

Benoit COMBEMALE

Professor, University of Toulouse (UT2J)
Mathematics and Computer Science Dep., IRIT Lab.

Born in November 12, 1981
French, Married
2 children

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Short Biography

Since September 2017, Benoit Combemale is Full Professor of Software Engineering in the Department of Mathematics and Computer Science of the University of Toulouse - Jean Jaurès (UT2J), France. He is evolving within the research team SM@RT of the Research Institute in Computer Science of Toulouse (IRIT). Prof. Combemale is interested in software engineering, including model driven software engineering (MDE), software language engineering (SLE) and software validation & verification (V&V); mostly in the context of (smart) cyber-physical systems and Internet of things. He is also teaching object-oriented programming, software and systems modeling, MDE, SLE and V&V in the department and worldwide in various engineering schools and universities. Since September 2018, Prof. Combemale is also Research Scientist at Inria, evolving within the research team DiverSE.

Before joining University of Toulouse, Benoit Combemale was an Associate Professor at University of Rennes 1 (2009-2017), evolving within the research team DiverSE (formerly Triskell), joint to the IRISA and Inria labs, and teaching in the engineering school ESIR. During this period, he has been on secondment at Inria (Rennes), as Research Computer Scientist in the DiverSE research team, from 2013 to 2016. In 2016, he has been a visiting professor (3 months) at McGill University (Canada), in the group of Prof. Jörg Kienzle, and from 2010 to 2015, he has been a regular visiting researcher at the Computer Science Department of Colorado State University (USA), in the group of Prof. Robert B. France. Prior to that, he was a postdoctoral fellow at INRIA within the team AtlanMod (2008-2009), and a PhD candidate from 2005 to 2008 within the teams ACADIE and MACAO of the IRIT lab. He was also a teacher assistant at the IUT B de Blagnac (2004-2005) and at the INPT ENSEEIHT school of engineering (2005-2008). Benoit Combemale used to teach in various engineering schools, such as INSA Toulouse (2006-2009), INSA Rennes (2009-2012), CentraleSupélec (2012-2016) and ENSAI (2012-2016).

In 2015, Benoit Combemale received his Habilitation in Computer Science (in French *Habilitation à Diriger des Recherches*) from University of Rennes 1. He earned a PhD in Computer Science in 2008 from University of Toulouse, awarded by the prize Leopold Escande. He graduated as M.Sc. in Computer Science in 2005 from University of Toulouse.

Prof. Benoit Combemale co-authored 3 books, and 100+ journal and conference publications in the fields of MDE, SLE and V&V. He also edited 2 books, and various special issues in scientific journals. He is a member of the Steering Committee of the SLE conference, and the Editorial Boards of the international journals SoSyM (Springer), COMLAN (Elsevier), and SCP (Elsevier). He has been the program co-chair of SLE 2014, and general co-chair of MODELS 2016 and SLE 2017. He also used to serve as program committee member for various conferences and workshops in software engineering. Prof. Combemale is also very active in setting up and participating to satellite events of flagship conferences, including organizing workshops and panels. He coordinated and participated to many collaborative projects, either directly with industry or in projects funded by the European Union or the French government. He is also a founding member of the GEMOC initiative, an international effort to develop techniques, frameworks, and environments to facilitate the creation, integration, and automated processing of heterogeneous modeling languages. He is a member of the ACM, the IEEE and the IEEE Computer Society.

Education

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- | | |
|------|--|
| 2015 | HDR (<i>Habilitation à Diriger des Recherches</i>) in Computer Science
<i>Title: "Towards Language-Oriented Modeling"</i>
<i>Reviewers: Franck Barbier, Lionel Briand, Betty H.C. Cheng and Oscar Nierstrasz</i>
<i>Examiners: Peter Mosses, Joerg Kienzle, Benoit Baudry and Jean-Marc Jézéquel</i>
IRISA and Inria Rennes labs. (DiverSE team) - Université of Rennes 1, France |
| 2008 | PhD in Computer Science (Awarded with the Leopold Escande Prize 2008)
<i>PhD Thesis title: "A Metamodeling Approach for Model Simulation and Verification"</i>
<i>Reviewers: Jean Bézivin and Pierre-Alain Muller</i>
<i>Examiners: Antoine Beugnard, François Vernadat, Bernard Coulette and Xavier Crégut</i>
<i>Invited member: Patrick Farail</i>
IRIT Laboratory (ACADIE team) - University of Toulouse, France |
| 2005 | M. Sc. in "Software Safety and High Performance Computing"
INPT ENSEEIHT & Université Paul Sabatier, Toulouse, France
<i>Master Thesis title: "Specification and Verification of Software Process Models"</i>
GRIMM Laboratory (ISYCOM team) - Université le Mirail, Toulouse, France |
| 2004 | IUP "New IT for Enterprise" (Awarded with the title "Ingénieur Maitre")
Université le Mirail, Toulouse, France <i>First Class Honors</i>
<i>Apprenticeship with the company SNC INEO SCLE Ferroviaire, Toulouse (31)</i> |
| 2002 | B. Sc. in Computer Science (DUT "Informatique")
IUT B de Blagnac, Université le Mirail, Toulouse, France <i>First Class Honors</i>
<i>Internship (4 months) : SCLE, Toulouse, France</i> |

Academic and Industrial Positions

Since 2018	Research Scientist Inria (France) Researcher in the DIVERSE team (IRISA & Inria labs).
Since 2017	Full Professor University of Toulouse Jean-Jaurès (France) Researcher in the SM@RT team (IRIT lab). Teacher in the Maths & Computer Science Dep. (UT2J) Bonus for scientific excellence (<i>Prime d'excellence scientifique</i>) since 2017
2009 – 2017	Associate Professor University of Rennes 1 (France) Researcher in the DIVERSE team (IRISA & Inria labs). Teacher in the Engineering School ESIR Bonus for scientific excellence (<i>Prime d'excellence scientifique</i>) 2013–2017
2013 – 2016	Research Scientist Inria (France) On leave from the University as full-time researcher in the DIVERSE team (IRISA & Inria labs).
2010 – 2015	Regular Visiting Researcher Colorado State University (USA) <i>Group of the Prof. Robert B. France</i>
2012 – 2014	Teaching Assistant (vacataire) Supélec Rennes (France) <i>Model Driven Engineering</i>
2011 – 2014	Teaching Assistant (vacataire) ENSAI (France) <i>Software Modeling and testing</i>
2009 – 2011	Teaching Assistant (vacataire) INSA Rennes (France) <i>Model Driven Engineering</i>
2009 – 2010	Teaching Assistant (vacataire) University of Toulouse 2 (France) <i>Model Driven Engineering</i>
2008 – 2009	Research Assistant (post-doctoral position) Inria, AtlanMod team (France) Inria's Grant
2006 – 2010	Teaching Assistant (vacataire) INSA Toulouse (France) <i>Model Driven Engineering</i>
2007 and 2008	(International Cooperation) Teaching Assistant in Master University Yaoundé I, Cameroun <i>Life cycles of Software Development, OCL, Metamodeling, and Model Transformation</i>
2005 – 2008	Teaching Assistant (moniteur) INPT ENSEEIHT, Toulouse (France) <i>Model Driven Engineering, OOP, Algorithmic, Systems</i>
2004 – 2005	Teaching Assistant (vacataire) IUT B, Computer Science Department, Blagnac (France). <i>Internet, GUI</i>
Sep. 02 – Jun. 04	Project Manager in Apprenticeship SNC INEO SCLE Ferroviaire, Toulouse (France) <i>Project manager for a unified software platform with secure access through Internet</i>
Apr. 02 – Aug. 02	Software Engineer SA SCLE, Toulouse (France) <i>Requirement elicitation, design, development, test and deployment of software applications</i>

Invited Workshops and Schools

2018 5d.	Modeling for Sustainability <i>Dagstuhl Seminar #18351</i>
2018 6d.	2nd Workshop on Modular DSL Development <i>Bellairs Research Institute of McGill</i>
2017 5d.	SLEBOK: The Software Language Engineering Body of Knowledge <i>Dagstuhl Seminar #17342</i>
2017 6d.	1st Workshop on Modular DSL Development <i>Bellairs Research Institute of McGill</i>
2016 5d.	Engineering Academic Software <i>Dagstuhl Seminar #16252</i>
2016 6d.	1st Modelling For Sustainability Workshop <i>Bellairs Research Institute of McGill</i>
2015 6d.	1st Concern-Oriented Reuse (CORE) Workshop <i>Bellairs Research Institute of McGill</i>
2014 5d.	Model Driven Development for Distributed Real-time Embedded Systems <i>Brest - France</i>
2014 5d.	Globalizing Domain-Specific Languages <i>Dagstuhl Seminar #14412</i>
2014 6d.	1st Modeling Outside the Box (MOTB) Workshop <i>Bellairs Research Institute of McGill</i>
2013 5d.	Meta-Modeling Model-Based Engineering Tools <i>Dagstuhl Seminar #13182</i>
2013 6d.	5th Aspect Oriented Modelling Workshop <i>Bellairs Research Institute of McGill</i>
2012 6d.	4th Aspect Oriented Modelling Workshop <i>Bellairs Research Institute of McGill</i>
2011 6d.	Computer Automated Multi-Paradigm Modelling <i>Bellairs Research Institute of McGill</i>
2008 3d.	Perspectives Workshop: Model Engineering of Complex Systems <i>Dagstuhl - Allemagne</i>
2006 5d.	Model Driven Development for Distributed Real-time Embedded Systems <i>Brest - France</i>
2006 15d.	Ecole de Jeunes Chercheurs en Programmation (EJCP'06) <i>Luchon, Toulouse - France</i>
2005 3d.	Training on the Eclipse Environment <i>Valtech Training Toulouse - France</i>
2005 – 2008 30d.	Teaching Training (<i>Centre d'Initiation a l'Enseignement Supérieur – CIES</i>).

Research Projects

GLOSE (2017-2020)	GLOBALIZATION in Systems Engineering (Principal Investigator) <i>Bilateral collaboration with Safran</i>
ALE (2017-2019)	Agile Language Engineering (Principal Investigator) <i>Inria associate team with the SWAT team at CWI</i>
FAMILY (2016-2019)	DSL Families for Packet Filtering Policy (Principal Investigator) <i>Grant from the French Pôle d'Excellence Cyber</i>
CLARITY (2014-2017)	Ecosystème pour la plateforme d'ingénierie système Melody <i>LEOC Project http://clarity-se.org/</i>
MPM4CPS (2014-2018)	Multi-Paradigm Modelling for Cyber-Physical Systems (Management Committee) <i>EU COST Action http://www.cost.eu/ict</i>
GEMOC (2012-2016)	A Generic Framework for Model Execution and Dynamic Analysis (Project Coordinator) <i>ANR Project, Program INS http://www.gemoc.org/ins</i>
DIVERSIFY (2013-2016)	Explore Ecological Diversity for New Software Design Principles <i>FP7 Project, FET http://diversify-project.eu</i>
CYBERDEFENCE (2014-2016)	Formal DSL design and implementation (Co-Principal Investigator) <i>French Defense Procurement Agency (DGA)</i>
MBSAR (2013-2015)	Model-Based Security Analysis at Runtime (Principal Investigator) <i>CNRS Project, Program PICS http://www.gemoc.org/mbsar</i>
VARYMDE (2011-2015)	Variability in Model Driven Engineering (Co-Principal Investigator) <i>Bilateral collaboration with Thales Research & Technology</i>
RELATE (2011-2014)	Engineering and provisioning of service-based Cloud applications <i>European Project FP7 Marie Curie ITN http://www.relate-itn.eu/</i>
AS GEMOC (2011)	Survey on Heterogeneous Modeling (Principal Investigator) <i>CNRS Specific Action from GDR GPL http://www.gemoc.org/as2011</i>
OPEES (2009-2012)	Open Platform for the Engineering of Embedded Systems <i>European Project ITEA2 http://www.opees.org/</i>
PODMDE (2011)	MDE and Model Composition Application (Principal Investigator) <i>Bilateral collaboration with Pod Programming</i>
UCSAALS (2009)	User-Centric Safe Adaption of Assisted Living Systems <i>Scientific Project of the University of Rennes 1</i>
TOPCASED (2005-2009)	Toolkit in Open source for Critical Applications & SysTEms Development <i>DGCIS, FUI Project http://www.topcased.org</i>

PhD Students

2017–...	Fabien Coulon <i>Web-based DSL Development</i> <i>Co-supervised with Olivier Barais (CIFRE convention with Obeo)</i>
2016–...	Manuel Leduc <i>Modular DSL Development</i> <i>Co-supervised with Olivier Barais and Gurvan LeGuernic (Family project)</i>
2016–...	Dorian Leroy <i>Whitebox testing of model transformation</i> <i>Co-supervised with Manuel Wimmer at TU Wien (Tetrabox project)</i>
2015–2017	Marcelino Rodriguez Cancio <i>Adaptable Software Languages</i> <i>Co-supervised with Benoit Baudry and Olivier Barais (Clarity project)</i>
2013–2016	David Mendez-Acuna <i>Modeling Language Variability</i> <i>Co-supervised with Benoit Baudry (Marie Curie ITN Relate)</i>
2013–2016	Thomas Degueule <i>DSL Composition and Interoperability</i> <i>Co-supervised with Olivier Barais and Arnaud Blouin (Merge project)</i>
2012–2015	Erwan Bousse <i>Combination of V&V Techniques in System Engineering</i> <i>Co-supervised with Benoit Baudry (grant from the French government)</i>
2010–2014	Emmanuelle Rouillé <i>Gestion de la variabilité et automatisation des processus de développement</i> <i>Co-supervised with Jean-Marc Jézéquel and Olivier Barais (CIFRE convention with Sodifrance)</i>
2010–2013	Clément Guy <i>Facilités de typage pour l'ingénierie des langages</i> <i>Co-supervised with Jean-Marc Jézéquel and Steven Derrien (grant from the French government)</i>

Master Students

- 2018 **Unpredictable Languages** *Pierre Jeanjean* Research Master (6 months)
ENSEEIH, Toulouse, France.
- 2015 **Metamorphic DSL** *Pierre Legall* Research Master (6 months)
UR1, Rennes, France. Co-supervised with Mathieu Acher
Live Modeling *Stéphane Mangin* M. Sc (6 months)
University of Rennes 1, France. Co-supervised with Mathieu Acher
- 2012 **Requirements management led by formal verification** *Erwan Bousse* Research Master (6 months)
UR1, Rennes, France. Co-supervised with Benoit Baudry et David Mentré (Mitsubishi)
- 2011 **Formal and tool-supported operator for multi-formalism modelling** *Jonathan Marchand*
Research Master (6 months) *UR1, Rennes, France. Co-supervised with Benoit Baudry*
- 2010 **Coping with Modular Modelling in fUML** *André Fonseca* Research Master (6 months)
UR1, Rennes, France. Co-supervised with Jean-Marc Jézéquel
- 2009 **Advanced Techniques for Model Handling in the Eclipse Platform** *Cauê Avila Clasen*
Engineering School (6 months) *UFSC, Brésil. Co-supervised with Frédéric Jouault*
- 2008 **MDE and Ladder Validation and Verification** *Darlam Bender* Engineering School (6 months)
UFSC, Brésil. Co-supervised with Xavier Crégut
- 2007 **Model Validation and Simulation in Up2UML and TOPCASED** *Youssef Dkiouak*
Engineering School (6 months) *ENSIAS, Maroc. Co-supervised with Xavier Crégut*
Modeling of the TOPCASED Quality Process *Jean-Noël Guyot* B. Sc (4 months)
Université Paul Sabatier, Toulouse, France. Co-supervised with Xavier Crégut et Angel Garcia)
A GMF-based SPEM Model Editor *Boris Libert* B. Sc (4 mois)
IUP NTIE, Université le Mirail, Toulouse, France. Co-supervised with Xavier Crégut et Angel Garcia
A Simplified TOPCASED Model Simulator *Vincent Gaillaud* Engineering School (9 mois)
CNAM Toulouse, France. Co-supervised with Xavier Crégut
Instantiation Management for the Simulation of UML State Machines *Christophe Bez*
M. Sc. (4 months) *INPT ENSEEIH, France. Co-supervised with Xavier Crégut*

Invited Talks, Keynotes and Seminars

- 2017 **Model Simulation, Graphical Animation, and Omniscient Debugging with Sirius Animator.**
Talk at SiriusCon'17, FR (09/11/17).
Modeling For Sustainability - Or How to Make Smart CPS Smarter?
Invited talk at CWI, NL (03/11/17).
Sound, yet Flexible, Modeling: A Language Engineering Point Of View
Keynote at FlexMDE'17, US (18/09/17).
Towards Language-Oriented Modeling
Invited talk at UQAM, CA (03/05/17).
From Model (driven) Engineering, to Language (driven) Engineering
Invited talk at CEA-DAM (12/01/15).
- 2016 **Modeling for Sustainability**
Invited talk at Lancaster University (05/12/16).
Dynamic Validation & Verification in Language-Oriented Modeling
Keynote at MoDeVVA 2016 (03/10/16).
Towards Language-Oriented Modeling
Invited talk at RWTH Aachen University (11/07/16).
Modeling for Smart Cyber-Physical Systems
Talk at CPS days (26/01/16).
- 2015 **A Journey Through MDE, DSL and SLE**
Talk at JDEV 2015 (02/07/15).
Breathe Life into Your Designer!
Talk at EclipseCon Europe 2015 (05/11/15) and EclipseCon France 2015 (25/06/15).
Modeling for Sustainability
Invited talk at INRA (19/06/15).
On the Globalization of Modeling Languages
Invited talk at IRT Saint Exupery (08/06/15).
From Model (driven) Engineering, to Language (driven) Engineering
Invited talk at McGill (17/04/15).
- 2014 **From Model (driven) Engineering, to Language (driven) Engineering**
Invited talk at University of Namur (16/12/14).
The Role of (Software) Languages in the Socio-Technical Coordination
Invited talk at the 2nd Workshop on TowArds the Model DrIveN Organization (AMINO 2014).
MDE and SLE: From Theory to Practice
Invited talk at the MDE Day of DevLog (27/10/14).
- 2013 **Modeling, Composition and Simulation of Heterogeneous Models**
Invited talk at the MDE Day of DevLog (18/10/13).
On the Globalization of Modeling Languages
Invited keynote at Neptune 2013 (22/05/13).
On Modeling and Testing When Unpredictability Becomes a Pattern
Keynote speaker at CIEL 2013 (02/04/13).
On the Globalization of Modeling Languages
Colorado State University, USA (20/02/13).
On Language Composability
Workshops AOM at Bellairs (09/02/13).
Model-Driven Engineering for Software Language Engineering
Università degli Studi di Milano, Italy (16/01/13).
- 2012 **Formally Defining and Iterating Infinite Models**
68NQRT Seminar at IRISA/Inria Rennes, France (25/10/12).
Model Driven Engineering for Software Language Engineering
Universidade Federal do Paraná, Brazil (12/07/12).
Mashup of Meta-Languages: Building Modular and Efficient DSML
Workshops AOM and CAMPaM at Bellairs (30/04/12).
- 2011 **Executable Metamodeling for Model V&V**
Kings College London (10/06/11).
- 2010 **Hyper-Agility: A Model-Driven Software Agility from Design-Time to Run-Time**
Agile Tour Rennes 2010 (07/10/10).
Executable Metamodeling for Model V&V
Colorado State University, USA (25/05/10).

Invited Talks (PhD)

- 2009 **A Formal Metamodeling Approach – Application to Model V&V**
LAAS CNRS (Toulouse, 13/02/09), LISI (Poitiers, 26/03/09), and LIP6 (Paris, 05/05/09).
A Formal Metamodeling Approach – Application to Model V&V and Autonomous Systems
Inria Rennes (21/01/09) and Inria Lille (13/03/09).
- 2008 **Metamodeling Approach for Model Simulation** *CEA-List at Saclay (19/09/08).*
Model Verification and Simulation using Model Transformation *MDE Training at EMN (18/06/08).*
- 2007 **Execution Semantics & MDE, Application to the Process Engineering** *INRIA-ATLAS (03/01/07).*
A Framework to Formalise the MDE Foundations *IRIT-UTM (06/06/07).*
Presentation of the Research Work *Action IDM. Paris, 21/05/07.*
- 2006 **SPEM 1.1 vs. SPEM 2.0** *Topcased-WP1 (19/06/06).*

Scientific and Administrative Services

- **Editorial Board:** Elsevier's Intl Journals Computer Languages, Systems and Structures (COMLAN) and Science of Computer Programming (SCP, *Advisory Board of the Software Section*), and the Springer's Intl Journal on Software and Systems Modeling (SoSyM).
- **Steering Committee:** International Conference on *Software Language Engineering* (2014-).
- **General co-chair** for MODELS 2016 and SLE 2017
- **Program co-chair** for SLE 2014
- **Co-organizer of the Dagstuhl Seminar 17342** on "SLEBOK: The Software Language Engineering Body of Knowledge"
- **Co-organizer of the Dagstuhl Seminar 14412** on "Globalizing Domain-Specific Languages"
- **Program Committees**
 - Journals: TSI, special issues on MDE
 - Conferences: MODELS'17, ICMT (17-12), ECMFA (16-11), SLE'15, Tutorials@MODELS'15, SEFM (15, 13-12), ICSSP'15, APSEC (14-11), QSIC'13, ITSLE'11, IDM'11, INFORSID'11 (SI/MDE)
 - Workshops: MiSE@ICSE (17-15), LaMod@Modularity'16, MoMo@Modularity'16, EXE@MODELS'15, MPM (15-14), VOLT@ICST (14-13), CSP@WETICE (14-12), EduSymp'13, AMT (13-12), CMA@MODELS'13, CMA@RE'13, PMDE'12, FML'10, SafeModel'10, SéMo'08, SéMo'07, MP'07.
- **External reviewer**
 - Journals: Transactions on Software Engineering (IEEE), SoSym (Springer), Survey (ACM), L'objet (Lavoisier),
 - Conferences and workshops: MoDELS'14, ICSE'13, MoDELS'13, MoDELS'12, MoDELS'11, INDIN'11, MoDELS'10, CBSE'10, Notere'09.
- **Organizing Committees**
 - *Panel co-chair* @ MODELS 2015, Canada
 - *Co-chair* of the workshop on the *Globalization of Modeling Languages (GEMOC 2015)* @ MODELS 2015, Ottawa, Canada
 - *Co-chair* of the workshop on the *Next Generation of Modularity Approaches for Multiple Dimensions of Sustainability (Sustainability 2015)* @ Modularity 2015, Fort Collins, USA
 - *Program co-chair* of the summer school MDD4DRES'14, France
 - *Demonstration co-chair* @ MODELS 2014, Spain
 - *Co-chair* of the workshop on the *Globalization of Modeling Languages (GEMOC 2014)* @ MODELS 2014, Valencia, Spain
 - *Co-chair* of the workshop on the *Globalization of Modeling Languages (GEMOC 2013)* @ MODELS 2013, Miami, USA
 - *Co-chair* of the workshop on the *Globalization of Domain Specific Languages (GlobalDSL 2013)* @ ECOOP, ECMFA, ECSA 2013, Montpellier, France

- *Co-chair* of the 8th International Educators' Symposium @ MoDELS 2012 (EduSymp 2012), Innsbruck, Austria
- **Founder of the series of workshops** SéMo, on modeling language semantics, and GEMOC, on the globalization of modeling languages
- *Sponsorship chair* of AOSD'10 (St Malo, Fr), and GDR-GPL'12 & CIEL'12 (Rennes, Fr)
- *Localization chair* of SLE'08 (Toulouse, Fr)
- Member of the organizing committee of the conferences, workshops and summer schools MDD4DRES'14, AOSD'10 (St Malo, Fr), SafeModel@IDM'10 (Pau, Fr), MtATL'09 (Nantes, Fr), SéMo'08 (Mulhouse, Fr), LMO'07, IDM'07 and SéMo'07 (Toulouse, Fr).
- **Coordinator of the international GEMOC initiative** (cf. <http://www.gemoc.org>), that coordinate research partners worldwide to develop breakthrough software language engineering approaches that support global software engineering through the use of multiple domain-specific languages.
- **PhD Committees (in addition to my PhD students)**
 - Blazo Nastov, Univ. Montpellier (November 2016), Reviewer
 - Florent Latombe, Univ Toulouse (June 2016), Examiner
 - Andreas Wortmann, Aachen University, Germany (June 2016), Reviewer
 - Matias Ezequiel Vara Larsen, Univ Nice (April 2016), Examiner
 - Paola Vallejo: University of Brest, Lab-STICC (December 15th, 2015), Examiner
 - Faiez Zalila: University of Toulouse, IRIT (December 9th, 2014), Examiner
 - Jean-Christophe Bach: Loria, Nancy (September 12th, 2014), Examiner
 - Moussa Amrani: Univ. Luxembourg (November 5th, 2013), Examiner
 - Laurent Wouters: LIP6, Paris (January 18th, 2013), Examiner
 - Robert Guduvan: ONERA, Toulouse (April 18th, 2013), Examiner
 - Mounira Kezadri: University of Toulouse, IRIT (July 11th, 2013), Examiner
- **National and International Expertises**
 - French Organisation for Industrial PhD scholarships (CIFRE),
 - Netherlands Organisation for Scientific Research (NWO),
 - Portuguese Foundation for Science and Technology (FCT).
- **Workgroup Participation**
 - Member of the GDR GPL, cf. <http://gdr-gpl.imag.fr/>,
 - Member of the Action IDM, cf. <http://www.actionidm.org>,
 - Member of the SysML France association, cf. <http://www.sysml-france.fr/>.
- **Other industrial dissemination**
 - Organization at Inria of a workshop about MDE for industry (Inria 5.7), Inria, May, 2012
 - Participation to the Inria Industry Days for the EPI TRISKELL/DiverSE, 2010, 2015
 - Co-Organizer with MEITO of a workshop on software modularity and agility for industry, ESIR, March, 2010

References

— Journals and Book Chapters —

International

- [J1] Erwan Bousse, Dorian Leroy, Benoît Combemale, Manuel Wimmer, and Benoit Baudry. Omniscient debugging for executable dsls. *Journal of Systems and Software*, 137:261–288, 2018.
- [J2] Thomas Degueule, Benoît Combemale, Arnaud Blouin, Olivier Barais, and Jean-Marc Jézéquel. Safe model polymorphism for flexible modeling. *Computer Languages, Systems & Structures*, 49:176–195, 2017.
- [J3] Alice Allen, Cecilia R. Aragon, Christoph Becker, Jeffrey Carver, Andrei Chis, Benoît Combemale, Mike Croucher, Kevin Crowston, Daniel Garijo, Ashish Gehani, Carole A. Goble, Robert Haines, Robert Hirschfeld, James Howison, Kathryn D. Huff, Caroline Jay, Daniel S. Katz, Claude Kirchner, Katie Kuksenok, Ralf Lämmel, Oscar Nierstrasz, Matthew Turk, Rob van Nieuwpoort, Matthew Vaughn, and Jurgen J. Vinju. Engineering academic software (dagstuhl perspectives workshop 16252). *Dagstuhl Manifestos*, 6(1):1–20, 2017.
- [J4] 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. *Computer Languages, Systems and Structures*, September 2016.
- [J5] Mounira Kezadri, Marc Pantel, Xavier Thirioux, and Benoit Combemale. Correct-by-construction model driven engineering composition operators. *Formal Aspects of Computing*, 28(3), January 2016.
- [J6] Betty H.C. Cheng, Benoit Combemale, Robert B. France, Jean-Marc Jézéquel, and Bernhard Rumpe. On the Globalization of Domain-Specific Languages. In *Globalizing Domain-Specific Languages*, volume 9400 of *LNCS*. Springer International Publishing, 2015.
- [J7] Tony Clark, Mark Van Den Brand, Benoit Combemale, and Bernhard Rumpe. Conceptual Model of the Globalization for Domain-Specific Languages. In Benoit Combemale, Betty H.C. Cheng, Robert B. France, Jean-Marc Jézéquel, and Bernhard Rumpe, editors, *Globalizing Domain-Specific Languages*, volume 9400 of *Lecture Notes in Computer Science*, pages 7–20. Springer International Publishing, 2015.
- [J8] Wuliang Sun, Benoit Combemale, Robert B. France, Arnaud Blouin, Benoit Baudry, and Indrakshi Ray. Using Slicing to Improve the Performance of Model Invariant Checking. *Journal of Object Technology*, page 28, 2015.
- [J9] Juan José Cadavid, Benoît Combemale, and Benoit Baudry. An analysis of metamodeling practices for MOF and OCL. *Computer Languages, Systems & Structures*, 41:42–65, 2015.
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