

THIÉBAUX Sylvie (ORCID: 0000-0002-7434-3976)Nationality: French and Australian, web site: <https://users.cecs.anu.edu.au/~thiebaux/>

- **CURRENT POSITIONS**

Directrice de Recherche,
Université de Toulouse, France

Senior Professor, Australian
National University, Australia

- **EDUCATION**

1995 PhD, Université de Rennes,
France
1992 MSc (Dipl. Ing.): INSA
Rennes, France

- **INTERNATIONAL RECOGNITION (honors, prizes, last 10 years)**

- 2020 Elected Fellow of the Association for the Advancement of Artificial Intelligence (AAAI)
- 2020 Invited Plenary Speaker, European Conference on Artificial Intelligence (ECAI)
- 2020 Outstanding Senior PC Award, AAAI Conference on Artificial Intelligence (AAAI)
- 2019 Invited Plenary Speaker, French Artificial Intelligence Platform (PFIA)
- 2018 Outstanding Lead PC Member, Int. Conf. on Automated Planning & Scheduling (ICAPS)
- 2018 Energy Networks Industry Innovation Award, Energy Networks Australia
- 2018 Engineering Excellence Award, Engineers Australia
- 2018 Business Community Engagement Award, Australian Clean Energy Council
- 2018 Energy Project of the Year, The Electrical Energy Society of Australia
- 2017 Best Paper Award, Int. Conf. on Automated Planning & Scheduling (ICAPS)
- 2016 Best Paper Award, Int. Conf. on Automated Planning & Scheduling (ICAPS)
- 2015 Best Paper Award, ACM Int. Conf. on Future Energy Systems (ACM e-Energy)
- 2014 Distinguished Paper, Power Systems Computation Conference (PSCC)
- 2014 Best Student Paper Award, Int. Conf. on Automated Planning & Scheduling (ICAPS)

- **SUPERVISION:** 19 PhD students (3 on-going), 16 postdocs, 20 fixed-term and continuing staff

- **SCIENTIFIC PRODUCTION:** <https://users.cecs.anu.edu.au/~thiebaux/>

- **5 MOST RELEVANT PAPERS (10 last years), Google Scholar Id: UliUD0gAAAAJ, h index: 40**

1. E. Scala, P. Haslum, S. Thiébaux, M. Ramirez 2020, ‘Subgoaling Techniques for Satisficing and Optimal Numeric Planning’, J. Artificial Intelligence Research (JAIR), vol. 68, pp. 691-752. (extends. IJCAI + ECAI’16)
2. S. Toyer, S. Thiébaux, F. Trevizan, L. Xie 2020, ‘ASNet: Deep Learning for Generalised Planning’, J. Artificial Intelligence Research (JAIR), vol. 68, pp. 1-68. (extends. AAAI’18)
3. W. Shen, F. Trevizan, S. Thiébaux 2020, ‘Learning Planning Heuristics with Hypergraph Networks’, 30th Int. Conf. on Automated Planning & Scheduling (ICAPS), pp. 574-584.
4. F. Trevizan, S. Thiébaux, P. Haslum 2017, ‘Occupation Measure Heuristics for Probabilistic Planning’, 27th Int. Conf. on Automated Planning & Scheduling (ICAPS), pp. 306-315.
5. F. Trevizan, S. Thiébaux, P. Santana, B. Williams 2016, ‘Heuristic Search in Dual Space for Constrained Stochastic Shortest Path Problems’, 26th Int. Conf. Automated Planning & Scheduling (ICAPS), pp. 326-334

- **EDITORIAL ACTIVITIES** (small subset)

- Since 2019: Editor in Chief of Artificial Intelligence journal ([AIJ](#)); Previously Associate Editor of AIJ and [JAIR](#)
- 2022: PC Chair Int. Conf. on Automated Planning & Scheduling ([ICAPS](#)); Previously President of [ICAPS](#) council
- Regularly: Area Chair or Senior PC of [IJCAI](#), [AAAI](#), [ECAI](#), [ICAPS](#); Previously Councilor of [AAAI](#)

- **COLLABORATIONS:** (selection over the past 5 years)

- **Horizon EU Project “TUPLES” (2022-2025).** Collaboration on *hybrid methods, explanations, and verification for planning & scheduling*, between ANITI (N. Asher, E. Hebrard, myself), USaar (J. Hoffmann), KU Leuven (J. Davis, T. Guns), U. Bologna (M. Lombardi, D. Vigo), CVUT (O. Kuzelka, R. Horcik), Airbus (M. Hall, F. Teichteil), Optit (A. Gordini, M. Pozzi), Scisports (L. Bransen, F. Goes). Role: coordinator. Funding €4.4M.
- **Airbus project “DONUT” (2018-2019).** Collaboration between Airbus (A. Arnold, G. Dupont, F. Teichteil, G. Poveda, O. Regnier) and ANU (F. Geisser, C. Gretton, F. Trevizan, myself) on *planning & scheduling under uncertainty for aerospace applications*. Role: lead ANU PI. Funding €310K.
- **AFOSR project “Mission Plans under Risk Bounds” (2015-2018).** Collaboration between NICTA (F. Trevizan, myself) and MIT (B. Williams) on *Constrained (PO)MDPs*. Role: lead PI. Funding €380K.

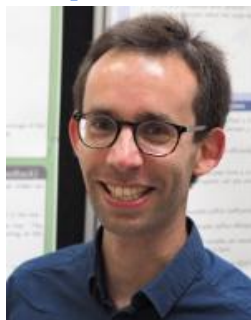
- **TEACHING ACTIVITIES:** ANU Artificial Intelligence class COMP3620/COMP6320

GERCHINOVITZ SébastienNationality: French, web site: <https://www.math.univ-toulouse.fr/~sgerchin/>

- **CURRENT POSITIONS**

Research scientist,
IRT Saint Exupéry, Toulouse

Assistant professor (on leave),
Univ. Toulouse III - Paul Sabatier



- **EDUCATION**

2011	PhD, Ecole Normale Supérieure, Paris
2008	MSc, Univ. Paris Sud XI (now Univ. Paris Saclay)
2008	MSc (Dipl. Ing.): Ecole Centrale Paris

- **INTERNATIONAL RECOGNITION (honors, prizes)**

- 2022 Best paper award at WAISE@Safecom
- 2019 1-year délégation at INRIA Paris (declined due to taking up research position at IRT Saint Exupéry)
- 2016 3-months mobility grant awarded by CIMI, Toulouse
- 2013 Best reviewer award, NIPS 2013 (out of a total of 100 awards)

- **SUPERVISION:** 5 PhD students (2 on-going), 2 postdocs, 5 project staff

- **SCIENTIFIC PRODUCTION:** [Google Scholar](#)

- **5 MOST RELEVANT PAPERS (10 last years), Google Scholar Id: 8G2cOt4AAAAJ, h index: 11**

1. E.M. Achour, A. Foucault, S. Gerchinovitz, and F. Malgouyres, ‘A general approximation lower bound in Lp norm, with applications to feed-forward neural networks’, NeurIPS 2022.
2. F. Bachoc, T.R. Cesari, and S. Gerchinovitz, ‘Instance-dependent bounds for zeroth-order Lipschitz optimization with error certificates’, NeurIPS 2021.
3. F. Bachoc, T.R. Cesari, and S. Gerchinovitz, ‘The sample complexity of level set approximation’, AISTATS 2021 (top 3%, oral presentation).
4. G. Jauvion, N. Grislain, P. Dkengne Sielenou, A. Garivier, and S. Gerchinovitz, ‘Optimization of a SSP’s header bidding strategy using Thompson sampling’, KDD 2018 (Applied Data Science track).
5. N. Cesa-Bianchi, P. Gaillard, C. Gentile, and S. Gerchinovitz, ‘Algorithmic chaining and the role of partial feedback in online nonparametric learning’, COLT 2017.

- **EDITORIAL ACTIVITIES**

- Since 2021: Editorial Board member, Machine Learning Journal
- Since 2020: PC member of COLT 2020, 2021, 2022 and 2023
- Since 2018: (Senior) PC member of ALT 2018, 2019 and 2022
- Since 2011: Reviewer for JMLR, Ann. Stat., Theor. Comput. Sci., Electron. J. Stat., IEEE Trans. Inf. Theory, IEEE Trans. Signal Process., as well as COLT, N(eur)IPS, ALT, AISTATS, and ICML

- **COLLABORATIONS:**

- **ANITI chair** “Game theory and AI” (2019–2023), co-chair.
- **Research visit** (Oct. 2019) at CWI Amsterdam.
- **Research visit** (Sep.-Oct. 2017) at University of Berkeley, Statistics department.
- **Research visit** (Oct. 2016 and Oct. 2018) at University of Milan, Computer Science department.
- **ANR project [ALICIA](#)** (2014-2018): Adaptive Learning for Intelligent Crowdsourcing and Information Access.
- **ANR project [SPADRO](#)** (2014-2018): Statistique Semi-Paramétrique pour l’Allocation Dynamique de Ressources et l’Optimisation.

- **TEACHING ACTIVITIES:**

- 2012–2019: 150+ hrs/year, BSc and MSc levels. Courses and hands-on in probability, statistics, machine learning, calculus, linear algebra, mathematical modelling.
- Since 2019: about 40 hrs/year at MSc level: introduction to bandits and reinforcement learning (INSA de Toulouse, ENSEEIHT, CERFACS), Mathematical foundations of deep learning (Master MVA, Paris).

GUILLAUME Romain (ORCID: 0000-0003-4978-630X)Nationality: French, web site: <https://www.irit.fr/~Romain.Guillaume/>

- **CURRENT POSITIONS**

Associate Professor, Université de Toulouse:
Jean-Jaurès/Institut de Recherche en informatique de Toulouse



- **EDUCATION**

2011 PhD, Toulouse University (Jean-Jaurès),
2008 MSc: Automatic, Computer and Decision Support Systems, Toulouse University, France
2008 Dipl. Ing.: ENI Tarbes, France

- **FELLOWSHIPS AND AWARDS**

- 2021 Best Paper Finalist Award FUZZ IEEE 2021

- **SUPERVISION:** Supervised 6 PhD students (1 on-going), 8 Master Students, Université Toulouse - Jean Jaurès

- **SCIENTIFIC PRODUCTION:** <https://www.irit.fr/~Romain.Guillaume/>

- **5 MOST RELEVANT PAPERS (10 last years), h index: 11**

1. T. Porteleau, C. Artigues, R. Guillaume, ‘Robust decision trees for the multi-mode project scheduling problem with a resource investment objective and uncertain activity duration’, Euro. J. O.R., (2023).
2. R. Guillaume, A. Kasperski, P. Zielinski, ‘Robust inventory problem with budgeted cumulative demand uncertainty’, Optim. Lett. 16(9): 2543-2556 (2022)
3. R. Guillaume, C. Thierry, P. Zielinski, ‘Robust material requirement planning with cumulative demand under uncertainty’, Int. J. Prod. Res. 55(22): 6824-6845 (2017)
4. M. Goerigk, R. Guillaume, A. Kasperski, Pawel Zielinski, ‘Robust optimization with belief functions’, Int. J. Approx. Reason. 159, 108941 (2023)
5. H. Fargier, R. Guillaume: Sequential decision making under ordinal uncertainty, ‘A qualitative alternative to the Hurwicz criterion’, Int. J. Approx. Reason. 116: 1-18 (2020)

- **EDITORIAL ACTIVITIES**

- 2019 PC member of FLA 2019, 14-15 Nov 2019, Alès.
- 2015 PC member of JFPDA 2015.
- 2015 PC member of JFPDA 2015.

- **COLLABORATIONS**

- **ANR HOUSES (2022-2025)**. Collaboration on the harmonization of the exploitation of spatialized environmental data taking into account the uncertainties. BRGM (J. Rohmer, A. Henriot, S. Belbeze), ARMINES (C. de Fouquet, F. Ors, T. Romary), HEUDIASYC (S. Destercke, B. Quost, JB. Leger), IRIT (D. dubois, H. Fargier, R. Guillaume) and HESUS (C. Eychene, E. Cazeneuve, C. Chabrol). Role: coordinator of WPs. Funding 622.7 k€
- **ANITI chair on “Knowledge Compilation, preferences, uncertainties” (2019-2023)**. Collaboration with IRIT (H. Fargier, R. Guillaume, J. Mengin), LAAS (C. Artigues), ONERA (C. Pralet) and Airbus (G. Poveda, F. Teichteil). Role: co-chair. Funding 480 k€.
- **ANR PER4MANCE (2018-2022)**. Collaboration is on assembly line management under uncertainty and ergonomic risk. ISAE-SUPAERO (O. Bataña, A. Hait, R. Roy), SCOTE (J. Cegarra), LAAS (C. Artigues, P. Lopez, C. Briand), IRIT (H. Fargier, R. Guillaume, C. Thierry), ESTII (M. Ortega Mier, A. Garcia Sanchez) Airbus (F. Mas Morate, T. Borreguero-Sanchidrian, G. Cohenca) and Dassault Aviation (A. Chamard, P. Walter, K. Vergnes-Davezac). Role: coordinator of WPs. Funding 453.5k€.
- **ANR CAASC (2018-2022)**. Collaboration on supply chain risk management. ARMINES/Mines Albi (J. Lamothe, S. Truptil, B. Vacher, A. Montarnal, J. Lesbegueries), IRIT (H. Fargier, R. Guillaume, C. Thierry), LINAGORA GSO (JP. Lorré, S. Zribi, Y. Benazzouz) and PFDC (C. Rousse, J. Debono). Role: coordinator of WPs. Funding 610.5 k€.

- **TEACHING ACTIVITIES**

MCF – about 170h/years operational research, decision theory, propositional logic, fuzzy logic: Université Toulouse - Jean Jaurès

TEICHTTEIL-KOENIGSBUCH Florent (ORCID: 0000-0001-6815-096X)Nationality: French, web site: <https://www.linkedin.com/in/florent-teichteil-koenigsbuch-a198453b/>

- **CURRENT POSITION**

Expert on AI Decision-Making
and Combinatorial Optimization
AIRBUS SAS, France

ANITI Key Account Manager
AIRBUS SAS, France

- **EDUCATION**

2005 PhD, University of
Toulouse and ONERA,
France

2002 MSc (Dipl. Ing.): Aerospace
Engineering Degree,
SUPAERO, France

- **FELLOWSHIPS AND AWARDS**

- 2022 Distinguished PC-Member (top 3%), IJCAI-ECAI 2022
- 2021 Outstanding Senior Program Committee Member, AAAI 2021
- 2016 Winner of the Airbus/NavBlue innovathon on flight operation services
- 2008 Winner of the International Probabilistic Planning Competition (organized by ICAPS 2008)
- 2007 – 2008 French Defense Agency grant to collaborate on AI Decision-Making and Aerial Robotics Research with the University of Maryland in Pr Dana Nau's team, USA

- **SUPERVISION: 7 PhD students (1 on-going), 1 postdoc, 10 project staff**

- **5 MOST RELEVANT PAPERS (10 last years), Google Scholar Id: avOLwIYAAAAJ, h index: 15**

1. F. Teichteil-Königsbuch, G. Pováda, G. Gonzalez de Garibay Barba, T. Luchterhand, S. Thiébaux 2023, 'Fast and Robust Resource-Constrained Scheduling with Graph Neural Networks', 33rd Int. Conf. on Automated Planning & Scheduling (ICAPS)
2. F. Teichteil-Königsbuch, M. Ramirez, N. Lipovetzky 2020, 'Boundary Extension Features for Width-Based Planning with Simulators on Continuous-State Domains', 29th Int. Joint Conf. Artificial Intelligence (IJCAI)
3. C. Ponzoni Carvalho Chanel, A. Albore, J. THoof, C. Lesire, F. Teichteil-Königsbuch 2019, 'AMPLE: an anytime planning and execution framework for dynamic and uncertain problems in robotics', *Autonomous Robots* 43(1): 37-62
4. F. W. Trevizan, F. Teichteil-Königsbuch, S. Thiébaux 2017, 'Efficient solutions for Stochastic Shortest Path Problems with Dead Ends', 33rd Conf. on Uncertainty in Artificial Intelligence (UAI)
5. J. Spraul, A. Kolobov, F. Teichteil-Königsbuch 2014, 'Saturated Path-Constrained MDP: Planning under Uncertainty and Deterministic Model-Checking Constraints', 28th AAAI Conf. Artificial Intelligence (AAAI)

- **EDITORIAL ACTIVITIES**

- Since 2024: Area Chair at AAAI
- Since 2021: Senior Program Committee at IJCAI and AAAI
- Since 2005: Program Committee at ICAPS, ECAI, IJCAI, AAAI, AIJ, JAIR

- **COLLABORATIONS: (selection over the past 5 years)**

- **Horizon EU Project "TUPLES" (2022-2025)**. Collaboration on *neuro-symbolic methods, explanations, and verification, for planning and scheduling*, between ANITI (N. Asher, E. Hebrard, S. Thiébaux), USaar (J. Hoffmann), KU Leuven (J. Davis, T. Guns), U. Bologna (M. Lombardi, M. Monacci, L. Pietrantoni, D. Vigo), CVUT (S. Edelkamp, O. Kuzelka, R. Horcik, F. Zeleleny), Airbus (F. Teichteil, G. Poveda, N. Alvarez, A. Nottle, M. Hall, S. Quintana-Amate), Optit (A. Gordini, M. Pozzi), Scisports (L. Bransen, F. Goes). Role: Airbus representative, WP6 lead. Funding: €4.4M.
- **H2020 EU Project "AIPlan4EU" (2019-2023)**. Collaboration on *Bringing AI Planning to the European AI On-Demand Platform*, between FBK, CNRS, DFKI, Örebro University, Basel University, Università degli Studi di Brescia, Università degli studi di Roma "La Sapienza", Airbus, Agrotech Valley Forum, F6S, Magazino, Meritor AB, Procter & Gamble Services Company NV, Saipem, and Trasys International. Role: Airbus representative. Funding: €5.5M.
- **ANITI chair on "Knowledge Compilation, preferences, uncertainties" (2019-2023)**. Collaboration with IRIT, LAAS, ONERA and Airbus. Role: research collaborator
- **Airbus project "DONUT" (2017-2020)**. Collaboration between Airbus, ANU and UC3M on *planning & scheduling under uncertainty for aerospace applications*. Role: Project lead. Budget: €2.4M.
- **Airbus project "Learning To Fly" (2018-2019)**. Collaboration between Airbus, IRIT (S. Cussat-Blanc) and Melbourne University on *learning aircraft control policies from simulation*. Role: Researcher collaborator. Budget: €610K