

CURRICULUM VITAE

Bastien Maubert, born February 26, 1987 in Nantes, France.

Education

- 10/2010 - 01/2014** **PhD in Computer Science**, *Université de Rennes 1*
Logical foundations of games with imperfect information: uniform strategies.
Supervised by Sophie Pinchinat and Guillaume Aucher.
Jury composed of Joseph Y. Halpern (president), Christof Löding (referee), Ram Ramanujam (referee), Dietmar Berwanger, Thomas Bolander, Cătălin Dima, Sophie Pinchinat and Guillaume Aucher.
- 09/2007 - 06/2009** **Master's degree in Computer Science, with honours**
ENS Rennes
- 09/2006 - 06/2007** **Bachelor's degree in Computer Science, with high honours**
ENS Rennes - Université de Rennes 1
- 09/2004 - 06/2006** **Preparatory classes for entrance to Grandes Ecoles**
Lycée Chateaubriand, Rennes
Accepted at Ecole Normale Supérieure (ENS) de Rennes, formerly Brittany extension of ENS Cachan
- 06/2004** **Scientific Baccalauréat, with high honours**
Lycée Julliot de la Morandière, Granville

Current position

- 04/2016 - today** Marie Skłodowska-Curie fellow at University of Naples Federico II, Italy.
I obtained a two-year Marie Skłodowska-Curie Individual Fellowship to work on the project LoGICInMAS (Logics and Games for Imperfect Information in Multi-Agent Systems) in Aniello Murano's group in Naples.

Past position

- 09/2014 - 02/2015** CNRS postdoc position in the ERC funded project Epistemic Protocol Synthesis, lead by Hans van Ditmarsch in LORIA, Nancy.

Miscellaneous / gaps

- 04/2015 - 03/2016** **(Chosen) unemployment period**
After my position in Nancy and my visit in Carlos Areces' team in Cordoba, and before moving to Naples, I chose to stay in Rennes for some time. During this period I continued my research activities while being officially unemployed.
- 01/2014 - 02/2014** **Transatlantic on a sailing boat**
21 days, from Canary islands to Guadeloupe
- 03/2010 - 09/2010** **Six months journey in South America**
Brasil, Argentina, Chile, Bolivia, Peru, Paraguay
- 09/2009 - 02/2010** **Temporary agent at IRISA, Rennes (Team S4)**
Implementation of a verification tool based on modal specifications
supervised by Benoît Caillaud

Teaching

2011/2012, 2012/2013	Tutorials – Program Design and Verification ENS Rennes, postgraduate
2011/2012, 2012/2013	Tutorials – Logic and Calculability ENS Rennes, undergraduate
2012/2013	Tutorials – Introduction to LaTeX ENS Rennes, undergraduate
2010/2011, 2011/2012	Lectures and tutorials – Introduction to Compilation Université de Rennes 1, undergraduate
2010/2011	Tutorials – Data Structures INSA de Rennes, undergraduate
2009/2010	Tutorials – Functional Programming INSA de Rennes, undergraduate

Other academic activities

Students supervision:

- Aurèle Barrière (ENS Rennes, Master 1). September-December 2017.
- Raphaël Berthon (ENS Rennes, Master 1). June-July 2016.

Events organisation:

Co-chair:

- Workshop Strategic Reasoning, Liverpool, England, July 26-27, 2017

Local organisation:

- Conference ICTCS, Naples, Italy, September 26-28, 2017
- Conference CILC, Naples, Italy, September 26-28, 2017
- Workshop FMAI, Naples, Italy, February 22-24, 2017
- Workshop GIPSY, Rennes, France, October 25-27, 2011

Reviews:

Workshops and conferences:

- 2018: AAMAS, IJCAI, ICALP
- 2017: AAI, FoSSaCS, AAMAS, IJCAI, GandALF, FORTE, LICS, CSL, MFCS
- 2016: KR, AAMAS, IJCAI, ECAI, CSL, MFCS, RV
- 2015: ICLA, TACAS, LICS, TARK, LORI, RV
- 2014: CLIMA, GandALF
- 2013: GandALF, AAMAS, WoLLIC

Journals:

- 2018: Information and Computation
- 2017: ACM Transactions on Computational Logic
- 2016: Information and Computation
- 2015: Information and Computation, ACM Transactions on Computational Logic
- 2014: Journal of Logic and Computation

Collector for a Dagstuhl report:

Seminar 13181: VaToMAS, April 28th – May 3rd, 2013, Schloss Dagstuhl (Germany)

Scholarships and grants

- 2016 Marie-Curie Individual Fellowship for the project LoGICInMAS (168,277.20€).
- 2015 MEALS travelling grant to visit Carlos Areces in Cordoba, Argentina (5320€).
- 2012 One year of so called “teaching mission” by Université de Rennes 1 (\simeq 3800€).
- 2011 Three-year PhD scholarship from Ecole Normale Supérieure de Cachan.
- 2011 One year of so called “teaching mission” by Université de Rennes 1 (\simeq 3800€).
- 2011 Travelling grant to visit Prof. Ramanujam in Chennai, India (800€).
- 2006 Four-year scholarship by Ecole Normale Supérieure de Cachan.

Publications

In international journals:

- 2017 **Reasoning about knowledge and messages in asynchronous multi-agent systems**
S. Knight, B. Maubert and F. Schwarzentruber
Mathematical Structures in Computer Science. Special issue for ICTAC 2015.
- 2015 **Uniform strategies, rational relations and jumping automata**
L. Bozzelli, B. Maubert and S. Pinchinat
Information and Computation, vol. 242. Special issue for SR 2013.
- 2014 **A general notion of uniform strategies**
B. Maubert and S. Pinchinat
International Game Theory Review, vol. 16(01). Special issue for LOFT 2012.

In international conferences with program committee:

- 2017 **Strategy logic with imperfect information**
R. Berthon, B. Maubert, S. Rubin, A. Murano et M. Y. Vardi
LICS, 32th Annual ACM/IEEE Symposium on Logic in Computer Science
Decidability results for ATL* with imperfect information and perfect recall
R. Berthon, B. Maubert et A. Murano
AAMAS, 16th International Conference on Autonomous Agents and Multiagent Systems
- 2016 **On the impact of modal depth in epistemic planning**
T. Charrier, B. Maubert and F. Schwarzentruber
IJCAI, International Joint Conference on Artificial Intelligence
- 2015 **Games with Communication: from Belief to Preference Change**
G. Aucher, B. Maubert, S. Pinchinat and F. Schwarzentruber
PRIMA, Principles and Practice of Multi-Agent Systems
Relating paths in transition systems: the fall of the modal mu-calculus
C. Dima, B. Maubert and S. Pinchinat
MFCS, Mathematical Foundations of Computer Science
Asynchronous announcements in a public channel
S. Knight, B. Maubert and F. Schwarzentruber
ICTAC, International Colloquium on Theoretical Aspects of Computing
Unifying Hyper Logic and Epistemic Temporal Logic
L. Bozzelli, B. Maubert and S. Pinchinat
FoSSaCS, Foundations of Software Science and Computation Structures
- 2013 **Jumping automata for uniform strategies**
B. Maubert and S. Pinchinat
FSTTCS, Foundations of Software Technology and Theoretical Computer Science

2012 Generalized DEL-sequents

G. Aucher, B. Maubert and F. Schwarzentruber
JELIA, European Conference on Logics in Artificial Intelligence

Uniform strategies

B. Maubert and S. Pinchinat
LOFT, Conference on Logic and the Foundations of Game and Decision Theory

In international workshops with program committee:

2015 Games with Communication: from Belief to Preference Change

G. Aucher, B. Maubert, S. Pinchinat and F. Schwarzentruber
SR, Strategic Reasoning (no published proceedings)

Dealing with imperfect information in Strategy Logic

S. Knight and B. Maubert
SR, Strategic Reasoning (no published proceedings)

2014 Automata techniques for epistemic protocol synthesis

G. Aucher, B. Maubert and S. Pinchinat
SR, Strategic Reasoning

2013 The complexity of synthesizing uniform strategies

B. Maubert, S. Pinchinat and L. Bozzelli
SR, Strategic Reasoning

2011 Tableau method and NEXPTIME-completeness of DEL-sequents

G. Aucher, B. Maubert and F. Schwarzentruber
M4M, Methods for Modalities

Opacity issues in games with imperfect information

B. Maubert, S. Pinchinat and L. Bozzelli
GandALF, Symposium on Games, Automata, Logics and Formal Verification

2009 Games with opacity condition

B. Maubert and S. Pinchinat
RP, Reachability Problems

Talks

Strategy Logic with Imperfect Information

23/06/2017: LICS 2017 (Reykjavik, Iceland)

Decidability results for ATL* with imperfect information and perfect recall

12/05/2017: AAMAS 2017 (São Paulo, Brasil)

Games with Communication: from Belief to Preference Change

22/09/2015: SR 2015 (Oxford, England)

Dealing with imperfect information in Strategy Logic

21/09/2015: SR 2015 (Oxford, England)

Relating paths in transition systems: the fall of the modal mu-calculus

08/09/2016: ICTCS 2016 (Lecce, Italy)

17/09/2015: Highlights of Logic, Games and Automata (Prague, République Tchèque)

28/08/2015: MFCS 2015 (Milano, Italy)

Automata techniques for epistemic protocol synthesis in DEL

03/09/2014: Highlights of Logic, Games and Automata (Paris, France)

26/08/2014: Workshop Epistemic Protocol Synthesis (Rennes, France)

06/04/2014: SR 2014 (Grenoble, France)

Logical foundations of games with imperfect information: uniform strategies

17/01/2014: Thesis defense, IRISA (Rennes, France)

Uniform strategies, rational relations and jumping automata

07/12/2013: GImInAL, IMSc (Chennai, India)

Jumping automata for uniform strategies

12/12/2013: FSTTCS 2013 (Guwahati, India)

04/07/2013: GT FORWAL, Université Paris 6 (Paris, France)

18/06/2013: GT Vérif, ENS Cachan (Paris, France)

The complexity of synthesizing uniform strategies

17/03/2013: SR 2013 (Rome, Italy)

Uniform strategies

29/04/2013: Séminaire Dagstuhl VaToMAS, Schloss Dagstuhl (Germany)

21/11/2012: IRIT (Toulouse, France)

Introduction to Dependence Logic

20/07/2012: Formal methods update meeting, CMI (Chennai, India)

Towards a notion of uniform strategies

20/09/2012: GT Jeux 2012, ENS Cachan (Paris, France)

11/07/2012: TCS Colloquium, IMSc (Chennai, India)

18/06/2012: LOFT 2012 (Sevilla, Spain)

Tableau method and NEXPTIME-completeness of DEL-sequents

11/11/2011: M4M 7 (Osuna, Spain)

Uniform strategies

26/10/2011: GIPSy workshop, IRISA (Rennes, France)

Opacity issues in games with imperfect information

15/06/2011: GandALF 2011 (Minori, Italy)

Games with opacity condition

24/09/2009: RP 2009, Ecole Polytechnique (Palaiseau, France)

16/09/2009: Séminaire 68NQRT, IRISA (Rennes, France)

Languages

French: mother tongue

English, Spanish, Italian: fluent