

# Thomas Degueule

Laboratoire Bordelais de Recherche en Informatique (LaBRI)  
Software Engineering Group (*Progress*)  
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Updated: September, 2024  
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<https://tdegueul.github.io>

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## Academic Positions

- CNRS Junior Researcher (*Chargé de Recherche*)  
**Laboratoire Bordelais de Recherche en Informatique (LaBRI)** 2020 – current  
Full-time tenured research position.
- Postdoctoral Researcher  
**Centrum Wiskunde & Informatica (CWI)** 2017 – 2019  
Postdoctoral researcher in the *Software Analysis and Transformation* group (SWAT) within the EU's H2020 project CROSSMINER and the associate team *Agile Language Engineering*.
- Doctoral Researcher & Teaching Assistant  
**Inria – University of Rennes (IRISA)** 2013 – 2016  
PhD candidate in the *Diversity-centric Software Engineering* group (DiverSE).

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## Education

- University of Rennes RENNES, FRANCE  
**PhD degree in Computer Science** 2013 – 2016  
*“Composition and Interoperability for External Domain-Specific Language Engineering” [33]*  
*Advisors:*
  - Pr. Olivier Barais, University of Rennes, France
  - Dr. Arnaud Blouin, INSA Rennes, France
  - Dr. Benoit Combemale, University of 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**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

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## PhD Students

- Gustave Monce (University of Bordeaux)  
**behavioral software library evolution** 2022 – current
- Corentin Latappy (University of Bordeaux & Packmind)  
**“Coding practices: from documentation to detection”** 2021 – 2024  
Corentin is now a post-doc at the University of Bordeaux.
- Christophe Casseau (University of Bordeaux)  
**“Supporting the Execution of Jupyter Notebooks in an Educational Setting”** 2019 – 2024  
Christophe is now a full-time lecturer at the University of Bordeaux.

Lina Ochoa Venegas (Eindhoven University of Technology & CWI)

*“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.

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## Services

### — Editorial board

- ★ *Journal of Object Technology* (JOT) (2021 – current)

### — Steering committee

- ★ *International Conference on Software Language Engineering* (SLE) (2023 – current)

### — 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

- ★ *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)
- ★ *19th International Conference on Generative Programming: Concepts & Experiences* (GPCE’20)
- ★ *18th International Conference on Generative Programming: Concepts & Experiences* (GPCE’19)
- ★ *12th International Conference on Software Language Engineering* (SLE’19)
- ★ *11th International Conference on Software Language Engineering* (SLE’18)
- ★ *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*
- ★ *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)
- ★ *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)
- ★ *3rd International Workshop on Executable Modeling* (EXE@MODELS’17)

### — PhD committee

- ★ Lina Ochoa. *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.

### — Thesis prize jury

- ★ Thesis Prize *Gilles Kahn* awarded by the *Société Informatique de France* (2020–2022)

- ★ Thesis Prize GDR-GPL 2023
  - Scientific animation
    - ★ Co-animator of the GDR-GPL working group *Vélocité Logicielle* (2021–)
    - ★ 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 2019 on Software Legacy and Evolution
    - ★ Animator of the Software Engineering Meetings (SEM) at CWI (2017 – 2019)
  - 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)
  - Reviewer for:
    - ★ *Transactions on Software Engineering* (TSE)
    - ★ *Empirical Software Engineering* (EMSE)
    - ★ *Journal of Systems & Software* (JSS)
    - ★ *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*
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## Research Projects

- ALIEN: Usage-Driven Software Library Evolution (PI)  
2022 – 2026  
*ANR JCJC: individual research grants for junior researchers*  
<https://anr.fr/Projet-ANR-21-CE25-0007>
  - ALE: Agile Language Engineering (Associate member)  
2017 – 2022  
*CWI–Inria associate research team between the DiverSE team at Inria and the SWAT team at CWI*  
<http://gemoc.org/ale/>
  - CROSSMINER: Developer-Centric Knowledge Mining from Large Open-Source Software Repositories (WP leader)  
2017 – 2019  
*European Union's Horizon 2020 Research and Innovation Programme, project No. 732223*  
<http://www.crossminer.org>
  - GEMOC: A Generic Framework for Model Execution and Dynamic Analysis (Member)  
2012 – 2016  
*ANR Project, Program INS*  
<http://gemoc.org/ins/>
  - MERgE: Multi-Concerns Interactions System Engineering (Member)  
2013 – 2016  
*ITEA2 European Project*  
<http://www.merge-project.eu/>
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## 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)

During my PhD, I was a teaching assistant at the University of Rennes 1 ([ISTIC](#)) and École Supérieure d'Ingénieurs de Rennes ([ESIR](#)) where I taught software engineering courses and supervised labwork and student projects:

- Model-driven Engineering, ESIR (equivalent Master 2)
  - Model-driven Engineering, ISTIC (Master 2)
  - Object-oriented Analysis and Design, ISTIC (Master 1)
  - Object-oriented Architectures, ISTIC (Master 2)
  - Distributed Information Systems, ISTIC (Master 1)
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## Awards

### Distinguished Papers

#### **Best Paper Award for [14]**

*44<sup>th</sup> International Conference on Software Engineering (ICSE'22), NIER track*

#### **Distinguished Paper Award for [24]**

*11<sup>th</sup> International Conference on Software Language Engineering (SLE'18)*

#### **Distinguished Artifact Award for [16]**

*11<sup>th</sup> International Conference on Software Language Engineering (SLE'18)*

#### **Best Software Engineering Technology Paper for [18]**

Awarded by VERSEN

### ACM Student Research Competition

#### **2<sup>nd</sup> place in the International ACM SRC Grand Finals 2016**

*"Interoperability and Composition of DSLs with Melange" [34]*

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## Invitations to Workshops

- SLEBOK: The Software Language Engineering Body of Knowledge  
*Dagstuhl Seminar #17342*  
*5 days – Germany – 2017*
  - 1<sup>st</sup> Workshop on Language Reuse  
*McGill's Bellairs Research Institute*  
*7 days – Barbados – 2017*
  - Globalizing Domain-Specific Languages  
*Dagstuhl Seminar #14412*  
*5 days – Germany – 2014*
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## Academic Software Development

- Eclipse Scava  
<https://eclipse.org/scava/>
  - Maracas  
<https://github.com/alien-tools/maracas>
  - Roseau  
<https://github.com/alien-tools/roseau>
  - Melange language workbench [32]  
<http://melange-lang.org>
  - Action Language for Ecore (ALE)  
<http://gemoc.org/ale-lang/>
  - K3 meta-language  
<http://www.kermeta.org>
  - Eclipse GEMOC Studio  
<https://eclipse.org/gemoc/>
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## Publications

### Refereed Journal Articles

- [1] 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](https://doi.org/10.1007/s10664-021-10052-y).
- [2] 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](https://doi.org/10.5381/jot.2020.19.2.a1).
- [3] Benoit Combemale et al. “Concern-Oriented Language Development (COLD): Fostering Reuse in Language Engineering”. In: *Computer Languages, Systems & Structures* 54 (2018), pp. 139–155. issn: 1477-8424. doi: [10.1016/j.cl.2018.05.004](https://doi.org/10.1016/j.cl.2018.05.004).
- [4] 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. issn: 1477-8424. doi: [10.1016/j.cl.2016.09.001](https://doi.org/10.1016/j.cl.2016.09.001).
- [5] 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. issn: 1477-8424. doi: [10.1016/j.cl.2016.09.004](https://doi.org/10.1016/j.cl.2016.09.004).
- [6] 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. issn: 1099-1689. doi: [10.1002/stvr.1532](https://doi.org/10.1002/stvr.1532).

### Book Chapters

- [7] 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](https://doi.org/10.1007/978-3-319-67425-4_5).
- [8] 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](https://doi.org/10.1007/978-3-319-26172-0_3).

### Refereed Conference Papers

- [9] Damien Jaime, Pascal Poizat, Joyce El Haddad, and Thomas Degueule. “Balancing the Quality and Cost of Updating Dependencies”. In: *39th IEEE/ACM International Conference on Automated Software Engineering, ASE 2024, Sacramento, CA, USA, October 27-November 1, 2024*. IEEE, 2024. url: <https://inria.hal.science/hal-04684254>.
- [10] 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](https://doi.org/10.1145/3643916.3644404).
- [11] 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](https://doi.org/10.1145/3643916.3644415).
- [12] 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*. IEEE, 2023.
- [13] 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](https://doi.org/10.1109/SANER56733.2023.00092).

- [14] 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](https://doi.org/10.1109/ICSE-NIER55298.2022.9793524).
- [15] 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](https://doi.org/10.1109/ICSE.2019.00109).
- [16] 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*. Distinguished Artifact Award. Boston, MA, USA: ACM, 2018, pp. 47–59. doi: [10.1145/3276604.3276622](https://doi.org/10.1145/3276604.3276622).
- [17] 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](https://doi.org/10.1145/3196398.3196416).
- [18] 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](https://doi.org/10.1145/3276604.3276611).
- [19] 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](https://doi.org/10.1109/MODELS.2017.23).
- [20] 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](https://doi.org/10.1145/2814251.2814252).
- [21] 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](https://doi.org/10.1007/978-3-319-11617-4_1).

## Refereed Short Papers

- [22] 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](https://doi.org/10.1109/VL/HCC51201.2021.9576363).
- [23] 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. issn: 1619-1374. doi: [10.1007/s10270-019-00772-7](https://doi.org/10.1007/s10270-019-00772-7).
- [24] 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*. Distinguished Paper Award. Boston, MA, USA: ACM, 2018, pp. 215–219. doi: [10.1145/3276604.3276623](https://doi.org/10.1145/3276604.3276623).
- [25] Erwan Bousse, Thomas Degueule, Didier Vojtisek, Tanja Mayerhofer, Julien Deantoni, and Benoit Combemale. “Execution Framework of the GEMOC Studio (Tool Demo)”. 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](https://doi.org/10.1145/2997364.2997384).
- [26] 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](https://doi.org/10.1145/2791060.2791097).



## Refereed Workshop Papers

- [27] 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.
- [28] 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.
- [29] 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](https://doi.org/10.1145/2846696.2846697).
- [30] 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

- [31] 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

- [32] Inria DiverSE Team. *The Melange Language Workbench*. Version 0.2.1. Jan. 11, 2018. URL: <http://melange-lang.org>.
- [33] 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>.
- [34] Thomas Degueule. *Interoperability and Composition of DSLs with Melange*. Tech. rep. Submission to the ACM Student Research Competition Grand Finals. Inria, 2016.
- [35] Thomas Degueule. “Génération automatique de modèles de test pour les transformations de modèles en exploitant l’analyse de mutation”. In French. MA thesis. University of Nantes, 2013.

## Datasets & Artefacts

- [36] Damien Jaime, Pascal Poizat, Joyce El Haddad, and Thomas Degueule. *ASE’24: Balancing the Quality and Cost of Updating Dependencies*. Version 1.0.0. Aug. 2024. doi: [10.5281/zenodo.13285362](https://doi.org/10.5281/zenodo.13285362). URL: <https://doi.org/10.5281/zenodo.13285362>.
- [37] 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](https://doi.org/10.5281/zenodo.10522473).
- [38] 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](https://doi.org/10.5281/zenodo.10571867).
- [39] 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](https://doi.org/10.5281/zenodo.8167588).
- [40] 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](https://doi.org/10.5281/zenodo.7341456).
- [41] 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](https://doi.org/10.5281/zenodo.7475823).
- [42] 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](https://doi.org/10.5281/zenodo.5221840).