Benoit COMBEMALE

Full Professor, University of Rennes 1 (UR1) IRISA and Inria Labs, Engineering School ESIR

Inria, Campus de Beaulieu, F-35042 Rennes Cedex Phone: (+33/0)2 99 84 25 68 – Mob.: (+33/0)6 86 94 26 07

benoit@combemale.fr
http://www.combemale.fr

Born in November 12, 1981 French, Married 2 children

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Short Biography

Since September 2020, Benoit Combemale is Full Professor of Software Engineering at the University of Rennes 1. He is evolving within the engineering school ESIR, and the research team DiverSE joint to the IRISA and Inria labs. Prof. Combemale is interested in software engineering, including model driven software engineering (MDE), software language engineering (SLE), software validation & verification (V&V) and DevOps; mostly in the context of (smart) cyber-physical systems and Internet of things. He is also teaching software and systems modeling, MDE, SLE, V&V and DevOps 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 Rennes 1, Benoit Combemale was a Full Professor of Software Engineering in the Department of Mathematics and Computer Science at the University of Toulouse (2017-2020). He was evolving within the research team SM@RT of the Research Institute in Computer Science of Toulouse (IRIT). He was also a Research Scientist at Inria (2018-2020), evolving in the research team DiverSE joint to the IRISA and Inria labs. Prior to that, Prof. Combemale was an Associate Professor at University of Rennes 1 (2009-2017), evolving within the research team DiverSE (formerly Triskell), and teaching in the engineering school ESIR. During this period, he has been on secondment at Inria (2013-2016), as Research Scientist in the DiverSE research team. In 2016, Prof. Combemale been a visiting professor at McGill University (Canada), in the group of Prof. Jörg Kienzle, and from 2010 to 2015, he has been a regular visiting researcher at 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 IUT de Blagnac (2004-2005) and the engineering school INPT ENSEEIHT (2005-2008). Benoit Combemale used to teach in various engineering schools, such as INSA Toulouse (2006-2009), INSA Rennes (2009-2012), CentraleSupelec (2012-2016) and ENSAI (2012-2016).

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

Prof. Benoit Combemale co-authored 3 books, and 150+ 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 Deputy Editor-in-Chief of the JOT Journal, chair of the Steering Committee of the ACM SIGPLAN SLE conference, and a member of the Steering Committee of the MLE workshop series. He is also a member of the Editorial Boards of the international journals SoSyM (Springer), SQL (Springer), COLA (Elsevier), and SCP (Elsevier). He has been the program co-chair of SLE 2014, ECMFA 2019 and ICT4S 2020, and general co-chair of MODELS 2016 and SLE 2017. He also used to serve as program committee member for various top-level conferences and workshops in software engineering (incl., MODELS, SEFM, ECMFA, ICMT...). 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 in 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

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

Academic and Industrial Positions

Since 2020	Full Professor University of Rennes 1 (France)
	Researcher in the DIVERSE team (IRISA & Inria labs). Teacher in the Engineering School ESIR
	Bonus for scientific excellence (Prime d'excellence scientifique) since 2020
2017 - 2020	Full Professor University of Toulouse Jean-Jaurès (France)
	Researcher in the SM@RT team (IRIT lab). Teacher in the Maths & Computer Science Dep. (UT2
	Bonus for scientific excellence (Prime d'excellence scientifique) since 2017
2018 - 2020	Research Scientist Inria (France)
	Part-time secondment (demi-délégation) as researcher in the DIVERSE team (IRISA & Inria labs).
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 (Prime d'excellence scientifique) 2013–2017
2013 - 2016	Research Scientist Inria (France)
	On leave (détachement) as full-time researcher in the DIVERSE team (IRISA & Inria labs).
2010 - 2015	Regular Visiting Researcher Colorado State University (USA)
	Group of the Prof. Robert B. France
2012 - 2014	Teaching Assistant (vacataire) Supélec Rennes (France) Model Driven Engineering
2011 - 2014	Teaching Assistant (vacataire) ENSAI (France) Software Modeling and testing
2009 - 2011	Teaching Assistant (vacataire) INSA Rennes (France) Model Driven Engineering
2009 - 2010	Teaching Assistant (vacataire) University of Toulouse 2 (France) Model Driven Engineering
2008 - 2009	Research Assistant (post-doctoral position) Inria, AtlanMod team (France) Inria's Grant
2006 - 2010	Teaching Assistant (vacataire) INSA Toulouse (France) Model Driven Engineering
2007 and 2008	(International Cooperation) Teaching Assistant in Master University Yaoundé I, Cameroun
	Life cycles of Software Development, OCL, Metamodeling, and Model Transformation
2005 - 2008	Teaching Assistant (moniteur) INPT ENSEEIHT, Toulouse (France)
	Model Driven Engineering, OOP, Algorithmic, Systems
2004 - 2005	Teaching Assistant (vacataire) IUT B, Computer Science Department, Blagnac (France).
	Internet, GUI
Sep. 02 – Jun. 04	Project Manager in Apprenticeship SNC INEO SCLE Ferroviaire, Toulouse (France)
	Project manager for a unified software platform with secure access through Internet
Apr. 02 – Aug. 02	Software Engineer SA SCLE, Toulouse (France)
	Requirement elicitation, design, development, test and deployment of software applications

Invited Workshops and Schools

2020 5d.	Static Methods for Correctness of Model and Program Transformations Dagstuhl Seminar #20131				
2020 6d.	2nd Workshop on Data and Models Bellairs Research Institute of McGill				
2020 5d.	2nd Winter Modelling Meeting San Vigilio di Marebbe (Italy)				
2019 5d.	Composing Model-Based Analysis Tools Dagstuhl Seminar #19481				
2019 6d.	1st Workshop on Data and Models Bellairs Research Institute of McGill				
2018 5d.	Modeling for Sustainability Dagstuhl Seminar #18351				
2018 6d.	2nd Workshop on Modular DSL Development Bellairs Research Institute of McGill				
2018 5d.	1st Winter Modelling Meeting San Vigilio di Marebbe (Italy)				
2017 5d.	SLEBOK: The Software Language Engineering Body of Knowledge Dagstuhl Seminar #17342				
2017 6d.	1st Workshop on Modular DSL Development Bellairs Research Institute of McGill				
2016 5d.	Engineering Academic Software Dagstuhl Seminar #16252				
2016 6d.	1st Modelling For Sustainability Workshop Bellairs Research Institute of McGill				
2015 6d.	1st Concern-Oriented Reuse (CORE) Workshop Bellairs Research Institute of McGill				
2014 5d.	Model Driven Development for Distributed Real-time Embedded Systems Brest - France				
2014 5d.	Globalizing Domain-Specific Languages Dagstuhl Seminar #14412				
2014 6d.	1st Modeling Outside the Box (MOTB) Workshop Bellairs Research Institute of McGill				
2013 5d.	Meta-Modeling Model-Based Engineering Tools Dagstuhl Seminar #13182				
2013 6d.	5th Aspect Oriented Modelling Workshop Bellairs Research Institute of McGill				
2012 6d.	4th Aspect Oriented Modelling Workshop Bellairs Research Institute of McGill				
2011 6d.	Computer Automated Multi-Paradigm Modelling Bellairs Research Institute of McGill				
2008 3d.	Perspectives Workshop: Model Engineering of Complex Systems Dagstuhl - Allemagne				
2006 5d.	Model Driven Development for Distributed Real-time Embedded Systems Brest - France				
2006 15d.	Ecole de Jeunes Chercheurs en Programmation (EJCP'06) Luchon, Toulouse - France				
2005 3d.	Training on the Eclipse Environment Valtech Training Toulouse - France				
2005 - 2008 30d.	Teaching Training (Centre d'Initiation a l'Enseignement Supérieur – CIES).				

Research Projects

UCSAALS (2009)

TOPCASED (2005-2009)

DEBUG4SCIENCE (2020-2022) **Debugging facilities for Scientific Computing (Principal Investigator)** Bilateral collaboration with CEA-DAM FORMALDSL (2019-2022) Formal and Executable Specification of DSL Families (Principal Investigator) Grant from the French Ministry of Armed Forces Agile Language Engineering (Principal Investigator) ALE (2017-2022) Inria associate team with the SWAT team at CWI GLOSE (2017-2020) **GLObalization in Systems Engineering (Principal Investigator for CNRS)** Bilateral collaboration with Safran DSL Families for Packet Filtering Policy (Principal Investigator) FAMILY (2016-2019) Grant from the French Pôle d'Excellence Cyber Ecosysteme pour la plateforme d'ingenierie systeme Melody CLARITY (2014-2017) LEOC Project http://clarity-se.org/ Multi-Paradigm Modelling for Cyber-Physical Systems (Management Committee) MPM4CPS (2014-2018) EU COST Action http://www.cost.eu/ict A Generic Framework for Model Execution and Dynamic Analysis (Project Coordinator) GEMOC (2012-2016) ANR Project, Program INS http://www.gemoc.org/ins DIVERSIFY (2013-2016) **Explore Ecological Diversity for New Software Design Principles** FP7 Project, FET http://diversify-project.eu Formal DSL design and implementation (Co-Principal Investigator) CYBERDEFENCE (2014-2016) French Defense Procurement Agency (DGA) Model-Based Security Analysis at Runtime (Principal Investigator) MBSAR (2013-2015) CNRS Project, Program PICS http://www.gemoc.org/mbsar Variability in Model Driven Engineering (Co-Principal Investigator) VARYMDE (2011-2015) Bilateral collaboration with Thales Research & Technology RELATE (2011-2014) Engineering and provisioning of service-based Cloud applications European Project FP7 Marie Curie ITN http://www.relate-itn.eu/ **Survey on Heterogeneous Modeling (Principal Investigator)** AS GEMOC (2011) CNRS Specific Action from GDR GPL http://www.gemoc.org/as2011 OPEES (2009-2012) **Open Platform for the Engineering of Embedded Systems** European Project ITEA2 http://www.opees.org/ PODMDE (2011) **MDE** and Model Composition Application (Principal Investigator) Bilateral collaboration with Pod Programming

User-Centric Safe Adaption of Assisted Living Systems

DGCIS, FUI Project http://www.topcased.org

Toolkit in OPen source for Critical Applications & SystEms Development

Scientific Project of the University of Rennes 1

PhD Students

2020	Gwendal Jouneaux Self-Adaptable Language
	Co-supervised with Olivier Barais and Gunter Mussbacher (grant from the French government)
2019	Emmanuel Chebbi Formal DSL Reuse
	Co-supervised with Gurvan Leguernic (grant from DGA and Brittany Council)
2018	June Benvegnu-Sallou DSL for Scientific Computing
	Co-supervised with Johann Bourcier (grant from Univ. Rennes 1)
2018	Pierre Jeanjean Unpredictable Languages
	Co-supervised with Olivier Barais and Djamel Eddine Khelladi (GLOSE project)
2017	Fabien Coulon Web-based DSL Development
	Co-supervised with Olivier Barais (CIFRE convention with Obeo)
2016-2020	Dorian Leroy Whitebox testing of model treansformation
	Co-supervised with Manuel Wimmer at TU Wien (Tetrabox project)
2016-2019	Manuel Leduc Modular DSL Development
	Co-supervised with Olivier Barais and Gurvan LeGuernic (Family project)
2015-2017	Marcelino Rodriguez Cancio Adaptable Software Languages
	Co-supervised with Benoit Baudry and Olivier Barais (Clarity project)
2013–2016	David Mendez-Acuna Modeling Language Variability
	Co-supervised with Benoit Baudry (Marie Curie ITN Relate)
2013–2016	Thomas Degueule DSL Composition and Interoperability
	Co-supervised with Olivier Barais and Arnaud Blouin (Merge project)
2012–2015	Erwan Bousse Combination of V&V Techniques in System Engineering
	Co-supervised with Benoit Baudry (grant from the French government)
2010–2014	Emmanuelle Rouillé Gestion de la variabilité et automatisation des processus de développement
	Co-supervised with Jean-Marc Jézéquel and Olivier Barais (CIFRE convention with Sodifrance)
2010–2013	Clément Guy Facilités de typage pour l'ingénierie des langages
	Co-supervised with Jean-Marc Jézéquel and Steven Derrien (grant from the French government)

Master Students

2021	From Monolithic to Microservice Architecture: The Case of Extensible and Domain-Specific IDEs
	Romain Belafia Research Master 2 (6 months)
	UR1, Rennes, France.
2020	Self-Adaptable Virtual Machines Gwendal Jouneaux Research Master 2 (6 months)
	UR1, Rennes, France.
	Integration of third party models in CoSApp and co-simulation Janice Conquet Stage de Master
	(6 months) TU Eindhoven, The Netherlands.
2019	Self-Adaptable Languages Gwendal Jouneaux Research Master 1 (6 months)
	UR1, Rennes, France.
2018	Unpredictable Languages Pierre Jeanjean Research Master (6 months)
	ENSEEIHT, 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
•0.40	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 ENSEEIHT, France. Co-supervised with Xavier Crégut

Invited Talks, Keynotes and Seminars

2019 Smart Modeling: On the Convergence of Scientific and Engineering Models Invited talk at Lancaster university, UK (14/11/19). Bringing Intelligence to Sociotechnical IoT Systems: Modeling Opportunities and Challenges Keynote at MDDE4IoT'19, DE (15/09/19). **Breathe Life Into Your IDE** Talk at LangDev'19, NL (22/03/19). 2018 Model Execution: Past, Present and Future Keynote at EXE'18, DK (14/10/18). Modeling For Sustainability - Or How to Make Smart CPS Smarter? Keynote at Models@run.time'18, DK (14/10/18), and invited talk at TU Wien, AT (15/05/18). **Execution Framework of the GEMOC Studio** Talk at LangDev'18, NL (08/03/18). 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). Modeling, Composition and Simulation of Heterogeneous Models 2013 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).

Invited Talks, Keynotes and Seminars (contd)

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).
Executable Metamodeling for Model V&V
Kings College London (10/06/11).
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).
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).
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)
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.
SPEM 1.1 vs. SPEM 2.0 Topcased-WP1 (19/06/06).

Scientific and Administrative Services

- Deputy Editor in Chief of The JOT Journal.
- Editorial Board: Elsevier's Intl Journals Computer Languages (COLA) and Science of Computer Programming (SCP, *Advisory Board of the Software Section*), the Springer's Intl Journals on Software and Systems Modeling (SoSyM) and Software Quality (SQJ).
- Steering Committee: ACM SIGPLAN Intl. Conference on Software Language Engineering (member since 2014, chair since 2018), International Workshop on *Modeling Language Engineering* (member since 2019).
- General co-chair for MODELS 2016 and SLE 2017
- Program co-chair for SLE 2014, ECMFA 2019 and ICT4S 2020
- Co-organizer of the Dagstuhl Seminar 17342 "SLEBOK: The Software Language Engineering Body of Knowledge"
- Co-organizer of the Dagstuhl Seminar 14412 "Globalizing Domain-Specific Languages"
- Program Board member for MODELS'18, MODELS'20 and MODELS'21
- Program Committees
 - Conferences: RE'21, ISEC'21, FDL'20, QUATIC'20, CBI (20, 18), MODELS'17, ICMT (19-12), ECMFA (21-20, 18, 16-11), SLE'15, Tutorials@MODELS'15, SEFM (15, 13-12), ICSSP'15, APSEC (14-11), QSIC'13, ITSLE'11, IDM'11, INFORSID'11
 - Workshops: DevOps4CPS-Testing@ICST'21, SRC @ MODELS'20, CoMoDiTy@ER'20, MoSC@STAF'20, Doctoral Symposium @ MODELS'19, PNSE (20-19), FlexMDE@MODELS'19, DevOps@MODELS'19, MLE@MODELS'19, DevOps'18, MiSE@ICSE (18-15), LaMod@Modularity'16, MoMo@Modularity'16, MDEbug@MODELS (18-17), EXE@MODELS (18-15), 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), Empirical Software Engineering (Springer), 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

- Finance chair @ ICPE 2021, France
- Tools & Demos co-chair @ MODELS 2020, Canada
- Industry day co-organizer @ MODELS 2018, Danemark
- Co-organizer of the session "Application of Advanced Software Engineering Tools and Methods in the Environmental Sciences" at CMWR'18
- 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 Future @ STAF 2020, Bergen, Norway
- Co-chair of the workshop on the Globalization of Modeling Languages (GEMOC) @ MODELS'18, Copenhagen, Danemark
- Co-chair of the workshop on the Globalization of Modeling Languages (GEMOC) @ MODELS'14, Valencia, Spain
- Co-chair of the workshop on the Globalization of Modeling Languages (GEMOC) @ MODELS'13, Miami, USA
- *Co-chair* of the workshop on the *Globalization of Domain Specific Languages (GlobalDSL)* @ 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
- Sponsorchip 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), chair of the corresponding Research Consortium at the Eclipse Foundation, and leader of the Eclipse project for the GEMOC Studio. GEMOC coordinates 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)

- Valentin Besnard, ENSTA Bretagne (December 2020), Reviewer
- Théo Zimmermann, Univ Paris (December 2019), Reviewer
- Stephanie Challita, Univ Lille 1 (December 2018), Reviewer
- Pablo Inostroza Valdera, Univ. Amsterdam & CWI (November 2018), The Netherlands
- Ulyana Tikhonova, TU/e (November 2017), The Netherlands, Reviewer
- Cyril Cecchinel, Univ. Nice (November 2017), Examiner
- 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

- Prime d'Investissement Recherche de l'UPMC,
- Conventions Industrielles de Formation par la Recherche (CIFRE),
- European Research Council (ERC)
- Engineering and Physical Sciences Research Council (EPSRC),
- 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 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

SUMMARY	International	French	Total
Book	1	2	3
Journal article	28	4	32
Book chapter	3	0	3
Conference paper	60	11	71
Tool demonstration	7	0	7
Workshop paper	30	4	34
Proceedings	10	0	10
Total	139	21	160

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