W5. R. Nord, I. Ozkaya, H. Koziolk, **P. Avgeriou**, Quantifying software architecture quality - report on the first international workshop on software architecture metrics, September 2014, SIGSOFT Software Engineering Notes , Volume 39 Issue 5.
- W6. M. Galster, T. Männistö, D. Weyns, **P. Avgeriou**, Variability in software architecture: the road ahead, August 2014, SIGSOFT Software Engineering Notes , Volume 39 Issue 4.
- W7. M. Galster, M. Mirakhorli, J. Cleland-Huang, J. Burge, X. Franch, R. Roshandel, **P. Avgeriou**, Views on software engineering from the twin peaks of requirements and architecture, August 2013, SIGSOFT Software Engineering Notes, Volume 38, Issue 5.
- W8. M. Galster, D. Weyns, **P. Avgeriou**, T. Mannisto, Variability in Software Architecture – Views and Beyond, January 2013, SIGSOFT Software Engineering Notes , Volume 37 Issue 6, ACM. <http://doi.acm.org/10.1145/2382756.2382768>
- W9. M. Galster, **P. Avgeriou**, D. Weyns, T. Männistö, Variability in software architecture: current practice and challenges, September 2011, SIGSOFT Software Engineering Notes , Volume 36 Issue 5, ACM. <http://doi.acm.org/10.1145/2020976.2020978>
- W10. P. Lago, **P. Avgeriou**, and P. Kruchten. Organizing a software architecture body of knowledge, at SHARK workshop, October 2010, SIGSOFT Softw. Eng. Notes vol. 35, issue 5, pp 37-40. <http://doi.acm.org/10.1145/1838687.1838696>
- W11. **P. Avgeriou**, P. Lago, P. Kruchten, Towards using architectural knowledge, SHARK workshop, February 2009, SIGSOFT Softw. Eng. Notes, ACM, 2009, 34, 27-30. <http://doi.acm.org/10.1145/1507195.1507219>
- W12. **P. Avgeriou**, P. Kruchten, P. Lago, P. Grisham, D. Perry, Architectural knowledge and rationale: issues, trends, challenges, July 2007, SIGSOFT Software Engineering Notes, Volume 32 Issue 4, ACM. <http://doi.acm.org/10.1145/1281421.1281443>
- W13. **P. Avgeriou**, U. Zdun, and I. Borne, Architecture-Centric Evolution: New Issues and Trends, in M. Sudholt and C. Consel (Eds.): ECOOP 2006, LNCS 4379, pp. 97–105, Springer-Verlag Berlin Heidelberg 2007.
- W14. N. Harrison, **P. Avgeriou**, and U. Zdun, Capturing Architectural Knowledge with Architectural Patterns, in U. Zdun, L. Hvatum (eds.) Proceedings of the 11th European Conference on Pattern Languages of Programs, Universitätsverlag Konstanz, 2006.
- W15. U. Zdun and **P. Avgeriou**, Architecture-Centric Evolution, in M. Roper (ed.), 20th European Conference on Object-Oriented Programming (ECOOP 2005), 25-29th July 2005, Glasgow, UK, LNCS, Springer-Verlag, Berlin Heidelberg 2006. http://dx.doi.org/10.1007/978-3-540-71774-4_11
- W16. Lago, P. and **Avgeriou, P.**, First workshop on sharing and reusing architectural knowledge, SHARK workshop at the 9th International Conference on Software Reuse (ICSR 2006), June 11-15, 2006, Torino, Italy, SIGSOFT Softw. Eng. Notes, ACM Press, vol. 31, Issue5, pp. 32-36, 2006. <http://doi.acm.org/10.1145/1163514.1163526>
- W17. **P. Avgeriou**, U. Zdun, Architectural Patterns in Practice, in A. Longshaw, U. Zdun (eds.) Proceedings of the 10th European Conference on Pattern Languages of Programs, Universitätsverlag Konstanz, 2005.
- W18. **P. Avgeriou**, N. Guelfi, N. Medvidovic, Software architecture description and UML, in Jardim Nunes, N. Selic, B., Silva, A. Toval, A. (eds.) UML Modeling Languages and Applications. *UML*

2004 *Satellite Activities*, Lisbon, Portugal, October 11-15, 2004 Revised Selected Papers. Volume 3297 of LNCS, Springer Verlag, 2004. http://dx.doi.org/10.1007/978-3-540-31797-5_3

W19. S. Retalis, **P. Avgeriou**, Special track on engineering e-learning systems, Proceedings of the 2004 *ACM Symposium on Applied Computing*, Nicosia, Cyprus, 2004, ISBN:1-58113-812-1, ACM Press, 14-17 March 2004. <http://doi.acm.org/10.1145/967900.968085>

4.2.7 Theses

T1. P. Avgeriou, A reference architecture for open Learning Management Systems, Doctoral Dissertation, National Technical University of Athens, Department of Electrical and Computer Engineering, Software Engineering Laboratory, January 2003.

T2. P. Avgeriou, CRITON: A CASE tool for designing web-based courseware, Diploma Thesis, National Technical University of Athens, Department of Electrical and Computer Engineering, Software Engineering Laboratory, September 1999.

4.2.8 National Publications

N1. P. Anastasiades, **P. Avgeriou**, S. Retalis, Virtual Universities, (in Greek) in S. Retalis (ed.) *Advanced Learning Technologies*, Kastaniotis publications, ISBN 960-03-3983-X, 2005.

N2. **P. Avgeriou**, A. Papasalouros, S. Retalis, I. Psaromiligkos, Learning Management Systems, (in Greek) in S. Retalis (ed.) *Advanced Learning Technologies*, Kastaniotis publications, ISBN 960-03-3983-X, 2005.

N3. **P. Avgeriou**, A. Papasalouros, S. Retalis, Learning Technologies Standardization, (in Greek) in S. Retalis (ed.) *Advanced Learning Technologies*, Kastaniotis publications ISBN 960-03-3983-X, 2005.

N4. **P. Avgeriou**, S. Retalis, M. Skordalakis, Y. Psaromiligkos, A Layered Component-based Architecture of a Virtual Learning Environment, proceedings of *8th Panhellenic Conference in Informatics*, 8-10 November 2001, Nicosia, Cyprus.

N5. S. Retalis, **P. Avgeriou** and N. Papaspyrou, Design of web-based courseware, (in Greek) in V. Makrakis (ed.) *Issues and Views for Open and distance Learning*, Propompos publications, ISBN 960-7860-20-9, 2001.

N6. S. Retalis and **P. Avgeriou**, Virtual Universities: Issues, trends and challenges, (in Greek) proceedings of *New technologies in Education and Distance Education* conference, Crete, Greece, June 2001.

N7. S. Retalis, **P. Avgeriou** and N. Papaspyrou, Web-based courseware design: the CADMOS-D method and the CRITON CASE Tool, (in Greek) in proceedings of the *Open and Distance Education Conference*, Igoumenitsa, Greece, 1999.