

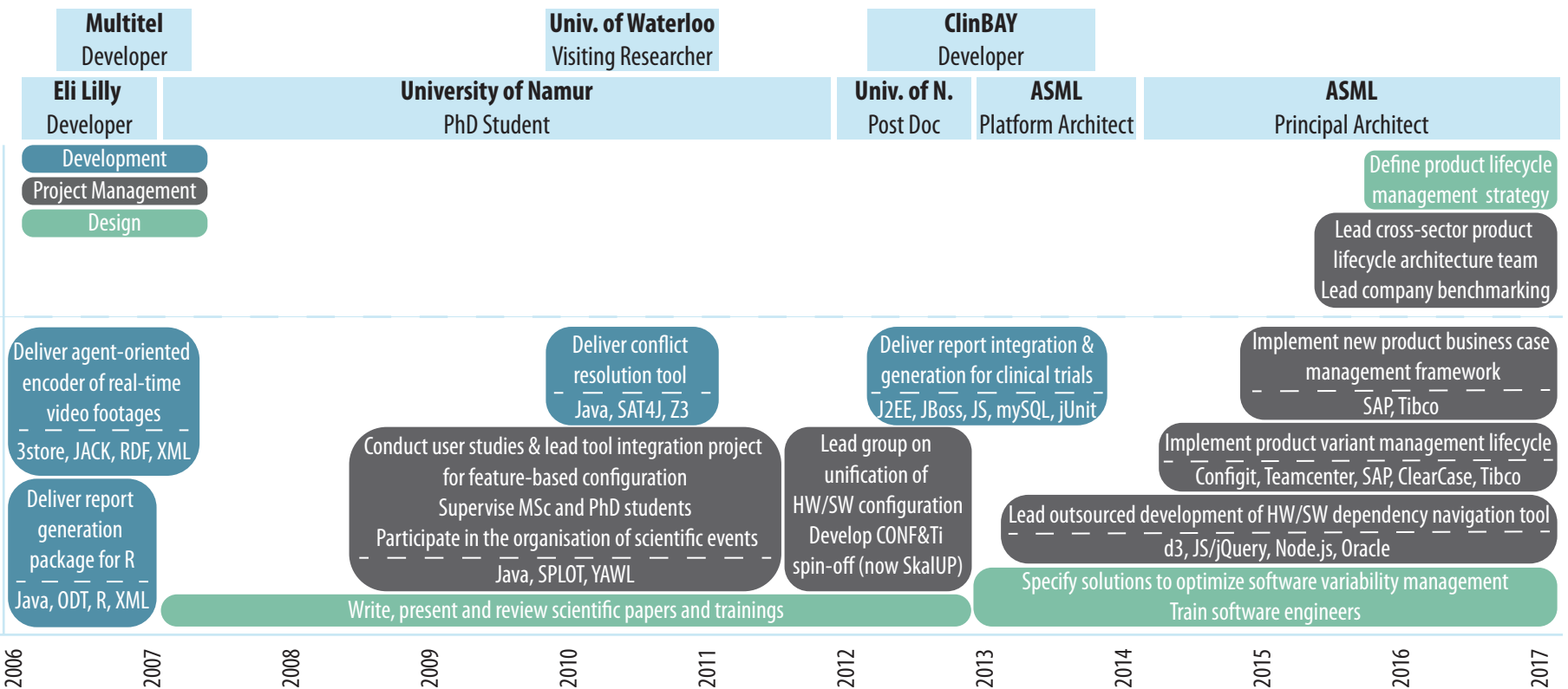
# Arnaud

# Hubaux, PhD

## INSPIRES TO DELIVER. DELIVERS TO INSPIRE.

My approach is simple: Identify what inspires people to solve a problem or develop a product, capture what customers expect from it, and energize the team to deliver it. I believe that *fail fast, early and often* is the only path to disrupt the status quo and deliver groundbreaking solutions.

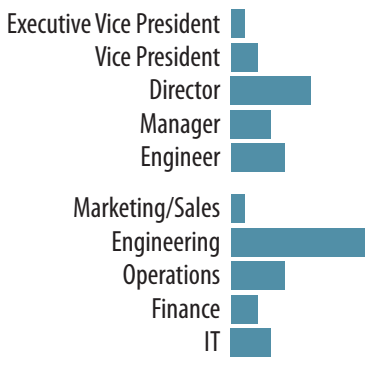
### WORK HISTORY



### INDUSTRY EXPERIENCE



### STAKEHOLDER DEMOGRAPHY



### AWARDS

MoVES Most Promising Young Researcher Award ★  
 Excellence Scholarship IN.WALLONIE-Brussels International ★

### EDUCATION

PhD Software Engineering, University of Namur ▲  
 Requirements Engineering Foundation, International Requirements Engineering Board ▲  
 Technical Talent Program, ASML (high potential young engineers) ▲  
 CM2 Professional & Software, Institute of Process Excellence (IpX) ▲  
 Leadership Capability Program, ASML (corporate leaders) ▲

**HOW DO I KEEP ON REINVENTING MYSELF?** The value of a team comes from the singularity of its individuals. To nurture my own, I practice activities that take me out of my comfort zone physically, intellectually, and emotionally.

<b>West Coast Swing</b> Communicate with people only through body language and learn about my own	<b>Storytelling</b> Engage visually and emotionally the people with whom I share stories	<b>Mixed Martial Art</b> Roll with the punches and no matter how hard I'm hit or stressed, always keep a cool head	<b>Photography</b> Isolate the essential. Capture it. Share it
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## Do you need more evidence of my presentation and writing skills?

Check out the list below and let me know if you need a copy.

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### PRESENTATIONS

#### KEYNOTES

1. **Should variant management be a core business process?**, Institute of Process Excellence's 30th Annual Symposium (Orlando, FL, USA) 2017.
2. **CM@ASML: From outside in to inside out**, Institute of Configuration Management's 29th Annual CMII/IPE Symposium (Las Vegas, NV, USA) 2016.
3. **Foundations of Variability Management**, INCOSE monthly meeting (Dutch Chapter) (Eindhoven, The Netherlands), 2014.
4. **What research in software product line engineering is not solving in configuration**, 18th Software Product Line Conference (SPLC'14) (Florence, Italy), 2014.
5. **What research in software product line engineering is not solving in configuration**, 5th Software Product Line Day, Sorbonne (Paris, France), 2013.
6. **Workflow-driven product derivation**, 1st Workshop on Product Line Requirements Engineering and Quality (PLREQ'10) (Essen, Germany), 2010

#### INTERNATIONAL CONFERENCES AND WORKSHOPS

7. **An introduction to conflict resolution with range fixes in software configuration (invited talk)**, 23rd CREST Open Workshop, University College London (London, UK), 2012.
8. **Unifying software and product configuration: A research roadmap**, Configuration Workshop (ConfWS'12) collocated with ECAI'12 (Montpellier, France), 2012.
9. **Towards more reliable configurators: A re-engineering perspective**, Workshop on Product Line Approaches in Software Engineering (PLEASE'12) (Zurich, Switzerland), 2012.
10. **A survey of configuration challenges in linux and ecos**, 6th International Workshop on Variability Modelling of Software-intensive Systems (VaMoS'12) (Leipzig, Germany), 2012.
11. **Towards multi-view feature-based configuration**, 16th International Working Conference on Requirements Engineering: Foundation for Software Quality (REFSQ'10) (Essen, Germany), 2010.
12. **A preliminary review on the application of feature diagrams in practice**, 4th International Workshop on Variability Modelling of Software-intensive Systems (VaMoS'10) (Linz, Austria), 2010.
13. **Taking care of cooperation when evolving socially embedded systems: The plonemeeting case**, Workshop on Cooperative and Human Aspects of Software Engineering (CHASE'09), collocated with ICSE'09 (Vancouver, BC, Canada), 2009.
14. **On the evaluation and improvement of feature-based configuration techniques in software product lines**, 31st International Conference on Software Engineering (ICSE'09), Companion Volume, Doctoral Symposium (Vancouver, BC, Canada), 2009.
15. **A formal semantics for multi-level staged configuration**, 3rd International Workshop on Variability Modelling of Software-intensive Systems (VaMoS'09) (Sevilla, Spain), 2009.
16. **Formal modelling of feature configuration workflow**, 13th International Software Product Lines Conference (SPLC'09) (San Francisco, CA, USA), 2009.
17. **Combining Context-Oriented Programming and Feature Diagrams: Towards a Position Statement**, 1st Workshop on Context-Oriented Programming (COP'09) (Blankenberge, Belgium), 2009.
18. **A Formal Semantics for Multi-level Staged Configuration**, 7th BELgian-NEtherlands software eVOLution workshop (BENEVOL'08) (Eindhoven, The Netherlands), 2008.
19. **Variability modelling challenges from the trenches of an open source product line re-engineering project**, 12th International Software Product Line Conference (SPLC'08) (Limerick, Ireland), 2008.
20. **Modelling variability in self-adaptive systems: Towards a research agenda**, 1st International Workshop on Modularization, Composition, and Generative Techniques for Product Line Engineering (McGPLE08) (Nashville, USA), 2008.
21. **Separating variability concerns in a product line re-engineering project**, International workshop on Early Aspects (EA'08) collocated with AOSD'08 (Brussels, Belgium), 2008.

#### SEMINARS HELD AT UNIVERSITIES

22. **Software and product configuration: One wheel is enough**, UCL, Department of Computing Science and Engineering (Louvain-la-Neuve, Belgium), December 2012.

23. **Software and product configuration: One wheel is enough**, TU Dortmund, Department of Computer Science (Dortmund, Germany), July 2012.
24. **Software and product configuration: One wheel is enough**, Centre de Recherche en Informatique de Lens (Lens, France), June 2012.
25. **Theory of diagnosis: Foundations, extension, application**, University of Waterloo (ON, Canada), May 2011.
26. **Taming the configuration space: A divide and conquer approach**, University of Toronto (ON, Canada), February 2011.
27. **Taming the configuration space: A divide and conquer approach**, University of Waterloo (ON, Canada), October 2010.
28. **A formal semantics for multi-level staged configuration**, University of Luxembourg (Luxembourg), November 2008.
29. **A formal semantics for multi-level staged configuration**, University of Namur (Belgium), November 2009.
30. **Formal modelling of feature configuration workflows**, University of Namur (Belgium), November 2009.
31. **Software product lines engineering and feature modelling in a nutshell**, Vrije Universiteit Brussels (Belgium), November 2008.

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## SELECTED PEER-REVIEWED PUBLICATIONS

### BOOK CHAPTER

1. A. Hubaux, M. Acher, T. T. Tun, P. Heymans, P. Collet, P. Lahire, **Concerns in Feature Models: Retrospective and Multi-View Support** in I. P. Reinhartz-Berger, A. Sturm, T. Clark, J. Bettin, S. Cohen (Eds.), **Domain Engineering: Product Lines, Conceptual Models, and Languages Separating**, Springer, 2013, pp. 3–28.

### JOURNALS

2. Y. Xiong, H. Zhang, A. Hubaux, S. She, J. Wang, and K. Czarnecki, **Range Fixes: Interactive Error Resolution for Software Configuration**, *Transactions on Software Engineering (TSE)*, IEEE, 2014.
3. A. Hubaux, T. T. Tun, P. Heymans, **Separation of concerns in feature diagram languages: A systematic survey**, *ACM Computing Surveys*, ACM, 2013, 45, 4, Article 51, pp. 1–23.
4. A. Hubaux, P. Heymans, P.-Y. Schobbens, D. Deridder, and E. Abbasi **Supporting multiple perspectives in feature-based configuration**, *Software and Systems Modeling (SoSyM)*, Springer Berlin / Heidelberg, 2011, pp. 1–23.

### CONFERENCES

5. E. Abbasi, A. Hubaux, M. Acher, Q. Boucher, P. Heymans, **The Anatomy of a sales configurator: An empirical study of 111 cases**, *Proceedings of the 25th International Conference on Advanced Information Systems Engineering (CAISE'13)* (Valencia, Spain), Springer-Verlag, pp. 162–177.
6. Y. Xiong, A. Hubaux, S. She, K. Czarnecki, **Generating range fixes for software configuration**, *Proceedings of the 34th International Conference on Software Engineering (ICSE'12)* (Zurich, Switzerland), IEEE Computer Society, 2012, pp. 58–68.
7. E. Abbasi, A. Hubaux, P. Heymans, P., **A toolset for feature-based configuration workflows**, *Proceedings of the 15th International Software Product Lines Conference (SPLC'11)* (Munich, Germany), IEEE Computer Society, 2011, pp. 65–69.
8. A. Hubaux, Q. Boucher, H. Hartmann, R. Michel, and P. Heymans, **Evaluating a textual feature modelling language: Four industrial case studies**, *Proceedings of the 3rd International Conference on Software Language Engineering (SLE'10)* (Eindhoven, The Netherlands), vol. 6563, Springer Berlin / Heidelberg, 2010, pp. 337–356.
9. A. Hubaux, P. Heymans, P.-Y. Schobbens, and D. Deridder, **Towards multi-view feature-based configuration**, *Proceedings of the 16th International Working Conference on Requirements Engineering: Foundation for Software Quality (REFSQ'10)* (Essen, Germany), Springer-Verlag, 2010, pp. 106–112.
10. A. Hubaux, A. Classen, and P. Heymans, **Formal modelling of feature configuration workflow**, *Proceedings of the 13th International Software Product Lines Conference (SPLC'09)* (San Francisco, CA, USA), Carnegie Mellon University, 2009, pp. 221–230.
11. T. T. Tun, Q. Boucher, A. Classen, A. Hubaux, and P. Heymans, **Relating requirements and feature configurations: A systematic approach**, *Proceedings of the 13th International Software Product Lines Conference (SPLC'09)* (San Francisco, CA, USA), ACM Press, 2009, pp. 201–210.
12. A. Hubaux, P. Heymans, and D. Benavides, **Variability modelling challenges from the trenches of an open source product line re-engineering project**, *Proceedings of the 12th International Software Product Line Conference (SPLC'08)* (Limerick, Ireland), IEEE Computer Society, 2008, pp. 55–64.

## WORKSHOPS

13. A. Hubaux; D. Jannach; C. Drescher; L. Murta; T. Mannisto; K. Czarnecki; P. Heymans; T. Nguyen, and M. Zanker **Unifying software and product configuration: A research roadmap** Proceedings of the Workshop on Configuration (ConfWS'12), 2012, pp. 31-35.
14. Q. Boucher, E. Abbasi, A. Hubaux, G. Perrouin, M. Acher and P. Heymans, **Towards more reliable configurators: A re-engineering perspective**, Proceedings of the International Workshop on Product Line Approaches in Software Engineering (PLEASE'12) (Zurich, Switzerland), IEEE Computer Society, 2012, pp. 29–32.
15. R. Michel, A. Hubaux, V. Ganesh, and P. Heymans, **An SMT-based approach to automated configuration**, Proceedings of the 10th International Workshop on Satisfiability Modulo Theories (SMT'12) (Manchester, UK), 2012, pp. 107–117.
16. A. Hubaux, Y. Xiong, and K. Czarnecki, **A survey of configuration challenges in linux and ecos**, Proceedings of the Sixth International Workshop on Variability Modelling of Software-intensive Systems (VaMoS'12) (Leipzig, Germany), ACM Press, 2012, pp. 149–155.
17. R. Michel, A. Classen, A. Hubaux, and Q. Boucher, **A formal semantics for feature cardinalities in feature diagrams**, Proceedings of the 5th International Workshop on Variability Modelling of Software-intensive Systems (VaMoS'11) (Namur, Belgium), ACM Press, 2011, pp. 82–89.
18. A. Hubaux, E. Abbasi, A. Classen, and P. Heymans, **Workflow-driven product derivation (invited talk)**, Proceedings of the 1st Workshop on Product Line Requirements Engineering and Quality (PLREQ'10) (Essen, Germany), 2010, pp. 39–41.
19. A. Hubaux, A. Classen, M. Mendonça, and P. Heymans, **A preliminary review on the application of feature diagrams in practice**, Proceedings of the 4th International Workshop on Variability Modelling of Software-intensive Systems (VaMoS'10) (Linz, Austria), Universität Duisburg-Essen, 2010, pp. 53–59.
20. A. Hubaux and P. Heymans, **On the evaluation and improvement of feature-based configuration techniques in software product lines**, Proceeding of the 31st International Conference on Software Engineering (ICSE'09), Companion Volume, Doctoral Symposium (Vancouver, BC, Canada), IEEE, 2009, pp. 367–370.
21. H. Unphon, Y. Dittrich, and A. Hubaux, **Taking care of cooperation when evolving socially embedded systems: The plonemeeting case**, Proceedings of the Workshop on Cooperative and Human Aspects of Software Engineering (CHASE'09), collocated with ICSE'09 (Vancouver, BC, Canada), IEEE Computer Society, 2009, pp. 96–103.
22. A. Classen, A. Hubaux, and P. Heymans, **A formal semantics for multi-level staged configuration**, Proceedings of the 3rd International Workshop on Variability Modelling of Software-intensive Systems (VaMoS'09) (Sevilla, Spain), University of Duisburg-Essen, 2009, pp. 51–60.
23. A. Classen, A. Hubaux, F. Sanen, E. Truyen, J. Vallejos, P. Costanza, W. De Meuter, P. Heymans, and W. Joosen, **Modelling variability in self-adaptive systems: Towards a research agenda**, 1st International Workshop on Modularization, Composition, and Generative Techniques for Product Line Engineering (McGPLE08) (Nashville, USA), 2008.
24. A. Classen, R. Laney, T. T. Tun, P. Heymans, and A. Hubaux, **Using the event calculus to reason about problem diagrams**, Proceedings of the Third International Workshop on Applications and Advances in Problem Frames (IWAAPP'08), (Leipzig, Germany), ACM Press, 2008, pp. 74–77.

## TOOL DEMOS AND POSTERS

25. E. Abbasi, A. Hubaux, and P. Heymans, **An interactive multi-perspective toolset for non-linear product configuration processes (tool demo)**, Proceedings of the 15th International Software Product Lines Conference (SPLC'11) (Munich, Germany), IEEE Computer Society, 2011, pp. 50–50.
26. A. Classen, A. Hubaux, and P. Heymans, **Analysis of feature configuration workflows (poster)**, Proceedings of the 17th International Requirements Engineering Conference (RE'09) (Atlanta, Georgia, USA), IEEE, 2009.