

BOUYER-DECITRE Patricia

Birth date : October 18, 1976

French citizenship
Two children (2010, 2013)

Affiliation : Laboratoire Méthodes Formelles
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POSITIONS

Since 2010 — Senior researcher at CNRS, in Formal Methods Lab (LMF),
Head of Formal Methods Lab, joint lab with Université Paris-Saclay, CNRS and
ENS Paris-Saclay, since Jan. 2021
Head of Spec. and Verification Lab (LSV), joint lab with ENS Cachan and CNRS
between Jan. and Dec. 2020
Vice-head of LSV from Jul. 2009 to Dec. 2019

2002 – 2010 — Junior researcher at CNRS

2007 — On leave at the University of Oxford (UK)

2002 — Post-doc at BRICS, Aalborg Universitaet (Denmark) in the « Distributed Systems and Semantics » team

EDUCATION

2009 — Habilitation diploma (Université Paris-Diderot), defended in January 12, 2009

Title : « From qualitative to quantitative analysis of timed systems »

University : Université Paris Diderot (Paris 7)

Jury Rajeev Alur (referee), Ahmed Bouajjani, Joost-Pieter Katoen (referee), Kim G. Larsen, Anca Muscholl (referee), Antoine Petit, Jean-François Raskin

1999 - 2002 — PhD thesis defended on April 5, 2002 *Title* : « Modèles et algorithmes pour la vérification des systèmes temporisés »

University : ENS Cachan

Jury : Claude Jard (referee), Kim G. Larsen (referee), Antoine Petit (PhD supervisor), Olivier Roux, Joseph Sifakis (referee), Pascal Weil

AWARDS

2018 — Best paper award at FM'18

2013 – 2019 — PI of ERC project EQualIS

2011 — Presburger Award (given by the EATCS)

2007 — Bronze medal (given by the CNRS)

- 2006 — Marie Curie fellowship for a one year stay at the University of Oxford
- 2003 — PhD thesis awarded by Specif, the French association of computer scientists

RESPONSABILITIES IN JOURNALS, CONFERENCES AND SCHOOLS

— Editorial Boards —

- *TheoretiCS* since 2021
- *Journal of Logical and Algebraic Methods in Programming*, 2014 – 2020
- *Acta Informatica* desince the end of 2014

— Program chairs —

- STACS'23 (40th International Symposium on Theoretical Aspects of Computer Science), March 2023 (forthcoming) : Track B co-chair with Anuj Dawar
- FoSSaCS'22 (25th International Conference on Foundations of Software Science and Computation Structures), Munich (Germany), April 2022 : co-chair with Lutz Schröder
- LICS'19 (34th ACM/IEEE Symposium on Logic in Computer Science), Vancouver (Canada), July 2019
- SR'18 (6th International Workshop on Strategic Reasoning), Oxford (Grande-Bretagne), July 2018 : co-chair with Nicolas Markey
- GandALF'17 (8th International Symposium on Games, Automata, Logics and Formal Verification), Rome (Italie), Sept. 2017 : co-chair with Pierluigi San Pietro
- FORMATS'06 (4th International Conference on Modelling and Analysis of Timed Systems), Paris, Sept. 2006 : co-chair with Eugene Asarin
- GDV'06 (3rd International Workshop on Games in Design and Verification), Seattle (États-Unis), August 2006 : co-chair with P. Madhusudan

— Member of 75 program committes of international conferences —

I only list below the main conferences, a more exhaustive list can be found at the following url :

http://www.lsv.fr/~bouyer/past_events.html.en

- | | |
|-----------------------------------|------------------|
| - LICS'17'15'12'11 | - MFCS'18'17'10 |
| - CONCUR'20'13'08'06 | - ICALP'20'13'10 |
| - CSL'23'17'15'09 | - FSTTCS'16 |
| - TACAS'19'16'15'11'08'05 | - STACS'09 |
| - FORMATS'20'18'17'11'08'07'05'04 | - FoSSaCS'10 |
| - QEST'10'09'08 | - HSCC'14 |

— Autres responsabilités —

- Member of the steering committee of ETAPS, 2021 – 2023
- Member of the steering committee of TIME, 2021 – 2024
- Elected member of the steering committee of the EATCS, 2017 – 2021
- Member of the steering committee of LICS, 2013 – 2022
- Workshop chair of LICS, 2012 – 2018

- Organisation of an invited session at the Highlights'17 conference
- Organisation chair of FORMATS'06
- Member of the organising committees of CAV'01 and CSL'01

INVITED TALKS

Many slides are available at the following url :

<http://www.lsv.fr/~bouyer/mes-exposes.html.en>

— **Invited talks at 35 international conferences or workshops** —

1. FSTTCS'22 (42nd IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science), Chennai (India), Dec. 2022
2. FoIKS'22 (12th International Symposium on Foundations of Information and Knowledge Systems), Helsinki, June 2022
3. CONCUR'21 (32nd International Conference on Concurrency Theory), online, Aug. 2021
4. Journées Nationales du GDR GPL, online, June 2021
5. Games workshop, affiliated with Highlights of Games, Logic and Automata, online, Nov. 2020
6. RP'20 (4th International Conference on Reachability Problems), online, Oct. 2020.
7. ATVA'19 (17th International Symposium on Automated Technology for Verification and Analysis), Taipei (Taiwan), Oct. 2019
8. TIME'19 (26th International Symposium on Temporal Representation and Reasoning), Málaga (Spain), Oct. 2019
9. KimFest (workshop pour les 60 ans de Kim G. Larsen), Aalborg (Denmark), Aug. 2017
10. MFCS'16 (41st International Symposium on Mathematical Foundations of Computer Science), Krakow (Poland), Aug. 2016
11. TRENDS'15 (6th IFIP WG 1.8 Workshop on Trends in Concurrency Theory), Madrid (Spain), Sept. 2015
12. NCMA'15 (7th Workshop on Non-Classical Models of Automata and Applications), Porto (Portugal), Aug. 2015
13. AutoMathA'15 (Jewels of Automata : from Mathematics to Applications), Leipzig (Germany), May 2015
14. Séminaire du Centre Fédéré en Vérification, Bruxelles (Belgium), March 2015
15. Séminaire QuantLA, Dresde (Germany), Jan. 2015
16. RP'13 (7th International workshop on Reachability Problems), Uppsala (Sweden), Sept. 2013
17. "LCCC Workshop on Formal Verification of Embedded Control Systems", Lund (Sweden), Apr. 2013
18. Journée "IFIP WG 2.2 (Formal Description of Programming Concepts)", Paris (France), Sept. 2011
19. GDR IM National days, Paris (France), Jan. 2011
20. WATA'10 (Weighted Automata : Theory and Applications), Leipzig (Germany), May 2010

21. MSR'09 (7ème colloque francophone sur la Modélisation des Systemes Réactifs), Nantes (France), Nov. 2009
22. QUANTLOG'09 (Workshop on Quantitative Logics), Rhodes (Greece), July 2009
23. Institut Farman days, Cachan (France), nov. 2008
24. ESF GAMES (Warsaw, Poland, Sept. 2008). Following that talk, I have been invited by Moshe Y. Vardi for writing an article in the journal « *Communication of the ACM* ».
25. TFIT'08 (4th Taiwanese-French Conference on Information Technology), Taipei (Taiwan), March 2008
26. M4M-5 (Methods for Modalities), Cachan (France), Nov. 2007
27. Workshop CORTOS, satellite de CONCUR'06, Bonn (Germany), Aug. 2006
28. MFPS XXII (22nd Conference on the Mathematical Foundations of Programming Semantics), Genova (Italy), May 2006
29. MSR'05 (5ème colloque francophone sur la Modélisation des Systemes Réactifs), Autrans (France), Sept. 2005
30. AVoCS'05 (5th International Workshop On Automated Verification Of Critical Systems), Warwick (UK), Sept. 2005
31. INFINITY'05, San Francisco (USA), Aug. 2005
32. GDV'05, Édimbourg (Scotland), July 2005
33. Journées Systèmes Infinis'05, Cachan (France), March 2005
34. Journée FAC'04, Toulouse (France), March 2004
35. Workshop on Automata, Concurrency and Logic, Chennai (Inde), Jan. 2003

— **Invited tutorials at 13 international conferences or schools** —

1. Tutorial (3h) at the Logic Colloquium, Stockholm (Suède), Aug. 2017
2. Tutorial (3h) at the spring school of the Labex Digicosme, Palaiseau (France), May 2016
3. Tutorial (2h) at the summer school of the EATCS, Telč, Czech Rep., July 2014
4. Tutorial (3h) at the summer school MOVEP'14 (Modélisation et Vérification des Processus Parallèles), Nantes (France), July 2014
5. Tutorial (1h30) at the spring school of AVACS (Automatic Verification and Analysis of Complex Systems), Oldenburg (Germany), March 2010
6. Tutorial (2h) at the spring school QMC (Quantitative Model Checking), Copenhagen (Denmark), March 2010
7. Tutorial (6h) at the summer school VTSA'09 (Verification Technology, Systems & Applications), Nancy (France), Oct 2009
8. Tutorial (1h30) at the summer school of the excellence network ARTIST2, Nässlingen (Suède), Sept. 2005
9. Tutorial (1h) at the École Temps-Réel, Nancy (France), Sept. 2005
10. Tutorial (2h30) at the spring school of the european project ESF GAMES, Bonn (Germany), March 2005
11. Tutorial (2h30) at the winter school MOVEP'04 (Modélisation et Vérification des Processus Parallèles), Brussels (Belgium), Dec. 2004

12. Tutorial (1h30) at the conference QEST'04 (1st International Conference on the Quantitative Evaluation of Systems), Twente (The Netherlands), Sept. 2004
13. Tutorial (3h) at the 32nd spring school of theoretical computer science, Luminy (France), Apr. 2004

TEACHING

- Since 2017, I teach for the agrégation of mathematics at the ENS Paris-Saclay.
- Since 2002, I regularly teach the Master course « Verification of timed systems ». I gave the course in effect from 2002 – 2003, 2003 – 2004, 2005 – 2006, 2008 – 2009, 2011 – 2012, 2012 – 2013, 2015 – 2016, 2017 – 2018, 2019 – 2020, 2021 – 2022
- During my PhD thesis, I taught at the ENS Cachan.

SUPERVISION

— **PhD students** — 10 PhD theses, which have been defended, and 3 are ongoing

1. Benjamin Bordais (thesis started in Sept. 2020). Supervised with Stéphane Le Roux (LMF).
2. Pierre Vandenhove (thesis started in Oct. 2019). Joint PhD thesis with UMONS (Belgium), supervised with Mickael Randour (F.R.S./FNRS, UMONS).
3. Nathan Thomasset (thesis started in Sept. 2019). Supervised with Stéphane Le Roux (LMF).
4. Anirban Majumdar (Sept. 2018 – Sept. 2022) *Verification and synthesis of parameterized concurrent systems*. Supervised with Nathalie Bertrand (IRISA).
 ↪ Anirban is a post-doc at ULB in the group of Jean-François Raskin.
5. Mauricio González (March 2016 – Nov. 2019). *Stochastic Games on Graphs with Applications to Smart-Grids Optimization*. Supervised with Nicolas Markey (IRISA) and Samson Lasaulce (L2S).
 ↪ Mauricio is a post-doc at L2S.
6. Samy Jaziri (Oct. 2015 – Sept. 2019). *Automata on Timed Structures*. Supervised with Nicolas Markey (IRISA).
 ↪ Samy is a teacher at IUT Orsay.
7. Pierre Carlier (2014 – 2017). *Verification of Stochastic Timed Automata*. Joint PhD with UMONS (Belgium), supervised with Thomas Brihaye.
 ↪ Pierre is a maths teacher in Mons.
8. Patrick Gardy (2013 – 2017). *Semantics of Strategy Logic*. Supervised by Nicolas Markey.
 ↪ Patrick is a post-doc at IRT Railenium.
9. Daniel Stan (2013 – 2017). *Randomized Strategies in Concurrent Games*. Supervised with Nicolas Markey.
 ↪ Daniel is a post-doc at TU Kaiserslautern (Germany).
10. Ocan Sankur (2010 – 2013). *Robustness in Timed Automata : Analysis, Synthesis, Implementation*. Supervised with Nicolas Markey.
 ↪ Ocan is a junior researcher at CNRS at l'IRISA (Rennes, France).

11. Romain Brenguier (2009 – 2012). *Nash Equilibria in Concurrent Games – Application to Timed Games*. Supervised with Nicolas Markey.
 ↪ Romain works at DiffBlue (Oxford, Grande-Bretagne).
12. Fabrice Chevalier (2004 – 2007) : *Logiques pour les systèmes temporisés : contrôle et expressivité*.
 ↪ Fabrice is a maths teacher.
13. Pierre-Alain Reynier (2004 – 2007) : *Vérification de systèmes temporisés et distribués : modèles, algorithmes et implémentabilité*. Supervised with François Laroussinie.
 ↪ Pierre-Alain is a Professor in Marseille.

— **Post-doctorants** —

1. Fabian Reiter (Jan. 2018 – Feb. 2019), supervised with Benedikt Bollig
 ↪ Fabian is assistant professor in Marne-la-Vallée.
2. Vincent Jugé (Feb. 2016 – Aug. 2017), supervised with Nicolas Markey
 ↪ Vincent is assistant professor in Marne-la-Vallée.
3. Maximilien Colange (Sept. 2015 – Aug. 2016), supervised with Nicolas Markey
 ↪ Maximilien is assistant professor at EPITA.
4. Mickael Randour (Oct. 2014 – Sept. 2015), supervised with Nicolas Markey
 ↪ Mickael is permanent researcher at FNRS (Belgium).
5. Raj Mohan M (May 2013 – Apr. 2015), supervised with Nicolas Markey
 ↪ Raj Mohan is a post-doc at Tata Institute of Fundamental Research (Mumbai, Inde).
6. Michael Ummels (Feb. 2010 – Jan. 2012), supervised with Nicolas Markey
 ↪ Michael works at the research center of “Deutsches Zentrum für Luft- und Raumfahrt (DLR)” in Germany.
7. Delphine Longuet (Sept. 2008 – Aug. 2009), supervised with Nicolas Markey
 ↪ Delphine is at Thales.
8. Thomas Brihaye (Oct. 2006 – Sept. 2007)
 ↪ Thomas is Professor at UMONS (Belgium).
9. Laura Bozzelli (Oct. 2005 – May 2006)
 ↪ Laura is a post-doc in Napoli (Italy).

— **Other interns** —

- PhD students from other universities : Simon Laursen (6 months – Aalborg, Denmark), Jörg Olschewski (6 months – RWTH Aachen, germany), Claus Thrane (6 months – Aalborg, Denmark), Vojtěch Forejt (5 months – Brno, Czech Rep.), Francesco Donnarumma (1 month – Napoli, Italy)
- Students from indian institutes (summer internships) : Bhargav N. Bhatt (IIT Kanpur), Sourabh Ghurye (IIT Bombay), Soumyajit Paul (CMI, Chennai), Harshal Mahajan (IIT Bombay), Kishor J (CMI, Chennai)
- Master students : Benjamin Bordais (2020), Nathan Thomasset, Samy Jaziri, Mauricio Gonzalez, Daniel Stan, Ocan Sankur, Romain Brenguier, Guylain Naves, Fabrice Chevalier, Pierre-Alain Reynier, Agnès Robin

- Younger students : Gabriel Renault

PROJECTS I AM/WAS INVOLVED IN

— International projects —

1. Participation to the French-Indian P2R Timed-DISCOVERI, 2005 – 2008

Webpage : <http://www.labri.fr/perso/weil/frindien/modiste.html>

— ERC project —

1. PI of the ERC project EQualIS, Jan. 2013 – Feb. 2019

Webpage : <http://www.lsv.fr/~bouyer/equalis/>

— Collaborative european projects —

1. Participation to the european CRP of the ESF GASICS (« *Games for Analysis and Synthesis of Interactive Computational Systems* »), 2008 – 2011

Webpage : <http://www.ulb.ac.be/di/gasics/>

2. Participation to the european project STREP QUASIMODO (« *Quantitative System Properties in Model-Driven Design of Embedded Systems* »), 2008 – 2011

Webpage : <http://www.quasimodo.aau.dk/>

3. Participation to the excellence network ARTIST2 (« *Embedded Systems Design* »), 2004 – 2008

Webpage : <http://www.artist-embedded.org/artist/>

4. Participation to the european project IST AMETIST (« *Advanced Methods for Timed Systems* »), 2002 – 2005

Webpage : <http://ametist.cs.utwente.nl/>

— Collaborative French projects —

1. Participation to the ANR MAVERiQ (Methods of Analysis for VERification of Quantitative properties), 2021 – 2025

Webpage : <http://www.irif.fr/~maveriq/>

2. Participation to the ANR Ticktac (Efficient Techniques and Tools for the Verification and Synthesis of Real-Time Systems), 2019 – 2023

Webpage : <http://www.irisa.fr/sumo/ticktac/>

3. Participation to the ANR ImpRo on implementability and robustness of timed systems, 2011 – 2014

Webpage : <http://anr-impro.irccyn.ec-nantes.fr>

4. Participation to the l'ARA SSIA DOTS (« *Distributed, Open and Timed Systems* »), 2006 – 2010

Webpage : <http://www.lsv.ens-cachan.fr/anr-dots/>

5. PI of ACI SI CORTOS (« *Control and Observation of Real-Time Open Systems* »), 2003 – 2006

Webpage : <http://www.lsv.ens-cachan.fr/aci-cortos/>

6. Participation to the ACI JC CHRONO (« *Tools and Algorithms for the verification of Hybrid Systems* »), 2001 – 2004
Webpage : <http://www.irccyn.fr/franck/aci-chrono/>
7. Local PI of the AS Automates, modèles distribués et temporisés (AS 93 du RTP 23), 2002 – 2003
Webpage : <http://www.labri.fr/perso/weil/ASSTIC/>
8. Participation to the RNRT CALIFE (« *Environnement pour la Preuve formelle et le Test d'Algorithmes utilisés en Télécommunication* »), 1999 – 2002
Webpage : <http://www.loria.fr/projets/calife/>

— **Projects at the ENS Cachan** —

1. Participation to the Institut Farman TOAST (« *Théorie des jeux, Outils de l'automatique, de l'Algorithmique et du Signal pour les Télécommunications* »), 2006 – 2009
Webpage : <http://www.lsv.ens-cachan.fr/~markey/TOAST/>
2. Participation to the plan pluri-formations VSMT (« *Vérification de Systèmes Multi-tâches Temps réel* »), 2002 – 2004
Webpage : <http://www.lsv.ens-cachan.fr/VSMT/>

STAYS ABROAD

- One year at the University of Oxford (UK) in 2007. I was the recipient of a Marie-Curie fellowship from the European Union.
- Ten months at Aalborg Universitaet (Denmark) in 2002.
- Several stays in India, at the Institute of Mathematical Science (Chennai), at the Indian Institute of Science (Bangalore) since 2003.
- Reguar stays at Aalborg Universitaet (Denmark) since 1997.

EXPERTISE WORKS

— **Referee for 11 PhD theses and 5 habilitations** —

1. Florent Koechlin (PhD thesis), Université Gustave Eiffel, Dec. 2020 (+ president of the jury)
2. Bao Ran (PhD thesis), Université de Nantes, May 2020
3. Arnaud Carayol (habilitation), Université Paris-Est Marne-la-Vallée, Dec. 2019
4. Mathias Ramparison (PhD thesis), Université Paris-Nord, Sept. 2019
5. Étienne André (habilitation), Université Paris-Nord, 2018
6. Martin Zimmermann (habilitation), Universität des Saarlandes (Germany), 2017
7. Rodica Bozianu Condurache (PhD thesis), Université de Créteil-Paris Est (France) & Université Libre de Bruxelles (Belgium), Dec. 2016
8. Shibashis Guha (PhD thesis), IIT Delhi (Inde), Dec. 2016
9. Blaise Genest (habilitation), Université de Rennes (France), March 2016
10. Jan Krčál (PhD thesis), Masaryk University, Brno (Czech Rep.), Dec. 2013
11. Didier Lime (habilitation), Université de Nantes (France), Dec. 2012

12. Raj Mohan M. (PhD thesis), Indian Institute of Science, Bangalore (India), Nov. 2012
13. B. Srivathsan (PhD thesis), Université Bordeaux 1 (France), June 2012
14. Karin Quaas (PhD thesis), Universität Leipzig (Germany), Jan. 2010
15. Vojtěch Forejt (PhD thesis), Masaryk University, Brno (Czech Rep.), Dec. 2009
16. P. Vijay Suman (PhD thesis), Tata Institute of Fundamental Research, Mumbai (India), 2009

— **Participation to 12 other jurys for PhD theses and 4 jurys for habilitations** —

Note : I do not mention the jurys of my own PhD students

1. Uli Fahrenberg (habilitation), Université Paris-Saclay, May 2022 (présidente)
2. Thomas Nowak (habilitation), Université Paris-Saclay, Jan. 2022 (présidente)
3. Igor Khmelnitsky (PhD thesis), Université Paris-Saclay, Jan. 2022 (présidente)
4. Pierre Ohlmann (PhD thesis), Université de Paris, Dec. 2020 (présidente)
5. Benoît Delahaye (habilitation), Université de Nantes, Dec. 2020
6. Raphaël Rieu-Helft (PhD thesis), Université Paris-Saclay, Nov. 2020
7. Marion Hallet (PhD thesis), Université de Mons (Belgium) and Université Libre de Bruxelles (Belgium), May (défense privée) et June (défense publique) 2020
8. Damien Busatto-Gaston (PhD thesis), Aix-Marseille Université, Dec. 2019
9. Quentin Hautem (PhD thesis), UMONS (Belgium), June 2018
10. Dogan Ulus (thèse), Université Joseph Fourier, Grenoble (France), Jan. 2018
11. Marie van den Bogaard (PhD thesis), Université Paris-Saclay (France), Nov. 2016
12. Amélie Stainer (PhD thesis), Université de Rennes (France), Nov. 2013
13. Peter Niebert (habilitation), Université de Provence, Marseille (France), Dec. 2011
14. Anders Hessel (PhD thesis), Université d’Uppsala (Suède), May 2007
15. Thomas Brihaye (PhD thesis), Université de Mons-Hainaut (Belgium), June 2006
16. Pritha Mahata (PhD thesis, Université d’Uppsala (Suède), March 2005

— **Other expertise works** —

- Numerous reports for conferences and journals like CAV, CONCUR, STACS, SCODES, DLT, JALC, TACAS, HSCC, IJFCS, APLAS, FSTTCS, IPL, FOSSACS, RTA, LICS, EXPRESS, FORMATS, FI, I&C, FMSD, TCS, FM, ICALP, PODC, ...
- Evaluation of projects for French, Dutch, Polish, Czech, English, Belgian, ... agencies
- Evaluation of ERC projects
- Evaluation of various French labs

OTHER RESPONSIBILITIES

— **Scientific responsibilities** —

- Member of the steering committee of MPRI since 2022 (Master in Theoretical Computer Science in Paris)
- Member of the steering committee of doctoral school 386 (Université Paris-Cité), 2022-2024
- Membre of scientific council of DIM RFSI, 2019 – 2022

- Member of the scientific council of the Fondation Sciences Mathématiques de Paris (FSMP), 2018 – 2019.
- Member of the committee which selects best theory papers at ETAPS, 2019 – 2021
- Membre du comité « Test-of-time Award » de CONCUR en 2020
- President of the jury of the Gilles Kahn Award, 2016 – 2018.
Member of this jury in 2014 and 2015
- Elected member of the CNRS, 2012 – 2016
- Elected member of the scientific council of ENS Cachan, 2005 – 2008
- Member of the search committee for the editor-in-chief for the journal ToCL (*ACM Transactions on Computational Logic*) in 2015 (we selected Orna Kupferman)
- Member of the hiring committee for junior researchers at Inria Rennes Bretagne Atlantique, 2009
- Member of the hiring committees in various universities : Université de Paris (Professor 2021), ENSIMAG (Professor 2021), Université Paris-Nord (Professor 2020), Université Paris-Est-Créteil (Assistant Professor 2020), Université de Paris-Est Marne-la-Vallée (Professor 2019, Assistant Professor 2022), Université Paris-Diderot (Professor 2018), Université Paris-Sud (Assistant Professor 2018 ; Professor 2019), ENS Paris-Saclay (Assistant Professor 2018, Professor 2020, Professor 2022), Université Paris 7 (Assistant Professor 2009), Université Joseph Fourier (Assistant Professor, 2010), Université de Provence (Assistant Professor 2010 and 2015), Member of the « commission de spécialistes » at Université Paris 7 and ENS Cachan (2004 – 2008)

— **Administrative duties** —

- Head of Formal Methods Lab (LMF) since the 1st of January 2021
- Head of Specification and Verification Lab (LSV) in 2020
- Vice-head of Specification and Verification Lab between July 2009 and Dec. 2019
- Co-head of the team TEMPO between Sept. 2007 and June 2009
- Representative of LSV in the Farman Institute (2011 - 2013)
- Member of the « commission régionale d’interclassement de la BAP E » of « Délégation Régionale 1 » of CNRS in 2016

LIST OF MY PUBLICATIONS

My publications are available on that webpage :

<http://www.lsv.ens-cachan.fr/~bouyer/mes-publis.html>

Many of my publications can be downloaded via my dblp profile :

<https://dblp.org/pid/b/PatriciaBouyer.html>

Chapitres de livres

- [1] Patricia Bouyer. *Handbook of Automata Theory*, volume II, chapter Timed automata, pages 1261–1294. European Mathematical Society Publishing House, 2021.
- [2] Patricia Bouyer, Uli Fahrenberg, Kim G. Larsen, Nicolas Markey, Joël Ouaknine, and James Worrell. Model checking real-time systems. *In Handbook of Model Checking*, pages 1001–1046. Springer, 2018.
- [3] Patricia Bouyer, François Laroussinie, Nicolas Markey, Joël Ouaknine, and James Worrell. Timed temporal logics. *In Models, Algorithms, Logics and Tools : Essays Dedicated to Kim Guldstrand Larsen on the Occasion of His 60th Birthday*, volume 10460 of *Lecture Notes in Computer Science*, pages 211–230. Springer, August 2017.
- [4] Patricia Bouyer and Antoine Petit. On extensions of timed automata. *In Perspectives in Concurrency Theory*, IARCS-Universities, pages 35–63. Universities Press, January 2009.
- [5] Patricia Bouyer and François Laroussinie. Model checking timed automata. *In Modeling and Verification of Real-Time Systems*. ISTE Ltd and John Wiley & Sons Inc., January 2008.
- [6] Patricia Bouyer and François Laroussinie. Vérification par automates temporisés. *In Systèmes temps-réel 1 : techniques de description et de vérification*, pages 121–150. Hermès, June 2006.

Édition d'actes de conférences

- [7] Patricia Bouyer and Lutz Schröder, editors. *Proceedings of the 25th International Conference on Foundations of Software Science and Computation Structures (FoSSaCS'22)*, volume 13242 of *Lecture Notes in Computer Science*. Springer.
- [8] Aniello Murano, Patricia Bouyer, Pierluigi San Pietro, and Andrea Orlandini. Preface. *Information and Computation*, 272 :104497, 2020.
- [9] Patricia Bouyer, Andrea Orlandini, and Pierluigi San Pietro, editors. *Proceedings of the 8th International Symposium on Games, Automata, Logics and Formal Verification (GandALF'17)*, volume 256 of *Electronic Proceedings in Theoretical Computer Science*.
- [10] Eugène Asarin and Patricia Bouyer, editors. *Proceedings of the 4th International Conference on Formal Modelling and Analysis of Timed Systems (FORMATS'06)*, volume 4202 of *Lecture Notes in Computer Science*. Springer.

Articles dans des journaux à audience internationale

- [11] Patricia Bouyer, Stéphane Le Roux, Youssouf Oualhadj, Mickael Randour, and Pierre Vandenhove. Games where you can play optimally with arena-independent finite memory. *Logical Methods in Computer Science*, 18(1) :11 :1–11 :44, nov 2022.
- [12] Patricia Bouyer, Léo Henry, Samy Jaziri, Thierry Jéron, and Nicolas Markey. Diagnosing timed automata using timed markings. *International Journal on Software Tools for Technology Transfer*, 23(2) :229–253, apr 2021.
- [13] Nathalie Bertrand, Patricia Bouyer, and Anirban Majumdar. Reconfiguration and message losses in parameterized broadcast networks. *Logical Methods in Computer Science*, 17(1) :1–23, mar 2021.
- [14] Giovanni Bacci, Patricia Bouyer, Uli Fahrenberg, Kim Larsen, Nicolas Markey, and Pierre-Alain Reynier. Optimal and robust controller synthesis using energy timed automata with uncertainty. *Formal Aspects of Computing*, 33 :3–25, jan 2021.
- [15] Patrick Gardy, Patricia Bouyer, and Markey Nicolas. Dependences in strategy logic. *Theory of Computing Systems*, 64(3) :467–507, April 2020.
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