François Schwarzentruber

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Main research interests: artificial intelligence, multi-agent systems, epistemic reasoning

Appointments

2011 - ?	Associate professor (maître de conférences) in computer science *- École Normale Supérieure de Rennes- IRISA, France*
spring 2015	Visitor member of CELLO at LORIA, Nancy, France
spring 2012	Visitor member at University of Luxembourg
2010 - 2011	ATER (attaché temporaire d'enseignement et de recherche) (non permanent researcher position) - *University of Toulouse 3 - IRIT*

Education

2019	Habilitation à diriger des recherches -*École normale normale supérieure de Rennes*
2007 - 2010	PhD in Artificial Intelligence - *University of Toulouse 3 - IRIT*
2006 - 2007	Master 2 in artificial intelligence - *University of Toulouse 3* -
2005 - 2006	Competitive examination for being a teacher "Agrégation" in mathematics (option computer science) *- École Normale Supérieure de Cachan- University of Rennes 1*- 34th

Languages

English	Fluent speaker (score TOEIC: 830)
French	Native speaker
Alsatian	Native speaker but forgotten
	Very few notions of Arabic, Italian, Russian, German, etc.

Teaching

More than 600 hours in Bachelor's degree, Master 1 and agrégation (courses at master's degree in computer science for preparation at a competitive exam to become a teacher)

Educational projects

- Development of a SAT solver graphical interface, called SAToulouse (now SATRennesPA) for a Bachelor's degree course I taught in Toulouse;
- Development of an proof assistant for natural deduction, called Panda, for a Bachelor's degree course I taught in Toulouse (2010);
- Development of a model checker and its graphical interface for a graphical epistemic logic I have created (2011).
- Since 2015, development of *Hintikka's World*, a tool for teaching modal logic, epistemic logic. Presented as demonstrations at IJCAI-ECAI 2018 and IJCAI 2019. Used in tutorials at IJCAI-ECAI2018, AAMAS2019, IJCAI2019.

Projects

- 2013-2015: Associated team DISTOL (DIStributed and STOchastic systems, Logic)
- 2018-: member of the RETINA project

Activities

Tutorials

- AAMAS 2019 Epistemic reasoning in multi-agent systems
- IJCAI 2019 Epistemic reasoning in AI
- IJCAI-ECAI 2018 Epistemic reasoning in AI

Organization

- Workshop SR (strategic reasoning) 2019 IJCAI 2019
- FMAI 2019 (Formal methods and AI)
- RJCIA2018 (Rencontres jeunes chercheurs en Intelligence Artificielle)
- TTL2015 (4th International Conference on Tools for Teaching Logic)
- LOFT 2010 (9th Conference on Logic and the Foundations of Game and Decision Theory)

Program Commitee

- RJCIA 2016 (Rencontre des Jeunes Chercheurs en Intelligence Artificielle);
- PRIMA 2015, 2016, 2018, 2019 (Principles and Practice of Multi-Agent Systems);
- KR 2018 (Knowledge representation);
- AAMAS 2015, 2018, 2019 (International Conference on Autonomous agents and multiagent systems);
- DARe 2014, 2015, 2016 (International Workshop on Defeasible and Ampliative Reasoning);
- CLIMA2014 (International Workshop on Computational Logic in Multi-Agent Systems);
- IDAS@ESSLLI2014 (Information Dynamics in Artificial Societies Workshop);
- IJCAI 2011, 2016, 2017, 2018, 2019 (International Joint Conferences on Artificial Intelligence);
- AAAI 2019, 2000 (Advancement of Artificial Intelligence);
- demonstration track at IJCAI 2019

Reviewer

- Journals: Synthese, JANCL, Studia Logica, The Review of Symbolic Logic, Journal of Applied Non-Classical Logics, Artificial Intelligence;
- AAMAS (International conference on autonomous agents and multi-agent systems) 2009, 2013, 2014, 2017;
- AIMSA 2014 (International Conference on Artificial Intelligence: Methodology, Systems, Applications);
- MSR 2013 (Modélisation des Systèmes Réactifs);
- TARK (Theoretical Aspects of Rationality and Knowledge) 2011, 2013;
- AiML (Advances in Modal Logic) 2008, 2010;
- M4M 2010, 2016 (Method for Modalities);
- ICAART 2010 (International Conference on Agents and Artificial Intelligence);
- STACS 2016 (International Symposium on Theoretical Aspects of Computer Science);
- COMSOC 2008 (International Workshop on Computational Social Choice);
- SR 2015 (International Workshop on Strategic Reasoning)
- TIME 2019

Administration

- Member of the Scientific Council of École Normale Supérieure de Rennes (2015-2019)
- Member of the Administrative Council of École Normale Supérieure de Rennes (2019-)
- Member of the CPE (commission paritaire d'établissement) at École Normale Supérieure de Rennes (2019-)

Student supervision

PhD students

2018-2020 Arthur Queffelec. 50% co-supervised with Ocan Sankur
Robustness and Optimality in Strategic Reasoning

2018-2020 Sébastien Lê Cong. 50% "encadrant", co-supervised with Sophie Pinchinat
Synthesis of Attack Trees

2015-2018 Tristan Charrier. 80% "encadrant", co-supervised with Sophie Pinchinat
Theoretical complexity of reasoning in dynamic epistemic logic and symbolic approaches

Master 2 students

2018 Arthur Queffelec. 50% co-supervised with Ocan Sankur
Trade-off between Robustness and Optimality in Strategic Reasoning

2017 Sébastien Lê Cong. 50% co-supervised with Sophie Pinchinat
Expressiveness of single-rooted DEL (dynamic epistemic logic) structures

2014 Tristan Charrier. 50% co-supervised with Sophie Pinchinat
Communications with cameras in epistemic modal logic

2013 Gaspard Douady. 50% co-supervised with Sophie Pinchinat
An automaton approach to Kripke semantics

Master 1 students

2019 Hai Trung Pham 100%
Improvement if the software architecture of Hintikka's World.

2019 Adrien Weyl 50% co-supervised with Arthur Queffelec
Improvement if the software architecture of Hintikka's World.

2018 Anass Lalkha. 100%
An automaton approach to Kripke semantics

2017 Eva Soulier. 50% co-supervised with Tristan Charrier
Generation of strategies for a multi-drone system.

Bachelor students

2017 Gaëtan Douéneau. 50% co-supervised with Sophie Pinchinat
Regular properties of DEL structures

Talks

1. Knowledge-Based Policies for Qualitative Decentralized POMDPs. Rennes, 25 january 2018, 14h.
2. Hintikka's World. Bochum, 16 december 2017. Doxastic Agency and Epistemic Logic. Notes
3. IME (Institut médico-éducatif) Le 3 Mâts, Betton, 23 january 2017. Discussion for a potential software for children.
4. Intelligent artificial agents that detect and produce lies Lorentz center workshop. The Invention of Lying: Language, Logic & Cognition from 9 Jan 2017 through 13 Jan 2017.
5. Overview about Epistemic planning A decade of ICR, Luxembourg, 17-18 march 2016
6. Asynchronous announcements in a public channel at the rump session at the workshop 'To be announced', 17-21 august 2015
7. Tutorial: Dynamic epistemic logic and complexity results, Labex Cimi, 22 june 2015
8. Arbitrary public announcement logic with mental programs, Labex Cimi, 23 june 2015
9. Arbitrary public announcement logic with mental programs, ANR DynRes meeting, 13 april 2015
10. Flatland logic Kanazawa Workshop for Epistemic Logic and its Dynamic Extensions, 21-22 february 2014.
11. Big Brother Logic. 68NQRT, IRISA, Rennes (Mini workshop for the PhD defense of Bastien Maubert), 16 january 2014
12. Flatland logic: robots and cameras. "Planning with epistemic goals". Dagstuhl seminar. 15 january 2014
13. On the Complexity of Dynamic Epistemic Logic. International workshop "Believing, planning, acting, revising", 5 july 2013.
14. Flatland logic. VaToMAS Dagstuhl seminar, 1 may 2013.
15. About Automated Reasoning and Dynamic Epistemic Logic. Free university of Bolzano, 19 june 2012.
16. One hour Tour in STIT Countryside. University of Luxembourg, 21 may 2012.
17. Tableau Method and NEXPTIME-Completeness of DEL-Sequents. University of Luxembourg, 27 february 2012.
18. Tableau Method and NEXPTIME-Completeness of DEL-Sequents. Ruhr-Universität Bochum, 26 january 2012.
19. Complexity results of STIT fragments. Ruhr-Universität Bochum, 19 january, 2012.
20. Trois applications de la logique modale. CAPP-café. LIG, Grenoble, 5 may 2011.
21. Seeing, knowing, doing. 68NQRT, IRISA, Rennes, 31 march 2011.
22. Quelques outils pédagogiques pour un cours de logique, séminaire pédagogique, IRISA, Rennes, 29 march 2011.
23. Seeing, knowing, doing. Saarbrucken, Max Planck Institute, 14 december 2010.
24. Epistemic reasoning in Lineland. Advances in Modal Logic (AiML 2010) (with Olivier Gasquet, Philippe Balbiani)
25. Représentation des connaissances dans flatland (RTE 2010 in RFIA 2010) (with Olivier Gasquet, Philippe Balbiani).
26. A semantics for an event based generic tableau prover. TABLEAUX 2009, Oslo, Norway (with Olivier Gasquet, Bilal Said)
27. Knowledge about lights along a line (FAMAS 2009, Torino).
28. A non-normal geometric logic related to the coalition logic (Decisions, games and logic 2008, Amsterdam).

Publications

Books (2)

[LS15] Romain Legendre and François Schwarzentruber. *Compilation : Analyse lexicale et syntaxique du texte à sa structure en informatique*. Reference Sciences. Ellipses, 2015.

[Gas+14] Olivier Gasquet et al. *Kripke's Worlds - An Introduction to Modal Logics via Tableaux*. Studies in Universal Logic. Birkhäuser, 2014. ISBN: 978-3-7643-8503-3. DOI: 10.1007/978-3-7643-8504-0. URL: http://dx.doi.org/10.1007/978-3-7643-8504-0.

Book chapters (2)

[Bro+13] Jan Broersen et al. "Normative Reasoning and Consequence". In: *Normative Multi-Agent Systems*. 2013, pp. 33–70. DOI: 10.4230/DFU.Vol4.12111.33. URL: http://dx.doi.org/10.4230/DFU.Vol4.12111.33.

[Bal+08] Philippe Balbiani et al. "Coalition games over Kripke semantics". anglais. In: *Dialogues, Logics and Other Strange Things – Essays in Honour of Shahid Rahman*. Ed. by Cédric Dégremont, Laurent Keiff, and Helge Rückert. http://www.collegepublications.co.uk/: College Publications, Oct. 2008, pp. 11–32.

Articles (12)

[KMS19] Sophia Knight, Bastien Maubert, and François Schwarzentruber. "Reasoning about knowledge and messages in asynchronous multi-agent systems". In: *Mathematical Structures in Computer Science* 29.1 (2019), pp. 127–168. DOI: 10.1017/S0960129517000214. URL: https://doi.org/10.1017/S0960129517000214.

[Are+17] Carlos Areces et al. "The modal logic of copy and remove". In: *Inf. Comput.* 255 (2017), pp. 243–261. DOI: 10.1016/j.ic.2017.01.004. URL: https://doi.org/10.1016/j.ic.2017.01.004.

[Dit+17] Hans van Ditmarsch et al. "Epistemic protocols for dynamic gossip". In: *J. Applied Logic* 20 (2017), pp. 1–31. DOI: 10.1016/j.jal.2016.12.001. URL: http://dx.doi.org/10.1016/j.jal.2016.12.001.

[Bol+16] Thomas Bolander et al. "Announcements to Attentive Agents". In: *Journal of Logic, Language and Information* 25.1 (2016), pp. 1–35. DOI: 10.1007/s10849-015-9234-3. URL: http://dx.doi.org/10.1007/s10849-015-9234-3.

[GGS15] Olivier Gasquet, Valentin Goranko, and François Schwarzentruber. "Big Brother Logic: visual-epistemic reasoning in stationary multi-agent systems". English. In: *Autonomous Agents and Multi-Agent Systems* (2015), pp. 1–33. ISSN: 1387-2532. DOI: 10.1007/s10458-015-9306-4. URL: http://dx.doi.org/10.1007/s10458-015-9306-4.

[GLS15] Davide Grossi, Emiliano Lorini, and François Schwarzentruber. "The Ceteris Paribus Structure of Logics of Game Forms". In: (2015).

[Sch15] François Schwarzentruber. "Drawing Interactive Euler Diagrams from Region Connection Calculus Specifications". In: *Journal of Logic, Language and Information* (2015), pp. 1–34.

[BGS13] Philippe Balbiani, Olivier Gasquet, and François Schwarzentruber. "Agents that look at one another". In: *Logic Journal of the IGPL* 21.3 (2013), pp. 438–467. DOI: 10.1093/jigpal/jzs052. URL: http://dx.doi.org/10.1093/jigpal/jzs052.

[GLS13] Davide Grossi, Emiliano Lorini, and François Schwarzentruber. "Ceteris Paribus Structure in Logics of Game Forms". In: *CoRR* abs/1310.6416 (2013). URL: http://arxiv.org/abs/1310.6416.

[Sch12] François Schwarzentruber. “Complexity Results of STIT Fragments”. In: *Studia Logica* 100.5 (2012), pp. 1001–1045. DOI: 10.1007/s11225-012-9445-4. URL: http://dx.doi.org/10.1007/s11225-012-9445-4.

[LS11] Emiliano Lorini and François Schwarzentruber. “A logic for reasoning about counterfactual emotions”. In: *Artif. Intell.* 175.3-4 (2011), pp. 814–847. DOI: 10.1016/j.artint.2010.11.022. URL: http://dx.doi.org/10.1016/j.artint.2010.11.022.

[LS10] Emiliano Lorini and François Schwarzentruber. “A Modal Logic of Epistemic Games”. In: *Games* 1.4 (2010), pp. 478–526. DOI: 10.3390/g1040478. URL: http://dx.doi.org/10.3390/g1040478.

Conferences (47)

[Cha+19a] Tristan Charrier et al. “Hintikka’s World: Scalable Higher-order Knowledge”. In: *Proceedings of the Twenty-Eighth International Joint Conference on Artificial Intelligence, IJCAI 2019, Macao, China, August 10-16, 2019*. 2019, pp. 6494–6496. DOI: 10.24963/ijcai.2019/934. URL: https://doi.org/10.24963/ijcai.2019/934.

[Cha+19b] Tristan Charrier et al. “Reachability and Coverage Planning for Connected Agents”. In: *Proceedings of the 18th International Conference on Autonomous Agents and MultiAgent Systems, AAMAS ’19, Montreal, QC, Canada, May 13-17, 2019*. 2019, pp. 1874–1876. URL: http://dl.acm.org/citation.cfm?id=3331948.

[Cha+19c] Tristan Charrier et al. “Reachability and Coverage Planning for Connected Agents”. In: *Proceedings of the Twenty-Eighth International Joint Conference on Artificial Intelligence, IJCAI 2019, Macao, China, August 10-16, 2019*. 2019, pp. 144–150. DOI: 10.24963/ijcai.2019/21. URL: https://doi.org/10.24963/ijcai.2019/21.

[MPS19] Bastien Maubert, Sophie Pinchinat, and François Schwarzentruber. “Reachability Games in Dynamic Epistemic Logic”. In: *Proceedings of the Twenty-Eighth International Joint Conference on Artificial Intelligence, IJCAI 2019, Macao, China, August 10-16, 2019*. 2019, pp. 499–505. DOI: 10.24963/ijcai.2019/71. URL: https://doi.org/10.24963/ijcai.2019/71.

[Bod+18] François Bodin et al. “Generating Plans for Cooperative Connected UAVs”. In: *Proceedings of the Twenty-Seventh International Joint Conference on Artificial Intelligence, IJCAI 2018, July 13-19, 2018, Stockholm, Sweden*. 2018, pp. 5811–5813. DOI: 10.24963/ijcai.2018/846. URL: https://doi.org/10.24963/ijcai.2018/846.

[CS18] Tristan Charrier and François Schwarzentruber. “Complexity of Dynamic Epistemic Logic with Common Knowledge”. In: *Advances in Modal Logic 7, papers from the 12th conference on "Advances in Modal Logic," held in Bern, Switzerland, 27-31 August 2018*. 2018.

[CPS18] Sébastien Lê Cong, Sophie Pinchinat, and François Schwarzentruber. “Small Undecidable Problems in Epistemic Planning”. In: *Proceedings of the Twenty-Seventh International Joint Conference on Artificial Intelligence, IJCAI 2018, July 13-19, 2018, Stockholm, Sweden*. 2018, pp. 4780–4786. DOI: 10.24963/ijcai.2018/664. URL: https://doi.org/10.24963/ijcai.2018/664.

[DPS18] Gaëtan Douéneau-Tabot, Sophie Pinchinat, and François Schwarzentruber. “Chain-Monadic Second Order Logic over Regular Automatic Trees and Epistemic Planning Synthesis”. In: *Advances in Modal Logic 7, papers from the 12th conference on "Advances in Modal Logic," held in Bern, Switzerland, 27-31 August 2018*. 2018.

[SSZ18] Abdallah Saffidine, François Schwarzentruber, and Bruno Zanuttini. “Knowledge-Based Policies for Qualitative Decentralized POMDPs”. In: *Proceedings of the Thirty-Second AAAI Conference on Artificial Intelligence, (AAAI-18), the 30th innovative Applications of Artificial Intelligence (IAAI-18), and the 8th AAAI Symposium on Educational Advances in Artificial Intelligence (EAAI-18), New Orleans, Louisiana, USA, February 2-7, 2018*. 2018, pp. 6270–6277. URL: https://www.aaai.org/ocs/index.php/AAAI/AAAI18/paper/view/17029.

[Sch18] François Schwarzentruber. “Hintikka’s World: Agents with Higher-order Knowledge”. In: *Proceedings of the Twenty-Seventh International Joint Conference on Artificial Intelligence, IJCAI 2018, July 13-19, 2018, Stockholm, Sweden*. 2018, pp. 5859–5861. DOI: 10.24963/ijcai.2018/862. URL: https://doi.org/10.24963/ijcai.2018/862.

[CPS17] Tristan Charrier, Sophie Pinchinat, and François Schwarzentruber. “Model Checking Against Arbitrary Public Announcement Logic: A First-Order-Logic Prover Approach for the Existential Fragment”. In: *Dynamic Logic. New Trends and Applications - First International Workshop, DALI 2017, Brasilia, Brazil, September 23-24, 2017, Proceedings*. 2017, pp. 133–152. DOI: 10.1007/978-3-319-73579-5_9. URL: https://doi.org/10.1007/978-3-319-73579-5%5C_9.

[CS17] Tristan Charrier and François Schwarzentruber. “A Succinct Language for Dynamic Epistemic Logic”. In: *Proceedings of the 16th Conference on Autonomous Agents and MultiAgent Systems, AAMAS 2017, São Paulo, Brazil, May 8-12, 2017*. 2017, pp. 123–131. URL: http://dl.acm.org/citation.cfm?id=3091148.

[GLS17] Davide Grossi, Emiliano Lorini, and François Schwarzentruber. “The Ceteris Paribus Structure of Logics of Game Forms (Extended Abstract)”. In: *Proceedings of the Twenty-Sixth International Joint Conference on Artificial Intelligence, IJCAI 2017, Melbourne, Australia, August 19-25, 2017*. 2017, pp. 5000–5004. DOI: 10.24963/ijcai.2017/710. URL: https://doi.org/10.24963/ijcai.2017/710.

[HST17] Aaron Hunter, François Schwarzentruber, and Eric Tsang. “Belief Manipulation Through Propositional Announcements”. In: *Proceedings of the Twenty-Sixth International Joint Conference on Artificial Intelligence, IJCAI 2017, Melbourne, Australia, August 19-25, 2017*. 2017, pp. 1109–1115. DOI: 10.24963/ijcai.2017/154. URL: https://doi.org/10.24963/ijcai.2017/154.

[LS17] Emiliano Lorini and François Schwarzentruber. “A Path in the Jungle of Logics for Multi-agent System: On the Relation between General Game-playing Logics and Seeing-to-it-that Logics”. In: *Proceedings of the 16th Conference on Autonomous Agents and MultiAgent Systems, AAMAS 2017, São Paulo, Brazil, May 8-12, 2017*. 2017, pp. 687–695. URL: http://dl.acm.org/citation.cfm?id=3091224.

[CMS16] Tristan Charrier, Bastien Maubert, and François Schwarzentruber. “On the Impact of Modal Depth in Epistemic Planning”. In: *Proceedings of the Twenty-Fifth International Joint Conference on Artificial Intelligence, IJCAI 2016, New York, USA, July 12-15, 2016*. 2016.

[Cha+16] Tristan Charrier et al. “Building Epistemic Logic from Observations and Public Announcements”. In: *Principles of Knowledge Representation and Reasoning: Proceedings of the Fifteenth International Conference, KR 2016, Cape Town, South Africa, April 25-29, 2016*. 2016, pp. 268–277. URL: http://www.aaai.org/ocs/index.php/KR/KR16/paper/view/12899.

[Her+16a] Andreas Herzig et al. “Epistemic Boolean Games Based on a Logic of Visibility and Control”. In: *Proceedings of the Twenty-Fifth International Joint Conference on Artificial Intelligence, IJCAI 2016, New York, USA, July 12-15, 2016*. 2016.

[Her+16b] Andreas Herzig et al. “Epistemic boolean games based on a logic of visibility and control (regular paper)”. anglais. In: *International Joint Conference on Artificial Intelligence (IJCAI), New York, 09/07/2016-15/07/2016*. Ed. by Subbarao Kambhampati. http://www.aaai.org/Press/press.php: AAAI Press, July 2016. URL: http://www.irit.fr/~Andreas.Herzig/P/Ijcai16.html.

[Sch16] François Schwarzentruber. “A Tool for Generating Interactive Euler Diagrams (demo)”. In: *Proceedings of the Twenty-Fifth International Joint Conference on Artificial Intelligence, IJCAI 2016, New York, USA, July 12-15, 2016*. 2016.

[BJS15a] Thomas Bolander, Martin Holm Jensen, and François Schwarzentruber. “Complexity Results in Epistemic Planning”. In: *Proceedings of the Twenty-Fourth International Joint Conference on Artificial Intelligence, IJCAI 2015, Buenos Aires, Argentina, July 25-31, 2015*. 2015, pp. 2791–2797. URL: http://ijcai.org/papers15/Abstracts/IJCAI15-395.html.

[BJS15b] Thomas Bolander, Martin Holm Jensen, and François Schwarzentruber. “Complexity Results in Epistemic Planning”. In: *Proceedings of the Twenty-Fourth International Joint Conference on Artificial Intelligence, IJCAI 2015, Buenos Aires, Argentina, July 25-31, 2015*. 2015, pp. 2791–2797. URL: http://ijcai.org/Abstract/15/395.

[CS15] Tristan Charrier and François Schwarzentruber. “Arbitrary Public Announcement Logic with Mental Programs”. In: *Proceedings of the 2015 International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2015, Istanbul, Turkey, May 4-8, 2015*. 2015, pp. 1471–1479. URL: http://dl.acm.org/citation.cfm?id=2773340.

[HS15] Aaron Hunter and François Schwarzentruber. “Arbitrary Announcements in Propositional Belief Revision”. In: *Proceedings of the International Workshop on Defeasible and Ampliative Reasoning, DARe 2015, co-located with the 24th International Joint Conference on Artificial Intelligence (IJCAI 2015), Buenos Aires, Argentina, July 27, 2015.* 2015. URL: http://ceur-ws.org/Vol-1423/DARe-15_4.pdf.

[KMS15] Sophia Knight, Bastien Maubert, and François Schwarzentruber. “Asynchronous Announcements in a Public Channel”. In: *Theoretical Aspects of Computing - ICTAC 2015 - 12th International Colloquium Cali, Colombia, October 29-31, 2015, Proceedings*. 2015, pp. 272–289. DOI: 10.1007/978-3-319-25150-9_17. URL: http://dx.doi.org/10.1007/978-3-319-25150-9_17.

[Ma+15] Minghui Ma et al. “Tableaux for Non-normal Public Announcement Logic”. In: *Logic and Its Applications - 6th Indian Conference, ICLA 2015, Mumbai, India, January 8-10, 2015. Proceedings*. 2015, pp. 132–145. DOI: 10.1007/978-3-662-45824-2_9. URL: http://dx.doi.org/10.1007/978-3-662-45824-2_9.

[Are+14] Carlos Areces et al. “Logics with Copy and Remove”. In: *Logic, Language, Information, and Computation - 21st International Workshop, WoLLIC 2014, Valparaıéso, Chile, September 1-4, 2014. Proceedings*. 2014, pp. 51–65. DOI: 10.1007/978-3-662-44145-9_4. URL: http://dx.doi.org/10.1007/978-3-662-44145-9_4.

[COS14] Tristan Charrier, Florent Ouchet, and François Schwarzentruber. “Big brother logic: reasoning about agents equipped with surveillance cameras in the plane (demonstration)”. In: *International conference on Autonomous Agents and Multi-Agent Systems, AAMAS ’14, Paris, France, May 5-9, 2014*. 2014, pp. 1633–1634. URL: http://dl.acm.org/citation.cfm?id=2616099.

[ES14] Jan van Eijck and François Schwarzentruber. “Epistemic Probability Logic Simplified”. In: *Advances in Modal Logic 10, invited and contributed papers from the tenth conference on "Advances in Modal Logic," held in Groningen, The Netherlands, August 5-8, 2014*. 2014, pp. 158–177. URL: http://www.aiml.net/volumes/volume10/Eijck-Schwarzentruber.pdf.

[GGS14] Olivier Gasquet, Valentin Goranko, and François Schwarzentruber. “Big brother logic: logical modeling and reasoning about agents equipped with surveillance cameras in the plane”. In: *International conference on Autonomous Agents and Multi-Agent Systems, AAMAS ’14, Paris, France, May 5-9, 2014*. 2014, pp. 325–332. URL: http://dl.acm.org/citation.cfm?id=2615786.

[HPS14] Andreas Herzig, Pilar Pozos Parra, and François Schwarzentruber. “Belief Merging in Dynamic Logic of Propositional Assignments”. In: *Foundations of Information and Knowledge Systems - 8th International Symposium, FoIKS 2014, Bordeaux, France, March 3-7, 2014. Proceedings*. 2014, pp. 381–398. DOI: 10.1007/978-3-319-04939-7_19. URL: http://dx.doi.org/10.1007/978-3-319-04939-7_19.

[SH14] François Schwarzentruber and Jin-Kao Hao. “Drawing Euler Diagrams from Region Connection Calculus Specifications with Local Search”. In: *Logics in Artificial Intelligence - 14th European Conference, JELIA 2014, Funchal, Madeira, Portugal, September 24-26, 2014. Proceedings*. 2014, pp. 582–590. DOI: 10.1007/978-3-319-11558-0_41. URL: http://dx.doi.org/10.1007/978-3-319-11558-0_41.

[SS14] François Schwarzentruber and Caroline Semmling. “STIT is dangerously undecidable”. In: *ECAI 2014 - 21st European Conference on Artificial Intelligence, 18-22 August 2014, Prague, Czech Republic - Including Prestigious Applications of Intelligent Systems (PAIS 2014)*. 2014, pp. 1093–1094. DOI: 10.3233/978-1-61499-419-0-1093. URL: http://dx.doi.org/10.3233/978-1-61499-419-0-1093.

[AS13] Guillaume Aucher and François Schwarzentruber. “On the Complexity of Dynamic Epistemic Logic”. In: *Proceedings of the 14th Conference on Theoretical Aspects of Rationality and Knowledge (TARK 2013), Chennai, India, January 7-9, 2013*. 2013. URL: http://www.tark.org/proceedings/tark%5C_jan7%5C_13/p19-aucher.pdf.

[Dit+13] Hans P. van Ditmarsch et al. “Listen to Me! Public Announcements to Agents That Pay Attention - or Not”. In: *Logic, Rationality, and Interaction - 4th International Workshop, LORI 2013, Hangzhou, China, October 9-12, 2013, Proceedings*. 2013, pp. 96–109. DOI: 10.1007/978-3-642-40948-6_8. URL: http://dx.doi.org/10.1007/978-3-642-40948-6_8.

[AMS12] Guillaume Aucher, Bastien Maubert, and François Schwarzentruber. “Generalized DEL-Sequents”. In: *Logics in Artificial Intelligence - 13th European Conference, JELIA 2012, Toulouse, France, September 26-28, 2012. Proceedings*. 2012, pp. 54–66. DOI: 10.1007/978-3-642-33353-8_5. URL: http://dx.doi.org/10.1007/978-3-642-33353-8_5.

[SVR12] François Schwarzentruber, Srdjan Vesic, and Tjitze Rienstra. “Building an Epistemic Logic for Argumentation”. In: *Logics in Artificial Intelligence - 13th European Conference, JELIA 2012, Toulouse, France, September 26-28, 2012. Proceedings*. 2012, pp. 359–371. DOI: 10 . 1007 / 978 - 3 - 642 - 33353 - 8 _ 28. URL: http://dx.doi.org/10.1007/978-3-642-33353-8_28.

[AMS11] Guillaume Aucher, Bastien Maubert, and François Schwarzentruber. “Tableau Method and NEXPTIME-Completeness of DEL-Sequents”. In: vol. 278. 2011, pp. 17–30. DOI: 10.1016/j.entcs.2011.10.003. URL: http://dx.doi.org/10.1016/j.entcs.2011.10.003.

[GS11] Olivier Gasquet and François Schwarzentruber. “Concrete Epistemic Modal Logic: Flatland”. In: *Tools for Teaching Logic - Third International Congress, TICTTL 2011, Salamanca, Spain, June 1-4, 2011. Proceedings*. 2011, pp. 70–76. DOI: 10.1007/978-3-642-21350-2_9. URL: http://dx.doi.org/10.1007/978-3-642-21350-2_9.

[GSS11a] Olivier Gasquet, François Schwarzentruber, and Martin Strecker. “Panda: A Proof Assistant in Natural Deduction for All. A Gentzen Style Proof Assistant for Undergraduate Students”. In: *Tools for Teaching Logic - Third International Congress, TICTTL 2011, Salamanca, Spain, June 1-4, 2011. Proceedings*. 2011, pp. 85–92. DOI: 10.1007/978-3-642-21350-2_11. URL: http://dx.doi.org/10.1007/978-3-642-21350-2_11.

[GSS11b] Olivier Gasquet, François Schwarzentruber, and Martin Strecker. “Satoulouse: The Computational Power of Propositional Logic Shown to Beginners”. In: *Tools for Teaching Logic - Third International Congress, TICTTL 2011, Salamanca, Spain, June 1-4, 2011. Proceedings*. 2011, pp. 77–84. DOI: 10 . 1007 / 978 - 3 - 642 - 21350 - 2 _ 10. URL: http://dx.doi.org/10.1007/978-3-642-21350-2_10.

[Sch11b] François Schwarzentruber. “Seeing, Knowledge and Common Knowledge”. In: *Logic, Rationality, and Interaction - Third International Workshop, LORI 2011, Guangzhou, China, October 10-13, 2011. Proceedings*. 2011, pp. 258–271. DOI: 10.1007/978-3-642-24130-7_19. URL: http://dx.doi.org/10.1007/978-3-642-24130-7_19.

[GS10] Olivier Gasquet and François Schwarzentruber. “Knowledge in lineland”. In: *9th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2010), Toronto, Canada, May 10-14, 2010, Volume 1-3*. 2010, pp. 1537–1538. DOI: 10.1145/1838206.1838469. URL: http://doi.acm.org/10.1145/1838206.1838469.

[LS09] Emiliano Lorini and François Schwarzentruber. “A Logic for Reasoning about Counterfactual Emotions”. In: *IJCAI 2009, Proceedings of the 21st International Joint Conference on Artificial Intelligence, Pasadena, California, USA, July 11-17, 2009*. 2009, pp. 867–872. URL: http://ijcai.org/papers09/Papers/IJCAI09-148.pdf.

[LSH09] Emiliano Lorini, François Schwarzentruber, and Andreas Herzig. “Epistemic Games in Modal Logic: Joint Actions, Knowledge and Preferences All Together”. In: *Logic, Rationality, and Interaction, Second International Workshop, LORI 2009, Chongqing, China, October 8-11, 2009. Proceedings*. 2009, pp. 212–226. DOI: 10.1007/978-3-642-04893-7_17. URL: http://dx.doi.org/10.1007/978-3-642-04893-7_17.

[Sch09] François Schwarzentruber. “Knowledge about Lights along a Line”. In: *Proceedings of the Second Multi-Agent Logics, Languages, and Organisations Federated Workshops, Turin, Italy, September 7-10, 2009*. 2009. URL: http://ceur-ws.org/Vol-494/famaspaper4.pdf.

[HS08] Andreas Herzig and François Schwarzentruber. “Properties of logics of individual and group agency”. In: *Advances in Modal Logic 7, papers from the seventh conference on "Advances in Modal Logic" held in Nancy, France, 9-12 September 2008*. 2008, pp. 133–149. URL: http://www.aiml.net/volumes/volume7/Herzig-Schwarzentruber.pdf.

Thesis (2)

[Sch10] François Schwarzentruber. “Seeing, knowing, doing. Case studies in modal logic (PhD thesis)”. 2010.

[Sch07] François Schwarzentruber. “Décidabilité et complexité de la logique normale des coalitions”. français. Master thesis. Université Paul Sabatier, Toulouse: IRIT, June 2007. URL: http://www.irit.fr/~Francois.Schwarzentruber/documents/m2_rapport.pdf.

Hobbies

Piano	Some concerts in a nursing home
	Solist with orchestras (concerto n. 3, 4 from L. van Beethoven; Rhapsody in blue from G. Gerschwin)
	Masterclass with Gabriel Tacchino
	Concerts at *Champs Libres*, in Rennes, France
Flute	In orchestras
	Prices "Mozart" and "Masterclass" at the International Piano Competition of Ille-de-France (Amateurs)
Computer science	Development of a free music score editor
	Development of a tutorial to learn programming
	Development of video games
Teaching	Homework helping in AFEV (Association de la fondation étudiante pour la ville)