Thomas Degueule

Updated: October, 2025

Laboratoire Bordelais de Recherche en Informatique (LaBRI)
Software Engineering Group (*Progress*)
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Academic Positions

CNRS Junior Researcher (*Chargé de Recherche*) — Bordeaux, France
Laboratoire Bordelais de Recherche en Informatique (LaBRI) — *2020–current*
Full-time tenured research position.

Postdoctoral Researcher — Amsterdam, Netherlands
Centrum Wiskunde & Informatica (CWI) — *2017–2019*
Postdoctoral researcher in the *Software Analysis and Transformation* group (SWAT).

Doctoral Researcher & Teaching Assistant — Rennes, France
Inria – University of Rennes (IRISA) — *2013–2016*
PhD candidate in the *Diversity-centric Software Engineering* group (DiverSE).

PhD Students

Asma Ben Ali (CNRS), with Romain Robbes
Enhancing LLMs with Structured Code Data for Understanding and Generation *2025–current*

Nolan Bizon (CNRS), with Romain Robbes
Enhancing the Attention Mechanism of LLMs for Code *2025–current*

Gustave Monce (University of Bordeaux), with Jean-Rémy Falleri
Library–Client Compatibility Testing *2022–current*

Corentin Latappy (University of Bordeaux & Packmind), with Jean-Rémy Falleri
"*Coding practices: from documentation to detection*" *2021–2024*
Corentin is now a post-doc at the University of Bordeaux.

Christophe Casseau (University of Bordeaux), with Xavier Blanc and Jean-Rémy Falleri
"*Support for Jupyter Notebooks in Education*" *2020–2024*
Christophe is now a full-time lecturer at the University of Bordeaux.

Lina Ochoa Venegas (Eindhoven University of Technology & CWI), with Jurgen Vinju
"*Break the Code? Breaking Changes and Their Impact on Software Evolution*" *2017–2023*
Lina defended her thesis *Cum Laude*, was awarded the VERSEN Best Thesis Award, and is now an assistant professor at Eindhoven University of Technology.

Services

- Editorial board
  - ⋆ *Journal of Object Technology* (JOT) (2021–)
- Steering committee
  - ⋆ *International Conference on Software Language Engineering* (SLE) (2023–)
- Program co-chair
  - ⋆ *13th International Symposium on Information and Communication Technology* (SOICT'24), *Software Engineering Track*
  - ⋆ *16th International Conference on Software Language Engineering* (SLE'23)
  - ⋆ *3rd International Workshop on Modeling Language Engineering and Execution* (MLE'21)
- Program committee
  - ⋆ *34th International Conference on the Foundations of Software Engineering* (FSE'26)
  - ⋆ *23rd International Conference on Mining Software Repositories* (MSR'26)
  - ⋆ *33rd International Conference on Software Analysis, Evolution, and Reengineering* (SANER'26), Industrial track

  - ⋆ *40th International Conference on Automated Software Engineering* (ASE'25)
  - ⋆ *22nd International Conference on Mining Software Repositories* (MSR'25), Mining Challenge
  - ⋆ *39th International Conference on Automated Software Engineering* (ASE'24)
  - ⋆ *17th International Conference on Software Language Engineering* (SLE'24)
  - ⋆ *15th International Workshop on Automated Testing with ECOOP/ISSTA* (A-TEST'24)
  - ⋆ *12th International Symposium on Information and Communication Technology* (SOICT'23)
  - ⋆ *4th International Workshop on Modeling Language Engineering and Execution* (MLE@MODELS'22)
  - ⋆ *5th International Workshop on Software Refactoring* (IWoR'21)
  - ⋆ *1st International Workshop on Evaluation and Analysis of Recommender Systems in Software Engineering* (WEARS'21)
  - ⋆ *1st International Workshop on DATA4MDE* (DATA4MDE'21)
  - ⋆ *19th International Conference on Generative Programming: Concepts & Experiences* (GPCE'20)
  - ⋆ *23th International Conference on Model Driven Engineering Languages and Systems* (MODELS'20) (Tutorials, Tools & Demos, ACM Student Research Competition)
  - ⋆ *22th International Conference on Model Driven Engineering Languages and Systems* (MODELS'19) (Tutorials, Posters)
  - ⋆ *18th International Conference on Generative Programming: Concepts & Experiences* (GPCE'19)
  - ⋆ *12th International Conference on Software Language Engineering* (SLE'19)
  - ⋆ *International Workshop on Modeling Language Engineering and Execution* (MLE@MODELS'19)
  - ⋆ *21th International Conference on Model Driven Engineering Languages and Systems* (MODELS'18) (Tools & Demos, Posters)
  - ⋆ *Software Language Engineering Body of Knowledge Workshop* (SLEBoK@SLE'18)
  - ⋆ *4th International Workshop on Executable Modeling* (EXE@MODELS'18)
  - ⋆ *11th International Conference on Software Language Engineering* (SLE'18)
  - ⋆ *3rd International Workshop on Executable Modeling* (EXE@MODELS'17)
- — Artifact evaluation committee
  - ⋆ Co-chair for the *21st International Conference on Model-Driven Engineering Languages and Systems* (MODELS'18)
  - ⋆ Member for the *9th and 10th International Conference on Software Language Engineering* (SLE'16, SLE'17)
- — PhD committee
  - ⋆ Lina Ochoa Venegas. *Break the Code? Breaking Changes and Their Impact on Software Evolution*, Eindhoven University of Technology, Netherlands. March 29th, 2023. Co-promotor.
  - ⋆ Mohammed Chakib Belgaid. *Green Coding: an Empirical Approach to Harness the Energy Consumption of Software Services*, Inria/University of Lille, France. December 14, 2022. Examiner.
  - ⋆ Nicolas Harrand. *Software Diversity for Third-Party Dependencies*, KTH Royal Institute of Technology, Sweden. May 5, 2022. Examiner.
  - ⋆ Manuel Leduc. *On Modularity and Performance of External Domain-specific Language Implementations*. University of Rennes 1, France. December 12, 2019. Invited.
- — National thesis prize jury
  - ⋆ GDR-GPL 2025
  - ⋆ GDR-GPL 2023
  - ⋆ *Gilles Kahn*, *Société Informatique de France* (2020–2022)
- — Scientific animation
  - ⋆ Member of the Research Board of the French research network *Software Sciences* (GDR SciLog)
  - ⋆ Co-animator of the GDR SciLog working group *Vélocité Logicielle* (2021–)
  - ⋆ PC chair for GDR SciLog Posters & Demos (2023–current)
  - ⋆ Animator of the Software Engineering seminars (Progress Coffees) at LaBRI (2020–)
  - ⋆ Co-animator of the Systems & Data seminars (SeDminars) at LaBRI (2023–)
  - ⋆ Co-organizer of the IPA Fall Days on Software Legacy and Evolution (2019)
  - ⋆ Animator of the Software Engineering Meetings (SEM) at CWI (2017–2019)
- — Reviewer for:
  - ⋆ *Nature Scientific Data* (SDATA)
  - ⋆ *Transactions on Software Engineering* (TSE)

- ⋆ *Empirical Software Engineering* (EMSE)
- ⋆ *Journal of Systems & Software* (JSS)
- ⋆ *Information and Software Technology* (IST)
- ⋆ *Software & Systems Modeling* (SoSyM)
- ⋆ *Journal of Computer Languages* (COLA)
- ⋆ *Computer Languages, Systems and Structures* (COMLAN)
- ⋆ *The Journal of Object Technology* (JOT)
- ⋆ *Computer Standards & Interfaces* (CSI)
- ⋆ *IET Software*
- ⋆ *Nature Scientific Data* (SDATA)

Awards

- — Distinguished Reviewer Award
  40th International Conference on Automated Software Engineering (ASE'25)
- — 10-year Most Influential Paper Award for [21]
  18th International Conference on Software Language Engineering (SLE'25)
- — Distinguished Paper Award for [10]
  41st International Conference on Software Maintenance and Evolution (ICSME'25)
- — Best Paper Award for [26]
  44th International Conference on Software Engineering (ICSE'22)
- — Distinguished Paper Award for [29]
  11th International Conference on Software Language Engineering (SLE'18)
- — Distinguished Artifact Award for [17]
  11th International Conference on Software Language Engineering (SLE'18)
- — Best Software Engineering Technology Paper for [19]
  Awarded by VERSEN
- — 2nd place in the International ACM SRC Grand Finals 2016 for [38]
  Awarded by the ACM

Workshops

- — Rethinking Software Ecosystems
  Lorentz Center, Leiden
  5 days – Netherlands – 2026
- — Continuous Software Engineering
  McGill's Bellairs Research Institute
  7 days – Barbados – 2026
- — The Software Language Engineering Body of Knowledge
  Dagstuhl Seminar #17342
  5 days – Germany – 2017
- — Language Reuse
  McGill's Bellairs Research Institute
  7 days – Barbados – 2017
- — Globalizing Domain-Specific Languages
  Dagstuhl Seminar #14412
  5 days – Germany – 2014

Research Projects

- — ALIEN (2022 – 2026): Usage-Driven Software Library Evolution (PI)
  ANR JCJC: individual research grants for junior researchers
  `https://anr.fr/Projet-ANR-21-CE25-0007`
- — ALE (2017–current): Agile Language Engineering (Associate member)
  CWI–Inria associate research team between the DiverSE team at Inria and the SWAT team at CWI
  `http://gemoc.org/ale/`

— CROSSMINER (2017–2019): Developer-Centric Knowledge Mining (WP leader)
European Union's Horizon 2020 Research and Innovation Programme, project No. 732223
http://www.crossminer.org
— GEMOC (2012 – 2016): A Generic Framework for Model Execution and Dynamic Analysis (Member)
ANR Project, Program INS
http://gemoc.org/ins/
— MERgE (2013 – 2016): Multi-Concerns Interactions System Engineering (Member)
ITEA2 European Project
http://www.merge-project.eu/

Teaching

I am currently teaching in the Computer Science department of the Enseirb-Matmeca engineering school in Bordeaux:

— Software testing, Enseirb-Matmeca (equivalent Master 2)

Education

University of Rennes — Rennes, France
PhD degree in Computer Science — *2013–2016*
"*Composition and Interoperability for External Domain-Specific Language Engineering*" [37]
Advisors:
— Pr. Olivier Barais, University of Rennes, France
— Dr. Arnaud Blouin, INSA Rennes, France
Jury:
— Pr. Mark van den Brand – Eindhoven University of Technology, Netherlands – *Reviewer*
— Pr. Richard Paige – University of York, United Kingdom – *Reviewer*
— Pr. Sandrine Blazy – University of Rennes, France – *Chair*
— Pr. Ralf Lämmel – University of Koblenz-Landau, Germany – *Examiner*
— Pr. Bernhard Rumpe – RWTH Aachen University, Germany – *Examiner*
— Dr. Benoit Combemale, University of Rennes, France
Defense date: December 12, 2016

University of Nantes — Nantes, France
Master's degree in Computer Science — *2011–2013*

University of La Rochelle — La Rochelle, France
Bachelor's degree in Computer Science — *2009–2011*

University Institute of Technology of La Rochelle — La Rochelle, France
University degree of technology in Computer Science — *2007–2009*

Academic Software Development

— Roseau: https://github.com/alien-tools/roseau
— Maracas: https://github.com/alien-tools/maracas
— Eclipse Scava: https://eclipse.org/scava/
— Eclipse GEMOC Studio: https://eclipse.org/gemoc/
— Melange language workbench: http://melange-lang.org
— Action Language for Ecore (ALE): http://gemoc.org/ale-lang/
— K3 meta-language: http://www.kermeta.org

Publications

Refereed Journal Articles

[1] Nicolas Hubner, Jean-Rémy Falleri, Raluca Uricaru, Thomas Degueule, and Thomas Durieux. "What Happened in This Pipeline? Diffing Build Logs with CiDiff". In: *Proceedings of the ACM on Software Engineering* 2.ISSTA (2025). DOI: 10.1145/3728966.

[2] Lina Ochoa, Thomas Degueule, Jean-Rémy Falleri, and Jurgen Vinju. "Breaking Bad? Semantic Versioning and Impact of Breaking Changes in Maven Central". In: *Empirical Software Engineering* 27.3 (2022), pp. 1–42. DOI: 10.1007/s10664-021-10052-y.

[3] Manuel Leduc, Gwendal Jouneaux, Thomas Degueule, Gurvan Le Guernic, Olivier Barais, and Benoit Combemale. "Automatic Generation of Truffle-based Interpreters for Domain-Specific Languages". In: *Journal of Object Technology* 19.2 (2020), pp. 1–21. DOI: 10.5381/jot.2020.19.2.a1.

[4] Benoit Combemale et al. "Concern-Oriented Language Development (COLD): Fostering Reuse in Language Engineering". In: *Computer Languages, Systems & Structures* 54 (2018), pp. 139–155. DOI: 10.1016/j.cl.2018.05.004.

[5] Thomas Degueule, Benoit Combemale, Arnaud Blouin, Olivier Barais, and Jean-Marc Jézéquel. "Safe Model Polymorphism for Flexible Modeling". In: *Computer Languages, Systems & Structures* 49 (2016), pp. 176–195. DOI: 10.1016/j.cl.2016.09.001.

[6] David Méndez-Acuña, José A. Galindo, Thomas Degueule, Benoit Combemale, and Benoit Baudry. "Leveraging Software Product Lines Engineering in the Development of External DSLs: A Systematic Literature Review". In: *Computer Languages, Systems & Structures* 46 (2016), pp. 206–235. DOI: 10.1016/j.cl.2016.09.004.

[7] Vincent Aranega, Jean-Marie Mottu, Anne Etien, Thomas Degueule, Benoit Baudry, and Jean-Luc Dekeyser. "Towards an Automation of the Mutation Analysis Dedicated to Model Transformation". In: *Software Testing, Verification and Reliability* 25.5-7 (2015), pp. 653–683. DOI: 10.1002/stvr.1532.

Refereed Conference Papers

[8] Romain Robbes, Théo Matricon, Thomas Degueule, Andre Hora, and Stefano Zacchiroli. "Promises, Perils, and (Timely) Heuristics for Mining Coding Agent Activity". In: *23rd IEEE/ACM International Conference on Mining Software Repositories*. 2026.

[9] Stefano Balla, Thomas Degueule, Romain Robbes, Jean-Rémy Falleri, and Stefano Zacchiroli. "Automatic Classification of Software Repositories: a Systematic Mapping Study". In: *Proceedings of the 29th International Conference on Evaluation and Assessment in Software Engineering, EASE 2025, Istanbul, Turkey, June 17-20, 2025*. ACM, 2025.

[10] Corentin Latappy, Thomas Degueule, Jean-Rémy Falleri, Romain Robbes, and Lina Ochoa. "Roseau: Fast, Accurate, Source-based Breaking Change Analysis in Java". In: *IEEE International Conference on Software Maintenance and Evolution, ICSME 2025, Auckland, New Zealand, September 7-12, 2025*. IEEE, 2025, pp. 517–528. DOI: 10.1109/ICSME64153.2025.00053.

[11] Damien Jaime, Pascal Poizat, Joyce El Haddad, and Thomas Degueule. "Balancing the Quality and Cost of Updating Dependencies". In: *Proceedings of the 39th IEEE/ACM International Conference on Automated Software Engineering, ASE 2024, Sacramento, CA, USA, October 27-November 1, 2024*. ACM, 2024, pp. 1834–1845. DOI: 10.1145/3691620.3695595.

[12] Corentin Latappy, Thomas Degueule, Jean-Rémy Falleri, Romain Robbes, Xavier Blanc, and Cédric Teyton. "What the Fix? A Study of ASATs Rule Documentation". In: *Proceedings of the 32nd IEEE/ACM International Conference on Program Comprehension, ICPC 2024, Lisbon, Portugal, April 15-16, 2024*. ACM, 2024, pp. 246–257. DOI: 10.1145/3643916.3644404.

[13] Gustave Monce, Thomas Couturou, Yasmine Hamdaoui, Thomas Degueule, and Jean-Rémy Falleri. "Lightweight Syntactic API Usage Analysis with UCov". In: *Proceedings of the 32nd IEEE/ACM International Conference on Program Comprehension, ICPC 2024, Lisbon, Portugal, April 15-16, 2024*. ACM, 2024, pp. 426–437. DOI: 10.1145/3643916.3644415.

[14] Christophe Casseau, Jean-Rémy Falleri, Thomas Degueule, and Xavier Blanc. "MOON: Assisting Students in Completing Educational Notebook Scenarios". In: *IEEE Symposium on Visual Languages and Human-Centric Computing, VL/HCC 2023, Washington, DC, USA, October 2-6, 2023*. IEEE, 2023, pp. 157–167. DOI: 10.1109/VL-HCC57772.2023.00026.

[15] Corentin Latappy, Quentin Perez, Thomas Degueule, Jean-Rémy Falleri, Christelle Urtado, Sylvain Vauttier, Xavier Blanc, and Cédric Teyton. "MLinter: Learning Coding Practices from Examples—Dream or Reality?" In: *IEEE International Conference on Software Analysis, Evolution and Reengineering, SANER 2023, Taipa, Macao, March 21-24, 2023*. IEEE, 2023, pp. 795–804. DOI: 10.1109/SANER56733.2023.00092.

[16] Phuong T. Nguyen, Juri Di Rocco, Davide Di Ruscio, Lina Ochoa, Thomas Degueule, and Massimiliano Di Penta. "FOCUS: A Recommender System for Mining API Function Calls and Usage Patterns". In: *Proceedings of the 41th International Conference on Software Engineering*. Montréal, QC, Canada: IEEE / ACM, 2019, pp. 1050–1060. DOI: 10.1109/ICSE.2019.00109.

[17] Manuel Leduc, Thomas Degueule, and Benoit Combemale. "Modular Language Composition for the Masses". In: *Proceedings of the 11th ACM SIGPLAN International Conference on Software Language Engineering*. Boston, MA, USA: ACM, 2018, pp. 47–59. DOI: 10.1145/3276604.3276622.

[18] Lina Ochoa, Thomas Degueule, and Jurgen J. Vinju. "An Empirical Evaluation of OSGi Dependencies Best Practices in the Eclipse IDE". In: *Proceedings of the 15th International Conference on Mining Software Repositories*. Gothenburg, Sweden, 2018, pp. 170–180. DOI: 10.1145/3196398.3196416.

[19] Ulyana Tikhonova, Jouke Stoel, Tijs van der Storm, and Thomas Degueule. "Constraint-based Run-time State Migration for Live Modeling". In: *Proceedings of the 11th ACM SIGPLAN International Conference on Software Language Engineering*. Boston, MA, USA: ACM, 2018, pp. 108–120. DOI: 10.1145/3276604.3276611.

[20] Manuel Leduc, Thomas Degueule, Benoit Combemale, Tijs van der Storm, and Olivier Barais. "Revisiting Visitors for Modular Extension of Executable DSMLs". In: *20th ACM/IEEE International Conference on Model Driven Engineering Languages and Systems, MODELS 2017*. Austin, TX, USA, 2017, pp. 112–122. DOI: 10.1109/MODELS.2017.23.

[21] Thomas Degueule, Benoit Combemale, Arnaud Blouin, Olivier Barais, and Jean-Marc Jézéquel. "Melange: a Meta-Language for Modular and Reusable Development of DSLs". In: *Proceedings of the 2015 ACM SIGPLAN International Conference on Software Language Engineering*. Pittsburgh, PA, USA: ACM, 2015, pp. 25–36. DOI: 10.1145/2814251.2814252.

[22] Jean-Marc Jézéquel, David Méndez-Acuña, Thomas Degueule, and Benoit Combemale and Olivier Barais. "When Systems Engineering Meets Software Language Engineering". In: *Proceedings of the Fifth International Conference on Complex Systems Design & Management (CSD&M 2014)*. 2014, pp. 1–13. DOI: 10.1007/978-3-319-11617-4_1.

Book Chapters

[23] Thomas Degueule, Benoit Combemale, and Jean-Marc Jézéquel. "On Language Interfaces". In: *Present and Ulterior Software Engineering*. Ed. by Manuel Mazzara and Bertrand Meyer. Springer International Publishing, 2017, pp. 65–75. DOI: 10.1007/978-3-319-67425-4_5.

[24] Betty H. C. Cheng, Thomas Degueule, Colin Atkinson, Siobhán Clarke, Ulrich Frank, Pieter J. Mosterman, and Janos Sztipanovits. "Motivating Use Cases for the Globalization of DSLs". In: *Globalizing Domain-Specific Languages*. Ed. by Benoit Combemale, Betty H. C. Cheng, Robert B. France, Jean-Marc Jézéquel, and Bernhard Rumpe. Springer International Publishing, 2015, pp. 21–42. DOI: 10.1007/978-3-319-26172-0_3.

Refereed Short Papers

[25] Gustave Monce, Thomas Degueule, Jean-Rémy Falleri, and Romain Robbes. "Client–Library Compatibility Testing with API Interaction Snapshots". In: *IEEE International Conference on Software Maintenance and Evolution, ICSME 2025, Auckland, New Zealand, September 7-12, 2025*. IEEE, 2025, pp. 791–796. DOI: 10.1109/ICSME64153.2025.00081.

[26] Lina Ochoa, Thomas Degueule, and Jean-Rémy Falleri. "BreakBot: Analyzing the Impact of Breaking Changes to Assist Library Evolution". In: *44th IEEE/ACM International Conference on Software Engineering: New Ideas and Emerging Results ICSE (NIER) 2022, Pittsburgh, PA, USA, May 22-24, 2022*. IEEE, 2022, pp. 26–30. DOI: 10.1109/ICSE-NIER55298.2022.9793524.

[27] Christophe Casseau, Jean-Rémy Falleri, Xavier Blanc, and Thomas Degueule. "Immediate Feedback for Students to Solve Notebook Reproducibility Problems in the Classroom". In: *IEEE Symposium on Visual Languages and Human-Centric Computing, VL/HCC*. St Louis, MO, USA: IEEE, 2021, pp. 1–5. DOI: 10.1109/VL/HCC51201.2021.9576363.

[28] Manuel Leduc, Thomas Degueule, Eric van Wyk, and Benoit Combemale. "The Software Language Extension Problem". In: *Software and Systems Modeling* (2019). Expert's Voice, pp. 1–5. DOI: 10.1007/s10270-019-00772-7.

[29] Fabien Coulon, Thomas Degueule, Tijs van der Storm, and Benoit Combemale. "Shape-Diverse DSLs: Languages without Borders (vision paper)". In: *Proceedings of the 11th ACM SIGPLAN International Conference on Software Language Engineering*. Boston, MA, USA: ACM, 2018, pp. 215–219. DOI: 10.1145/3276604.3276623.

[30] Erwan Bousse, Thomas Degueule, Didier Vojtisek, Tanja Mayerhofer, Julien Deantoni, and Benoit Combemale. "Execution Framework of the GEMOC Studio". In: *Proceedings of the 2016 ACM SIGPLAN International Conference on Software Language Engineering*. Amsterdam, Netherlands: ACM, 2016, pp. 84–89. DOI: 10.1145/2997364.2997384.

[31] Thomas Degueule, João Bosco Ferreira Filho, Olivier Barais, Mathieu Acher, Jérôme Le Noir, Sébastien Madelénat, Grégory Gailliard, Godefroy Burlot, and Olivier Constant. "Tooling Support for Variability and Architectural Patterns in Systems Engineering". In: *Proceedings of the 19th International Conference on Software Product Line, SPLC*. Tool demonstration. Nashville, TN, USA, 2015, pp. 361–364. DOI: 10.1145/2791060.2791097.

Refereed Workshop Papers

[32] Thomas Degueule, Tanja Mayerhofer, and Andreas Wortmann. "Engineering a Rover Language in GEMOC Studio & MontiCore: a Comparison of Language Reuse Support". In: *Proceedings of MODELS 2017 Satellite Event co-located with ACM/IEEE 20th International Conference on Model Driven Engineering Languages and Systems (MODELS 2017)*. Austin, TX, USA, 2017, pp. 349–354.

[33] Benoit Combemale, Julien DeAntoni, Olivier Barais, Cédric Brun, Arnaud Blouin, Thomas Degueule, Erwan Bousse, and Didier Vojtisek. "A Solution to the TTC'15 Model Execution Case Using the GEMOC Studio". In: *Proceedings of the 8th Transformation Tool Contest, a part of the Software Technologies: Applications and Foundations (STAF 2015) federation of conferences*. 2015, pp. 19–26.

[34] Thomas Degueule, Benoit Combemale, Arnaud Blouin, and Olivier Barais. "Reusing legacy DSLs with Melange". In: *Proceedings of the 15th Workshop on Domain-Specific Modeling, DSM@SPLASH*. Pittsburgh, PA, USA, 2015, pp. 45–46. DOI: 10.1145/2846696.2846697.

[35] Olivier Finot, Jean-Marie Mottu, Gerson Sunyé, and Thomas Degueule. "Using Meta-model Coverage to Qualify Test Oracles". In: *Proceedings of the Second Workshop on the Analysis of Model Transformations (AMT 2013)*. Miami, FL, USA, 2013.

Refereed National Workshop Papers

[36] Thomas Degueule, Joao Bosco Ferreira Filho, Jérôme Le Noir, Olivier Barais, Mathieu Acher, Grégory Gailliard, Godefroy Burlot, Olivier Constant, and Sébastien Madelénat. "Variability and Patterns in Safety/Security Systems Engineering: an Overview". In: *Journée Lignes de Produits 2014*. National French Symposium. 2014.

Technical Reports / Others

[37] Thomas Degueule. "Composition and Interoperability for External Domain-Specific Language Engineering". PhD thesis. Université de Rennes 1, Dec. 2016. URL: https://hal.inria.fr/tel-01427009.

[38] Thomas Degueule. *Interoperability and Composition of DSLs with Melange*. Tech. rep. Submission to the ACM Student Research Competition Grand Finals. Inria, 2016.

[39] Thomas Degueule. "Génération automatique de modèles de test pour les transformations de modèles en exploitant l'analyse de mutation". MA thesis. University of Nantes, 2013.

Datasets & Artefacts

[40] Damien Jaime, Pascal Poizat, Joyce El Haddad, and Thomas Degueule. *ASE'24: Balancing the Quality and Cost of Updating Dependencies*. Zenodo, 2024. DOI: 10.5281/zenodo.13285362.

[41] Corentin Latappy, Thomas Degueule, Jean-Rémy Falleri, Romain Robbes, Xavier Blanc, and Cédric Teyton. *Replication Kit - What the Fix? A Study of ASATs Rule Documentation*. Zenodo, 2024. DOI: 10.5281/zenodo.10522473.

[42] Gustave Monce, Thomas Couturou, Yasmine Hamdaoui, Thomas Degueule, and Jean-Rémy Falleri. *Artifacts for "Lightweight Syntactic API Usage Analysis with UCov"*. Zenodo, 2024. DOI: 10.5281/zenodo.10571867.

[43] Christophe Casseau, Jean-Rémy Falleri, Thomas Degueule, and Xavier Blanc. *MOON: Assisting Students in Completing Educational Notebook Scenarios (Artifacts)*. Zenodo, 2023. DOI: 10.5281/zenodo.8167588.

[44] Corentin Latappy, Quentin Perez, Thomas Degueule, Jean-Rémy Falleri, Christelle Urtado, Sylvain Vauttier, Xavier Blanc, and Cédric Teyton. *Dataset - MLinter: Learning Coding Practices from Examples—Dream or Reality?* Zenodo, 2022. DOI: 10.5281/zenodo.7341456.

[45] Lina Ochoa, Thomas Degueule, Jean-Rémy Falleri, and Jurgen Vinju. *BreakBot: Static Reverse Dependency Compatibility Testing for Java Libraries (Artefacts)*. Zenodo, 2022. DOI: 10.5281/zenodo.7475823.

[46] Lina Ochoa, Thomas Degueule, Jean-Rémy Falleri, and Jurgen Vinju. *Breaking Bad? Semantic Versioning and Impact of Breaking Changes in Maven Central (Dataset)*. Zenodo, 2022. DOI: 10.5281/zenodo.5221840.