

BOUYER-DECITRE Patricia
Née le 18 octobre 1976 à Vannes (56)

Nationalité Française
Mariée, 2 enfants (2010, 2013)

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CARRIÈRE PROFESSIONNELLE

- Depuis 2010 — Directrice de recherche au CNRS, affectée au LSV¹ puis au LMF²
Directrice du LMF depuis janvier 2021
Directrice du LSV entre janvier et décembre 2020
Directrice-adjointe du LSV de juillet 2009 à décembre 2019
- 2002 – 2010 — Chargée de recherche au CNRS, affectée au LSV
Co-responsable entre septembre 2007 et juin 2009 de l'équipe TEMPO
- 2007 — En disposition à l'université d'Oxford (Grande-Bretagne)
- 2002 — Post-doc à BRICS, université d'Aalborg (Danemark) dans l'équipe « Distributed Systems and Semantics »

CURSUS ET DIPLÔMES

- 2009 — Habilitation à diriger des recherches soutenue le 12 janvier 2009
Titre : « From qualitative to quantitative analysis of timed systems »
Lieu : Université Paris Diderot (Paris 7)
Jury : Rajeev Alur (rapporteur), Ahmed Bouajjani, Joost-Pieter Katoen (rapporteur), Kim G. Larsen, Anca Muscholl (rapporteur), Antoine Petit, Jean-François Raskin
- 1999 - 2002 — Thèse soutenue le 5 avril 2002
Titre : « Modèles et algorithmes pour la vérification des systèmes temporisés »
Lieu : LSV, CNRS & ENS Cachan
Jury : Claude Jard (rapporteur), Kim G. Larsen (rapporteur), Antoine Petit (directeur de thèse), Olivier Roux, Joseph Sifakis (rapporteur), Pascal Weil
- 1998 – 1999 — Agrégation de mathématiques
- 1997 – 1998 — DEA Algorithmique (mention TB)
Maîtrise d'informatique (mention TB)

1. LSV = Laboratoire Spécification et Vérification (UMR 8623)

2. LMF = Laboratoire Méthodes Formelles (UMR 9021)

1996 – 1997 — Maîtrise de mathématiques (mention TB)
Licence de mathématiques (mention B)
Sept. 1996 — Entrée à l'ENS Cachan

RÉCOMPENSES

2025 — Best ETAPS paper award à la conférence FoSSaCS'25
2018 — Best paper award à la conférence FM'18
2013 – 2019 — Lauréate d'un projet ERC (EQualIS)
2011 — Prix Presburger décerné par l'EATCS
2007 — Médaille de bronze du CNRS
2006 — Bourse Marie Curie pour un séjour d'un an à l'université d'Oxford
(séjour effectué en 2007)
2003 — Thèse récompensée par Specif (accessit)

RESPONSABILITÉS DANS DES JOURNAUX, CONFÉRENCES ET ÉCOLES

— Comités éditoriaux de journaux —

- *TheoretiCS* depuis 2021
- *Journal of Logical and Algebraic Methods in Programming*, 2014 – 2020
- *Acta Informatica*, 2014 – 2023

— Co-présidences et présidence de comités de programme —

- CONCUR'25 (International Conference on Concurrency Theory), Aarhus (Danemark), août 2025 : co-présidence avec Jaco van de Pol
- FSTTCS'23 (43rd IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science), Hyderabad (Inde), décembre 2023 : présidence Track B
- STACS'23 (40th International Symposium on Theoretical Aspects of Computer Science), Hambourg (Allemagne), mars 2023 : co-présidence Track B avec Anuj Dawar
- FoSSaCS'22 (25th International Conference on Foundations of Software Science and Computation Structures), Munich (Allemagne), avril 2022 : co-présidence avec Lutz Schröder
- LICS'19 (34th ACM/IEEE Symposium on Logic in Computer Science), Vancouver (Canada), juillet 2019
- SR'18 (6th International Workshop on Strategic Reasoning), Oxford (Grande-Bretagne), juillet 2018 : co-présidence avec Nicolas Markey
- GandALF'17 (8th International Symposium on Games, Automata, Logics and Formal Verification), Rome (Italie), septembre 2017 : co-présidence avec Pierluigi San Pietro
- FORMATS'06 (4th International Conference on Modelling and Analysis of Timed Systems), Paris, septembre 2006 : co-présidence avec Eugene Asarin
- GDV'06 (3rd International Workshop on Games in Design and Verification), Seattle (États-Unis), août 2006 : co-présidence avec P. Madhusudan

— **Participation à 84 comités de programme** —

Je ne liste ci-dessous que les principaux, une liste exhaustive peut être obtenue ici :

<https://lmf.cnrs.fr/PatriciaBouyer/PC-conf>s

- LICS'25'17'15'12'11
- CONCUR'20'13'08'06
- CSL'23'17'15'09
- TACAS'19'16'15'11'08'05
- FORMATS'23'20'18'17'11'08'07'05'04
- QEST'10'09'08
- MFCS'18'17'10
- ICALP'24'20'13'10
- FSTTCS'16
- STACS'09
- FoSSaCS'10
- HSCC'14
- CiE'24

— **Autres responsabilités** —

- Membre du comité exécutif du journal *Logical Methods in Computer Science* depuis fin 2024
- Membre du comité de pilotage de FM depuis 2025
- Membre du comité de pilotage de FoSSaCS, 2024 – 2029
- Membre du comité de pilotage d'ETAPS, 2021 – 2023
- Membre du comité de pilotage de TIME, 2021 – 2024
- Membre du comité de pilotage de LICS, 2013 – 2022
- Responsable des workshops de LICS (IEEE Symposium on Logic in Computer Science) : premier mandat 2013 – 2015, renouvelé pour 2016 – 2018
- Organisation d'une session invitée lors de la conférence Highlights'17
- Responsable de l'organisation de la conférence FORMATS'06
- Membre des comités d'organisation des conférences CAV'01 et CSL'01

EXPOSÉS INVITÉS

Outre les exposés que je fais régulièrement lors de séminaires, groupes de travail ou conférences, j'ai été invitée à donner des exposés ou tutoriels/cours invités. Les transparents des présentations sont disponibles ici :

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

— **Exposés invités dans des workshops ou des conférences** —

38. Petri Nets'25 (46th International Conference on Application and Theory of Petri Nets and Concurrency), Paris, juin 2025
37. CSL'25 (33rd EACSL Annual Conference on Computer Science Logic 2025), Amsterdam, février 2025
36. GameSec'23 (14th Conference on Decision and Game Theory for Security), Avignon, octobre 2023
35. FSTTCS'22 (42nd IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science), Chennai (Inde), décembre 2022
34. FoIKS'22 (12th International Symposium on Foundations of Information and Knowledge Systems), Helsinki, juin 2022

33. CONCUR'21 (32nd International Conference on Concurrency Theory), online, août 2021
32. Journées Nationales du GDR GPL, online, juin 2021
31. Games workshop, affiliated with Highlights of Games, Logic and Automata, online, novembre 2020
30. RP'20 (4th International Conference on Reachability Problems), online, octobre 2020.
29. ATVA'19 (17th International Symposium on Automated Technology for Verification and Analysis), Taipei (Taiwan), octobre 2019
28. TIME'19 (26th International Symposium on Temporal Representation and Reasoning), Malága (Espagne), octobre 2019
27. KimFest (workshop pour les 60 ans de Kim G. Larsen), Aalborg (Danemark), août 2017
26. MFCS'16 (41st International Symposium on Mathematical Foundations of Computer Science), Cracovie (Pologne), août 2016
25. TRENDS'15 (6th IFIP WG 1.8 Workshop on Trends in Concurrency Theory), Madrid (Espagne), septembre 2015
24. NCMA'15 (7th Workshop on Non-Classical Models of Automata and Applications), Porto (Portugal) août 2015
23. AutoMathA'15 (Jewels of Automata : from Mathematics to Applications), Leipzig (Allemagne), mai 2015
22. Séminaire du Centre Fédéré en Vérification, Bruxelles (Belgique), mars 2015
21. Séminaire QuantLA, Dresde (Allemagne), janvier 2015
20. RP'13 (7th International workshop on Reachability Problems), Uppsala (Suède), septembre 2013
19. "LCCC Workshop on Formal Verification of Embedded Control Systems", Lund (Suède), avril 2013
18. Journée "IFIP WG 2.2 (Formal Description of Programming Concepts)", Paris (France), septembre 2011
17. Journées nationales du GDR IM, Paris (France), janvier 2011
16. WATA'10 (Weighted Automata : Theory and Applications), Leipzig (Allemagne), mai 2010
15. MSR'09 (7ème colloque francophone sur la Modélisation des Systemes Réactifs), Nantes (France), novembre 2009
14. QUANTLOG'09 (Workshop on Quantitative Logics), Rhodes (Grèce), juillet 2009
13. Journée de l'Institut Farman, Cachan (France), novembre 2008
12. Journées du projet européen ESF GAMES (Varsovie, Pologne, septembre 2008). Suite à cet exposé, j'ai été invitée par Moshe Y. Vardi à écrire un article de synthèse dans le journal « *Communication of the ACM* ».
11. TFIT'08 (4th Taiwanese-French Conference on Information Technology), Taipei (Taiwan), mars 2008
10. M4M-5 (Methods for Modalities), Cachan (France), novembre 2007

9. Workshop CORTOS, satellite de CONCUR'06, Bonn (Allemagne), août 2006
8. MFPS XXII (22nd Conference on the Mathematical Foundations of Programming Semantics), Gênes (Italie), mai 2006
7. MSR'05 (5ème colloque francophone sur la Modélisation des Systemes Réactifs), Autrans (France), septembre 2005
6. AVoCS'05 (5th International Workshop On Automated Verification Of Critical Systems), Warwick (Angleterre), septembre 2005
5. INFINITY'05, San Francisco (États-Unis), août 2005
4. GDV'05, Édimbourg (Écosse), juillet 2005
3. Journées Systèmes Infinis'05, Cachan (France), mars 2005
2. Journée FAC'04, Toulouse (France), mars 2004
1. Workshop on Automata, Concurrency and Logic, Chennai (Inde), janvier 2003

— **Tutoriels et cours invités** —

14. Tutoriel (1h) à l'école Les mathématiques discrètes et la logique : des mathématiques à l'informatique au CIRM (France), janvier 2023
13. Tutoriel (3h) au Logic Colloquium, Stockholm (Suède), août 2017
12. Cours (3h) à l'école de printemps du Labex Digicosme, Palaiseau (France), mai 2016
11. Cours (2h) à l'école d'été de l'EATCS, Telč, République Tchèque, juillet 2014
10. Cours (3h) à l'école d'été MOVEP'14 (Modélisation et Vérification des Processus Parallèles), Nantes (France), juillet 2014
9. Cours (1h30) à l'école de printemps du groupe de recherche AVACS (Automatic Verification and Analysis of Complex Systems), Oldenburg (Allemagne), mars 2010
8. Cours (2h) à l'école de printemps QMC (Quantitative Model Checking), Copenhague (Danemark), mars 2010
7. Cours (6h) à l'école d'été VTSA'09 (Verification Technology, Systems & Applications), Nancy (France), octobre 2009
6. Cours (1h30) à l'école d'été du réseau d'excellence ARTIST2, Nässlingen (Suède), septembre 2005
5. Cours (1h) à l'École Temps-Réel, Nancy (France), septembre 2005
4. Cours (2h30) à l'école de printemps du projet européen ESF GAMES, Bonn (Allemagne), mars 2005
3. Cours (2h30) à l'école d'hiver MOVEP'04 (Modélisation et Vérification des Processus Parallèles), Bruxelles (Belgique), décembre 2004
2. Tutoriel (1h30) lors de la conférence QEST'04 (1st International Conference on the Quantitative Evaluation of Systems), Twente (Pays-Bas), septembre 2004
1. Cours (3h) à la 32^{ème} école de printemps d'informatique théorique, Luminy (France), avril 2004

ENSEIGNEMENT

- Entre 2017 et 2021, j'ai participé à l'enseignement de l'option Modélisation de l'agrégation à l'ENS Paris-Saclay.
- Depuis 2002, j'enseigne régulièrement dans le cours « Vérification des systèmes temporisés » du MPRI (cours 2.8) ou précédemment du DEA Algorithmique. J'ai en effet donné le cours en 2002 – 2003, 2003 – 2004, 2005 – 2006, 2008 – 2009, 2011 – 2012, 2012 – 2013, 2015 – 2016, 2017 – 2018, 2019 – 2020, 2021 – 2022, 2023 – 2024
- Durant ma thèse, j'étais monitrice à l'ENS Cachan et ai donné divers travaux dirigés (notamment en algorithmique, en programmation et en calculabilité).

ENCADREMENTS

— **Doctorants** — 13 thèses soutenues, 2 thèses en cours

15. Vaishnavi Vishwanath (thèse commencée en septembre 2023 à CMI, Inde). Co-encadrée par B. Srivathsan.
14. Luc Lapointe (thèse commencée en septembre 2023). Co-encadré par Nathalie Bertrand (IRISA).
13. Benjamin Bordais (septembre 2020 – octobre 2023). *Concurrent two-player antagonistic games on graphs*. Co-encadré par Stéphane Le Roux (LMF).
↪ Benjamin est en post-doc à Dortmund dans le groupe de Daniel Neider.
12. Nathan Thomasset (septembre 2019 – décembre 2023). *Stratégies à mémoire finie dans les jeux concurrents à deux joueurs*. Co-encadré par Stéphane Le Roux (LMF).
↪ Nathan est ingénieur chez Alstom.
11. Pierre Vandenhove (oct. 2019 – avril 2023) *Strategy complexity of zero-sum games on graphs*. Co-tutelle avec l'UMONS (Belgique), co-encadré par Mickael Randour (F.R.S./FNRS, UMONS).
↪ Pierre est premier assistant à l'UMONS (Belgique).
10. Anirban Majumdar (sept. 2018 – sept. 2021) *Verification and synthesis of parameterized concurrent systems*. Co-encadré par Nathalie Bertrand (IRISA).
↪ Anirban est en post-doc à l'ULB dans le groupe de Jean-François Raskin.
9. Mauricio González (mars 2016 – novembre 2019). *Stochastic Games on Graphs with Applications to Smart-Grids Optimization*. Co-encadré par Nicolas Markey (IRISA) et Samson Lasaulce (L2S).
↪ Mauricio est ingénieur chez EthiFinance.
8. Samy Jaziri (octobre 2015 – septembre 2019). *Automata on Timed Structures*. Co-encadré par Nicolas Markey (IRISA).
↪ Samy est professeur d'informatique en classes préparatoires aux grandes écoles.
7. Pierre Carlier (2014 – 2017). *Verification of Stochastic Timed Automata*. Co-tutelle avec l'Université de Mons (Belgique). Co-encadré par Thomas Brihaye.
↪ Pierre est professeur de mathématiques à Mons (Belgique).

6. Patrick Gardy (2013 – 2017). *Semantics of Strategy Logic*. Co-encadré par Nicolas Markey.
↪ Patrick est ingénieur RAMS à la SNCF.
5. Daniel Stan (2013 – 2017). *Randomized Strategies in Concurrent Games*. Co-encadré par Nicolas Markey.
↪ Daniel est maître de conférences à l'EPITA Strasbourg et membre d'ICube.
4. Ocan Sankur (2010 – 2013). *Robustness in Timed Automata : Analysis, Synthesis, Implementation*. Co-encadré par Nicolas Markey.
↪ Ocan est chargé de recherche au CNRS à l'IRISA (Rennes, France).
3. Romain Brenguier (2009 – 2012). *Nash Equilibria in Concurrent Games – Application to Timed Games*. Co-encadré par Nicolas Markey.
↪ Romain est ingénieur chez DiffBlue (Oxford, Grande-Bretagne).
2. Fabrice Chevalier (2004 – 2007) : *Logiques pour les systèmes temporisés : contrôle et expressivité*.
↪ Fabrice est professeur de mathématiques en classes préparatoires aux grandes écoles.
1. Pierre-Alain Reynier (2004 – 2007) : *Vérification de systèmes temporisés et distribués : modèles, algorithmes et implémentabilité*. Co-encadré par François Laroussinie.
↪ Pierre-Alain est professeur des universités à Aix-Marseille Université.

— **Post-doctorants** —

9. Fabian Reiter (janvier 2018 – février 2019), co-encadré par Benedikt Bollig
↪ Fabian est maître de conférences à l'université de Marne-la-Vallée.
8. Vincent Jugé (février 2016 – août 2017), co-encadré par Nicolas Markey
↪ Vincent est maître de conférences à l'université de Marne-la-Vallée.
7. Maximilien Colange (septembre 2015 – août 2016), co-encadré par Nicolas Markey
↪ Maximilien est ingénieur R&D chez Epigene Labs.
6. Mickael Randour (octobre 2014 – septembre 2015), co-encadré par Nicolas Markey
↪ Mickael est chercheur permanent au FNRS (Belgique).
5. Raj Mohan M (mai 2013 – avril 2015), co-encadré par Nicolas Markey
4. Michael Ummels (février 2010 – janvier 2012), co-encadré par Nicolas Markey
↪ Michael travaille au centre de recherche "Deutsches Zentrum für Luft- und Raumfahrt (DLR)" en Allemagne.
3. Delphine Longuet (septembre 2008 – août 2009), co-encadrée par Nicolas Markey
↪ Delphine est ingénieure chez Thalès.
2. Thomas Brihaye (octobre 2006 – septembre 2007)
↪ Thomas est professeur à l'UMONS (Belgique).
1. Laura Bozzelli (octobre 2005 – mai 2006)
↪ Laura est chercheuse à Naples (Italie).

— **Autres stagiaires** —

- Étudiants en thèse dans d'autres universités à l'étranger : Simon Laursen (6 mois – Aalborg, Danemark), Jörg Olschewski (6 mois – RWTH Aachen, Allemagne), Claus Thrane (6 mois – Aalborg, Danemark), Vojtěch Forejt (5 mois – Brno, Rép. Tchèque), Francesco Donnarumma (1 mois – Naples, Italie)
- Étudiants venant d'un institut indien (stages d'été) : Satya Sreevani (CMI, Chennai), Bhargav N. Bhatt (IIT Kanpur), Sourabh Ghurye (IIT Bombay), Soumyajit Paul (CMI, Chennai), Harshal Mahajan (IIT Bombay), Kishor J (CMI, Chennai)
- Stagiaires de DEA ou M2 : Luc Lapointe (2023), Fatemeh Ghasemi (2023), Benjamin Bordaïs (2020), Nathan Thomasset, Samy Jaziri, Mauricio Gonzalez, Daniel Stan, Ocan Sankur, Romain Bregnuier, Guylain Naves, Fabrice Chevalier, Pierre-Alain Reynier, Agnès Robin
- Stagiaire de L3 : Gabriel Renault

PROJETS AUXQUELS J'AI PARTICIPÉ/ JE PARTICIPE

— **Projets internationaux** —

1. Participation au P2R franco-indien MODISTE-COVER (« *Modèles distribués et temporisés pour le contrôle et la vérification* »), 2005 – 2008

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

— **Projet ERC** —

1. Porteuse du projet ERC Starting grant EQualIS (*Enhancing the Quality of Interacting Systems*), janvier 2013 – février 2019 (prolongation de 14 mois par rapport à la durée initiale)

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

— **Projets collaboratifs européens** —

4. Participation au projet européen CRP de l'ESF GASICS (*Games for Analysis and Synthesis of Interactive Computational Systems*), 2008 – 2011

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

3. Participation au projet européen STREP QUASIMODO (*Quantitative System Properties in Model-Driven Design of Embedded Systems*), 2008 – 2011

Page web : <http://www.quasimodo.aau.dk/>

2. Participation au réseau d'excellence ARTIST2 (*Embedded Systems Design*), 2004 – 2008

Page web : <http://www.artist-embedded.org/artist/>

1. Participation au projet européen IST AMETIST (*Advanced Methods for Timed Systems*), 2002 – 2005

Page web : <http://ametist.cs.utwente.nl/>

— Projets français —

9. Participation au projet ANR Bisous (*Better Synthesis for Quantitative Underspecified Systems*), 2023 – 2027
Page web : <https://anr-bisous.ls2n.fr>
8. Participation au projet ANR MAVeriQ (*Methods of Analysis for VERification of Quantitative properties*), 2021 – 2025
Page web : <http://www.irif.fr/~maveriq/>
7. Participation au projet ANR Ticktac (*Efficient Techniques and Tools for the Verification and Synthesis of Real-Time Systems*) 2019 – 2023
Page web : <http://www.irisa.fr/sumo/ticktac/>
6. Participation au projet ANR ImpRo (*Implantabilité et Robustesse des Systèmes Temporisés*), 2011 – 2014
Page web : <http://anr-impro.irccyn.ec-nantes.fr>
5. Participation à l'ARA SSIA DOTS (*Distributed, Open and Timed Systems*), 2006 – 2010
Page web : <http://www.lsv.ens-cachan.fr/anr-dots/>
4. Coordinatrice de l'ACI SI CORTOS (*Control and Observation of Real-Time Open Systems*), 2003 – 2006
Page web : <http://www.lsv.ens-cachan.fr/aci-cortos/>
3. Participation à l'ACI JC CHRONO (*Tools and Algorithms for the verification of Hybrid Systems*), 2001 – 2004
Page web : <http://www.irccyn.fr/franck/aci-chrono/>
2. Coordinatrice locale au LSV de l' AS *Automates, modèles distribués et temporisés* (AS 93 du RTP 23), 2002 – 2003
Page web : <http://www.labri.fr/perso/weil/ASSTIC/>
1. Participation au projet RNRT CALIFE (*Environnement pour la Preuve formelle et le Test d'Algorithmes utilisés en Télécommunication*), 1999 – 2002
Page web : <http://www.loria.fr/projets/calife/>

— Projets à l'ENS Cachan —

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

SÉJOURS À L'ÉTRANGER

- Une année à l'université d'Oxford (Grande-Bretagne) en 2007. J'étais alors en disposition du CNRS et j'ai obtenu une bourse européenne Marie Curie pour effectuer ce séjour.
- Dix mois de post-doc à l'université d'Aalborg (Danemark) en 2002.

- Plusieurs séjours en Inde, soit à l’Institute of Mathematical Science (Chennai), soit à l’Indian Institute of Science (Bangalore) depuis 2003.
- Séjours réguliers à l’université d’Aalborg (Danemark) depuis 1997.

TRAVAUX D’EXPERTISE

— Participation à des jurys de thèses —

Note : je ne mentionne pas ici les jurys de mes doctorants

31. Léonard Brice, Université Libre de Bruxelles, mai et juin 2025
30. Nicolas Waldburger, Université de Rennes, décembre 2024
29. Loriane Leclercq, Université de Nantes, décembre 2024 – rapporteure
28. Dylan Bellier, Université de Rennes, novembre 2024 – présidente du jury
27. Thomas (Théo) Mari, Université Grenoble Alpes, novembre 2023
26. Julie Parreaux, Aix-Marseille Université, octobre 2023
25. Dylan Marinho, Université de Lorraine, octobre 2023 – rapporteure
24. Akshay Mambakkam, Université Grenoble Alpes, juillet 2023
23. Igor Khmelnitsky, Université Paris-Saclay, janvier 2022 – présidente du jury
22. Pierre Ohlmann, Université de Paris, décembre 2020 – présidente du jury
21. Florent Koechlin, Université Gustave Eiffel, décembre 2020 – rapporteure et présidente du jury
20. Raphaël Rieu-Helft, Université Paris-Saclay, novembre 2020
19. Marion Hallet, Université de Mons (Belgique) et Université Libre de Bruxelles (Belgique), mai (défense privée) et juin (défense publique) 2020
18. Bao Ran, Université de Nantes, mai 2020 – rapporteure
17. Damien Busatto-Gaston, Aix-Marseille Université, décembre 2019
16. Mathias Ramparison, Université Paris-Nord, septembre 2019 – rapporteure
15. Quentin Hautem, UMONS (Belgique), juin 2018
14. Dogan Ulus, Université Joseph Fourier, Grenoble (France), janvier 2018
13. Rodica Bozianu Condurache, Université de Créteil-Paris Est (France) & Université Libre de Bruxelles (Belgique), décembre 2016 – rapporteure
12. Shibashis Guha, IIT Delhi (Inde), automne 2015 (finalement soutenue en décembre 2016) – rapporteure
11. Marie van den Bogaard, Université Paris-Saclay (France), novembre 2016
10. Jan Krčál, Masaryk University, Brno (République Tchèque), décembre 2013 – rapporteure
9. Amélie Stainer, Université de Rennes (France), novembre 2013
8. Raj Mohan M., Indian Institute of Science, Bangalore (Inde), novembre 2012 – rapporteure
7. B. Srivathsan, Université Bordeaux 1 (France), juin 2012 – rapporteure

6. Karin Quaas, Universität Leipzig (Allemagne), janvier 2010 – rapporteure
5. Vojtěch Forejt, Masaryk University, Brno (République Tchèque), décembre 2009 – rapporteure
4. P. Vijay Suman, Tata Institute of Fundamental Research, Mumbai (Inde), 2009 – rapporteure
3. Anders Hessel, Université d’Uppsala (Suède), mai 2007
2. Thomas Brihaye, Université de Mons-Hainaut (Belgique), juin 2006
1. Pritha Mahata, Université d’Uppsala (Suède), mars 2005

— **Participation à des jurys d’habilitations à diriger les recherches** —

9. Uli Fahrenberg, Université Paris-Saclay, mai 2022 – présidente du jury
8. Thomas Nowak, Université Paris-Saclay, janvier 2022 – présidente du jury
7. Benoît Delahaye, Université de Nantes, décembre 2020
6. Arnaud Carayol, Université Paris-Est Marne-la-Vallée, 2019 – rapporteure
5. Étienne André, Université Paris-Nord, 2018 – rapporteure
4. Martin Zimmermann, Universität des Saarlandes (Allemagne), 2017 – rapporteure
3. Blaise Genest, Université de Rennes (France), mars 2016 – rapporteure
2. Didier Lime, Université de Nantes (France), décembre 2012 – rapporteure
1. Peter Niebert, Université de Provence, Marseille (France), décembre 2011

— **Autres travaux d’expertise** —

- Membre du panel de ERC-CoG en 2024
- Membre du comité du prix du meilleur papier théorique de l’EATCS, 2019 – 2021
- Membre du comité « Test-of-time Award » de CONCUR en 2020
- Présidente du jury du prix de thèse Gilles Kahn (de la SIF), 2016 – 2018.
Membre de ce même jury en 2014 et 2015
- Évaluation de projets français lors des appels ANR en 2018, ARA SSIA en 2005, SETIN en 2006 et SESUR en 2007.
- Évaluation d’un projet néerlandais pour l’appel « NWO computer science open competition » en 2005.
- Évaluation d’un projet anglais dans le cadre de l’« EPSRC » en 2009
- Évaluation d’un projet tchec pour GAČR en 2011
- Évaluation d’un projet polonais pour National Science Centre en 2015
- Évaluation d’un projet belge pour ULB-ARC en 2016
- Évaluation de projets ERC en 2014 et 2015
- Participation à l’évaluation de différents laboratoires pour l’AERES et l’HCERES : LITA (Metz) en 2011, DI/ENS (Paris) en 2012, LAAS (Toulouse) en 2014, LaBRI (Bordeaux) en 2015
- Nombreux rapports d’évaluation pour des conférences et des journaux comme 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...

— Responsabilités scientifiques —

- Membre du comité directeur du MPRI depuis 2022
- Membre du conseil de l'École Doctorale 386 (Université Paris-Cité), 2022-2024
- Membre du conseil scientifique du DIM RFSI, 2019 – 2020
- Membre du conseil scientifique de la Fondation Sciences Mathématiques de Paris (FSMP), 2018 – 2019.
- Membre élue du conseil de l'EATCS (*European Association of Theoretical Computer Science*), 2017 – 2021
- Membre élue de la section 6 du comité national, 2012 – 2016
- Membre élue du conseil scientifique de l'ENS Cachan, 2005 – 2008
- Membre du comité de recherche d'un éditeur-en-chef pour le journal ToCL (*ACM Transactions on Computational Logic*) en 2015 (recrutement de Orna Kupferman)
- Membre du comité de sélection des CR2 et CR1 à INRIA Rennes Bretagne Atlantique, 2009
- Membre de comités de sélection Université de Paris-Est Marne-la-Vallée (PU 2023), ENS Paris-Saclay (PU 2022), à l'Université de Paris (PU 2021), à l'ENSIMAG (PU 2021), à l'Université Paris-Nord (PU 2020), à l'Université Paris-Est-Créteil (MdC 2020), à l'université de Paris-Est Marne-la-Vallée (PU 2019, MCF 2022), à l'université Paris-Diderot (PU 2018), à l'université Paris-Sud (MdC 2018; PU 2019), à l'ENS Paris-Saclay (MdC 2018, PU 2020, PU 2022), à l'université Paris 7 (MdC 2009), à l'université Joseph Fourier (MdC Grenoble, 2010), à l'université de Provence (MdC Marseille, 2010 et 2015), Membre de la commission de spécialistes à Paris 7 et à l'ENS Cachan (2004 – 2008)
- Membre de comités de repyramidages : Paris-Cité (2023), Sorbonne Paris-Nord (2023)

— Responsabilités administratives —

- Directrice du LMF (nouveau laboratoire) depuis le 1^{er} janvier 2021
- Directrice du LSV en 2020
- Directrice-adjointe du LSV entre juillet 2009 et décembre 2019
- Co-responsable de l'équipe TEMPO au LSV entre septembre 2007 et juin 2009
- Représentante du LSV dans l'Institut Farman (2011 - 2013)
- Membre de la commission régionale d'interclassement de la BAP E de la Délégation Régionale 1 du CNRS en 2016

— Autres activités —

- Interrogatrice dans l'épreuve de TIPE Info des concours ENS en 2018, 2019 et 2021
- Membre de IFIP WG 1.8 sur la théorie de la concurrence depuis 2016
- Participation à des journées portes ouvertes au LSV (2004, 2008, 2017-2019)
- Interrogatrice à l'oral au concours d'entrée en 3^{ème} année à l'ENS Cachan en 2008.
- Responsable du groupe de travail du groupe TEMPO au LSV (2002 – 2004).
- Webmaster de la page web du LSV (1999 – 2001) et du site web interne (2002 – 2007).
- Représentante des doctorants (1999 – 2001).

Beaucoup de mes publications sont disponibles sur mon profil dblp :

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

Chapitres de livres

- [1] Nathalie Bertrand, Patricia Bouyer, Nathanaël Fijalkow, and Mateusz Skomra. *Games on Graphs : From Logic and Automata to Algorithms*, chapter Stochastic Games, pages 242–271. Cambridge University Press, 2025.
- [2] Patricia Bouyer. *Handbook of Automata Theory*, volume II, chapter Timed automata, pages 1261–1294. European Mathematical Society Publishing House, 2021.
- [3] 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.
- [4] 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.
- [5] Patricia Bouyer and Antoine Petit. On extensions of timed automata. *In Perspectives in Concurrency Theory*, IARCS-Universities, pages 35–63. Universities Press, January 2009.
- [6] 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.
- [7] 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.

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- [8] Patricia Bouyer and Srikanth Srinivasan, editors. *Proceedings of the 43rd IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS’23)*, volume 284 of *Leibniz International Proceedings in Informatics*. Leibniz-Zentrum für Informatik.
- [9] Petra Berenbrink, Patricia Bouyer, Anuj Dawar, and Mamadou Moustapha Kanté, editors. *Proceedings of the 40th International Symposium on Theoretical Aspects of Computer Science (STACS’23)*, volume 254 of *Leibniz International Proceedings in Informatics*. Leibniz-Zentrum für Informatik.
- [10] 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.
- [11] Aniello Murano, Patricia Bouyer, Pierluigi San Pietro, and Andrea Orlandini. Preface. *Information and Computation*, 272 :104497, 2020.

- [12] 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*.
- [13] 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

- [14] Patricia Bouyer, Antonio Casares, Mickael Randour, and Pierre Vandenhove. Half-positional objectives recognized by deterministic Büchi automata. *Logical Methods in Computer Science*, 20(3) :19 :1–19 :42, aug 2024.
- [15] Patricia Bouyer, Youssouf Oualhadj, Mickael Randour, and Pierre Vandenhove. Arena-independent finite-memory determinacy in stochastic games. *Logical Methods in Computer Science*, 19(4) :18 :1–18 :51, dec 2023.
- [16] Patricia Bouyer, Orna Kupferman, Nicolas Markey, Bastien Maubert, Aniello Murano, and Giuseppe Perelli. Reasoning about quality and fuzziness of strategic behaviours. *ACM Transactions on Computational Logic*, 24(1) :21 :1–21 :38, jan 2023.
- [17] Patricia Bouyer, Mickael Randour, and Pierre Vandenhove. Characterizing omega-regularity through finite-memory determinacy of games on infinite graphs. *TheoretiCS*, 2, jan 2023.
- [18] Béatrice Bérard, Benedikt Bollig, Patricia Bouyer, Matthias Függer, and Nathalie Sznajder. Synthesis in presence of dynamic links. *Information and Computation*, 289(B), nov 2022.
- [19] Patricia Bouyer, Thomas Brihaye, Mickael Randour, Cédric Rivière, and Pierre Vandenhove. Decisiveness of stochastic systems and its application to hybrid models. *Information and Computation*, 289(B), nov 2022.
- [20] 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.
- [21] 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.
- [22] 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.
- [23] 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.
- [24] Patrick Gardy, Patricia Bouyer, and Markey Nicolas. Dependences in strategy logic. *Theory of Computing Systems*, 64(3) :467–507, April 2020.
- [25] Nathalie Bertrand, Patricia Bouyer, Thomas Brihaye, and Pierre Carlier. When are stochastic transition systems tameable? *Journal of Logic and Algebraic Methods in Programming*, 99 :41–96, October 2018.

- [26] Patricia Bouyer, Nicolas Markey, Nicolas Perrin, and Philipp Schlehuber-Caissier. Timed automata abstraction of switched dynamical systems using control funnels. *Real-Time Systems*, 53(3) :327–353, 2017.
- [27] Patricia Bouyer, Nicolas Markey, and Steen Vester. Nash equilibria in symmetric graph games with partial observation. *Information and Computation*, 254(2) :238–258, June 2017.
- [28] Patricia Bouyer, Nicolas Markey, Mickael Randour, Kim G. Larsen, and Simon Laursen. Average-energy games. *Acta Informatica*, pages 1–37, July 2016.
- [29] Patricia Bouyer, Patrick Gardy, and Nicolas Markey. On the semantics of strategy logic. *Information Processing Letters*, 116(2) :75–79, February 2016.
- [30] Patricia Bouyer, Romain Brenguier, Nicolas Markey, and Michael Ummels. Pure Nash equilibria in concurrent games. *Logical Methods in Computer Science*, 11(2 :9), June 2015.
- [31] Patricia Bouyer, Nicolas Markey, and Ocan Sankur. Robust reachability in timed automata and games: A game-based approach. *Theoretical Computer Science*, 563 :43–74, January 2015.
- [32] Nathalie Bertrand, Patricia Bouyer, Thomas Brihaye, Quentin Menet, Christel Baier, Marcus Größer, and Marcin Jurdziński. Stochastic timed automata. *Logical Methods in Computer Science*, 10(4 :6), December 2014.
- [33] Patricia Bouyer, Kim G. Larsen, and Nicolas Markey. Lower-bound constrained runs in weighted timed automata. *Performance Evaluation*, 73 :91–109, March 2014.
- [34] Ocan Sankur, Patricia Bouyer, and Nicolas Markey. Shrinking timed automata. *Information and Computation*, 234 :107–132, February 2014.
- [35] Patricia Bouyer, Nicolas Markey, Joël Ouaknine, Philippe Schnoebelen, and James Worrell. On termination and invariance for faulty channel systems. *Formal Aspects of Computing*, 24(4-6) :595–607, July 2012.
- [36] Patricia Bouyer, Uli Fahrenberg, Kim G. Larsen, and Nicolas Markey. Quantitative analysis of real-time systems using priced timed automata. *Communications of the ACM*, 54 :78–87, September 2011.
- [37] Patricia Bouyer, Franck Cassez, and François Laroussinie. Timed modal logics for real-time systems: Specification, verification and control. *Journal of Logic, Language and Information*, 20(2) :169–203, April 2011.
- [38] Patricia Bouyer, Fabrice Chevalier, and Nicolas Markey. On the expressiveness of TPTL and MTL. *Information and Computation*, 208(2) :97–116, February 2010.
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- [40] Patricia Bouyer, Serge Haddad, and Pierre-Alain Reynier. Undecidability results for timed automata with silent transitions. *Fundamenta Informaticae*, 92(1-2) :1–25, 2009.
- [41] Patricia Bouyer, Thomas Brihaye, and Fabrice Chevalier. Weighted o-minimal hybrid systems. *Annals of Pure and Applied Logics*, 161(3) :268–288, December 2009.
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- [43] Patricia Bouyer, Ed Brinksma, and Kim G. Larsen. Optimal infinite scheduling for multi-priced timed automata. *Formal Methods in System Design*, 32(1) :2–23, February 2008.

- [44] Patricia Bouyer, Serge Haddad, and Pierre-Alain Reynier. Timed Petri nets and timed automata : On the discriminating power of Zeno sequences. *Information and Computation*, 206(1) :73–107, January 2008.
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- [47] Patricia Bouyer, Thomas Brihaye, and Nicolas Markey. Improved undecidability results on priced timed automata. *Information Processing Letters*, 98(5) :188–194, June 2006.
- [48] Patricia Bouyer and Fabrice Chevalier. On the control of timed and hybrid systems. *EATCS Bulletin*, 89 :79–96, June 2006.
- [49] Patricia Bouyer and Fabrice Chevalier. On conciseness of extensions of timed automata. *Journal of Automata, Languages and Combinatorics*, 10(4) :393–405, 2005.
- [50] Patricia Bouyer, Catherine Dufourd, Emmanuel Fleury, and Antoine Petit. Updatable timed automata. *Theoretical Computer Science*, 321(2-3) :291–345, August 2004.
- [51] Béatrice Bérard, Patricia Bouyer, and Antoine Petit. Analysing the PGM protocol with Up-paal. *International Journal of Production Research*, 42(14) :2773–2791, July 2004.
- [52] Patricia Bouyer. Forward analysis of updatable timed automata. *Formal Methods in System Design*, 24(3) :281–320, May 2004.
- [53] Luca Aceto, Patricia Bouyer, Augusto Burgueño, and Kim G. Larsen. The power of reachability testing for timed automata. *Theoretical Computer Science*, 300(1-3) :411–475, May 2003.
- [54] Patricia Bouyer, Antoine Petit, and Denis Thérien. An algebraic approach to data languages and timed languages. *Information and Computation*, 182(2) :137–162, May 2003.
- [55] Patricia Bouyer and Antoine Petit. A Kleene/Büchi-like theorem for clock languages. *Journal of Automata, Languages and Combinatorics*, 7(2) :167–186, 2002.
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- [57] Patricia Bouyer, B. Srivathsan, and Vaishnavi Vishwanath. Model-checking real-time systems : Revisiting the alternating automaton route. In *Proceedings of the 28th International Conference on Foundations of Software Science and Computation Structures (FoSSaCS’25), Paris, France, May 2025*, volume 15691 of *Lecture Notes in Computer Science*, pages 399–421. Springer.
- [58] Patricia Bouyer. On the probabilistic and statistical verification of infinite markov chains (invited talk). In *Proceedings of the 42nd IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (CSL’25), Amsterdam, The Netherlands, feb 2025*, volume 326 of *Leibniz International Proceedings in Informatics*, pages 2 :1–2 :2. Leibniz-Zentrum für Informatik. Invited talk.

- [59] Benoît Barbot, Patricia Bouyer, and Serge Haddad. Beyond decisiveness of infinite markov chains. *In Proceedings of the 44th IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS'24), Gandhinagar, India, dec 2024*, volume 323 of *Leibniz International Proceedings in Informatics*, pages 8 :1–8 :22. Leibniz-Zentrum für Informatik.
- [60] Benjamin Bordais, Patricia Bouyer, and Stéphane Le Roux. From local to global optimality in concurrent parity games. *In Proceedings of the 32nd EACSL Annual Conference on Computer Science Logic (CSL'24), Naples, Italy, feb 2024*, volume 288 of *Leibniz International Proceedings in Informatics*, pages 18 :1–18 :21. Leibniz-Zentrum für Informatik.
- [61] Patricia Bouyer, Antonio Casares, Mickael Randour, and Pierre Vandenhove. Half-positional objectives recognized by deterministic Büchi automata (extended abstract). *In Proceedings of the 32nd International Joint Conference on Artificial Intelligence (IJCAI'23)*, pages 6420–6425. IJCAI organization, August 2023.
- [62] Patricia Bouyer, Nathanaël Fijalkow, Mickael Randour, and Pierre Vandenhove. How to play optimally for regular objectives? *In Proceedings of the 50th International Colloquium on Automata, Languages, and Programming (ICALP'23), Paderborn, Germany, jul 2023*, volume 261 of *Leibniz International Proceedings in Informatics*, pages 118 :1–118 :18. Leibniz-Zentrum für Informatik.
- [63] Benjamin Bordais, Patricia Bouyer, and Stéphane Le Roux. Subgame optimal strategies in finite concurrent games with prefix-independent objectives. *In Proceedings of the 26th International Conference on Foundations of Software Science and Computation Structures (FoSSaCS'23), Paris, France, April 2023*, volume 13992 of *Lecture Notes in Computer Science*, pages 541–560. Springer.
- [64] Benjamin Bordais, Patricia Bouyer, and Stéphane Le Roux. Playing (almost-)optimally in concurrent büchi and co-Büchi games. *In Proceedings of the 42nd IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS'22), Chennai, India, dec 2022*, volume 250 of *Leibniz International Proceedings in Informatics*, pages 33 :1–33 :18. Leibniz-Zentrum für Informatik.
- [65] Patricia Bouyer, Mickael Randour, and Pierre Vandenhove. The true colors of memory : A tour of chromatic-memory strategies in zero-sum games on graphs (invited talk). *In Proceedings of the 42nd IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS'22), Chennai, India, dec 2022*, volume 250 of *Leibniz International Proceedings in Informatics*, pages 3 :1–3 :18. Leibniz-Zentrum für Informatik. Invited talk.
- [66] Patricia Bouyer, Antonio Casares, Mickael Randour, and Pierre Vandenhove. Half-positional objectives recognized by deterministic Büchi automata. *In Proceedings of the 33rd International Conference on Concurrency Theory (CONCUR'22), Warsaw, Poland, sep 2022*, volume 243 of *Leibniz International Proceedings in Informatics*, pages 20 :1–20 :18. Leibniz-Zentrum für Informatik.
- [67] Patricia Bouyer, Mickael Randour, and Pierre Vandenhove. Characterizing omega-regularity through finite-memory determinacy of games on infinite graphs. *In Proceedings of the 39th International Symposium on Theoretical Aspects of Computer Science (STACS'22), Marseille,*

- France – online, mar 2022, volume 219 of *Leibniz International Proceedings in Informatics*, pages 16 :1–16 :16. Leibniz-Zentrum für Informatik.
- [68] Benjamin Bordais, Patricia Bouyer, and Stéphane Le Roux. Optimal strategies in concurrent reachability games. *In Proceedings of the 30th EACSL Annual Conference on Computer Science Logic (CSL'22), online, feb 2022*, volume 216 of *Leibniz International Proceedings in Informatics*, pages 7 :1–7 :17. Leibniz-Zentrum für Informatik.
- [69] Patricia Bouyer, Stéphane Le Roux, and Nathan Thomasset. Finite-memory strategies in two-player infinite games. *In Proceedings of the 30th EACSL Annual Conference on Computer Science Logic (CSL'22), online, feb 2022*, volume 216 of *Leibniz International Proceedings in Informatics*, pages 8 :1–8 :16. Leibniz-Zentrum für Informatik.
- [70] Benjamin Bordais, Patricia Bouyer, and Stéphane Le Roux. From local to global determinacy in concurrent graph games. *In Proceedings of the 41st IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS'21), online, dec 2021*, volume 213 of *Leibniz International Proceedings in Informatics*, pages 41 :1–41 :14. Leibniz-Zentrum für Informatik.
- [71] Patricia Bouyer, Youssouf Oualhadj, Mickael Randour, and Pierre Vandenhover. Arena-independent finite-memory determinacy in stochastic games. *In Proceedings of the 32nd International Conference on Concurrency Theory (CONCUR'21), Paris, France – online, aug 2021*, volume 203 of *Leibniz International Proceedings in Informatics*, pages 26 :1–26 :18. Leibniz-Zentrum für Informatik.
- [72] Nathalie Bertrand, Patricia Bouyer, and Anirban Majumdar. Synthesizing safe coalition strategies. *In Proceedings of the 40th Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS'20), Goa, India – online, dec 2020*, volume 182 of *Leibniz International Proceedings in Informatics*, pages 39 :1–39 :17. Leibniz-Zentrum für Informatik.
- [73] Béatrice Bérard, Benedikt Bollig, Patricia Bouyer, Matthias Függer, and Nathalie Sznajder. Synthesis in presence of dynamic links. *In Proceedings of the 11th International Symposium on Games, Automata, Logics, and Formal Verification (GandALF'20), Brussels, Belgium, sep 2020*, volume 326 of *Electronic Proceedings in Theoretical Computer Science*, pages 33–49.
- [74] Patricia Bouyer, Thomas Brihaye, Mickael Randour, Cédric Rivière, and Pierre Vandenhover. Decisiveness of stochastic systems and its application to hybrid models. *In Proceedings of the 11th International Symposium on Games, Automata, Logics, and Formal Verification (GandALF'20), Brussels, Belgium, September 2020*, volume 326 of *Electronic Proceedings in Theoretical Computer Science*, pages 149–165.
- [75] Patricia Bouyer, Orna Kupferman, Nicolas Markey, Bastien Maubert, Aniello Murano, and Giuseppe Perelli. Reasoning about quality and fuzziness of strategic behaviours. *In Proceedings of the 24th European Conference on Artificial Intelligence (ECAI'20)*, volume 325 of *Frontiers in Artificial Intelligence and Applications*, pages 2887–2888. IOS Press, sep 2020.
- [76] Patricia Bouyer, Stéphane Le Roux, Youssouf Oualhadj, Mickael Randour, and Pierre Vandenhover. Games where you can play optimally with finite memory. *In Proceedings of the 31st International Conference on Concurrency Theory (CONCUR'20), Vienna, Austria, September 2020*, *Leibniz International Proceedings in Informatics*, pages 24 :1–24 :22. Leibniz-Zentrum für Informatik. Nominated for best paper award.

- [77] Nathalie Bertrand, Patricia Bouyer, and Anirban Majumdar. Concurrent parameterized games. *In Proceedings of the 39th IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS'19)*, Leibniz International Proceedings in Informatics, pages 31 :1–31 :15. Leibniz-Zentrum für Informatik, December 2019.
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- [84] Patricia Bouyer, Mauricio González, Nicolas Markey, and Mickael Randour. Multi-weighted Markov decision processes with reachability objectives. *In Proceedings of the 9th International Symposium on Games, Automata, Logics, and Formal Verification (GandALF'18), Saarbrücken, Germany, September 2018*, volume 277 of *Electronic Proceedings in Theoretical Computer Science*, pages 250–264.
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- [88] Patricia Bouyer, Serge Haddad, and Vincent Jugé. Unbounded product-form Petri nets. *In Proceedings of the 28th International Conference on Concurrency Theory (CONCUR'17), Berlin, Germany, September 2017*, volume 85 of *Leibniz International Proceedings in Informatics*, pages 31 :1–31 :16. Leibniz-Zentrum für Informatik.
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