

## Mathieu Beirlaen – Curriculum vitae

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PERSONAL INFORMATION	Date of birth: Place of birth: Nationality:	1985-05-11 Waregem, Belgium Belgian
EDUCATION & WORKING EXPERIENCE	Oct. 2017 - present: Jan. 2017 - Sep. 2017: Jan. 2015 - Dec. 2016: Mar. 2013 - Dec. 2014: Sep. 2012 - Feb. 2013: Sep. 2008 - Sep. 2012: Sep. 2007 - Sep. 2008: Sep. 2003 - Jul. 2007:	FWO Postdoctoral fellow (100%), <i>Ghent University</i> Humboldt Postdoctoral fellow (100%), <i>Ruhr-University Bochum &amp; Heinrich Heine University Düsseldorf</i> Postdoctoral researcher (100%), <i>Ruhr-University Bochum</i> Postdoctoral fellow (100%), <i>National Autonomous University of Mexico</i> Postdoctoral researcher (100%), <i>Ghent University</i> PhD researcher (100%), <i>Ghent University</i> Postgraduate Studies in Logic, History & Philosophy of Science, <i>Ghent University</i> BA and MA Philosophy, <i>Ghent University</i>
PHD	Mathieu Beirlaen, <i>Tolerating Normative Conflicts in Deontic Logic</i> . Ghent, Belgium: Ghent University, Department of Philosophy and Moral Sciences (2012). Supervisors: Joke Meheus (Ghent University) & Christian Straßer (Ruhr-University Bochum).	
REFEREED PUBLICATIONS	Mathieu Beirlaen, Jesse Heyninck, & Christian Straßer. Structured argumentation with prioritized conditional obligations and permissions. <i>Journal of Logic and Computation</i> , 2018. DOI: 10.1093/logcom/exy005. Mathieu Beirlaen, Bert Leuridan, & Frederik Van De Putte. A logic for the discovery of deterministic causal regularities. <i>Synthese</i> , Vol. 195(1), pp. 367–399. 2018. Mathieu Beirlaen. Combining inductive generalization and factual abduction. In Booth, R., Casini, G., & Varzinczak, I. (eds.), <i>Proceedings of the 4th International Workshop on Defeasible and Ampliative Reasoning (DARE-17)</i> , CEUR, pp. 71–85. 2017. Mathieu Beirlaen, Jesse Heyninck, & Christian Straßer. Reasoning by cases in structured argumentation. <i>Proceedings of the 32nd ACM Symposium on Applied Computing (SAC' 17)</i> , pp. 989–994. 2017. Mathieu Beirlaen & Christian Straßer. A structured argumentation framework for detaching conditional obligations. In: Roy, O., Tamminga, A., & Willer, M. (eds.), <i>Proceedings of the 13<sup>th</sup> International Conference on Deontic Logic and Normative Systems (<math>\Delta</math>EON 2016)</i> , College Publications, pp. 32–48. 2016. Christian Straßer, Mathieu Beirlaen & Frederik Van De Putte. Adaptive logic characterizations of input/output logic. <i>Studia Logica</i> , Vol. 104(5), pp. 869–916. 2016. Mathieu Beirlaen & Matthieu Fontaine. Inconsistency-adaptive dialogical logic. <i>Logica Universalis</i> , Vol. 10(1), pp. 99–134. 2016.	

- Mathieu Beirlaen. A regress objection to Thagard’s theory of deductive coherence. *Erkenntnis*, Vol. 80 (5), pp. 975–986. 2015.
- Mathieu Beirlaen & Christian Straßer. Non-monotonic reasoning with normative conflicts in multi-agent deontic logic. *Journal of Logic and Computation*, Vol. 24 (6), pp. 1179–1207. 2014.
- Mathieu Beirlaen & Atocha Aliseda. A conditional logic for abduction. *Synthese*, Vol. 191 (15), pp. 3733–3758. 2014.
- Mathieu Beirlaen. Normative (Dis)Unity. Reply to Stephen Ingram. *The Reasoner*, Vol. 7 (8). 2013.
- Mathieu Beirlaen & Christian Straßer. Two adaptive logics of norm-propositions. *Journal of Applied Logic*, Vol. 11 (2), pp. 147–168. 2013.
- Mathieu Beirlaen, Christian Straßer & Joke Meheus. An inconsistency-adaptive deontic logic for normative conflicts. *Journal of Philosophical Logic*, Vol. 42 (2), pp. 285–315. 2013.
- Christian Straßer, Mathieu Beirlaen & Joke Meheus. Tolerating deontic conflicts by adaptively restricting inheritance. *Logique & Analyse*, Vol. 219, pp. 477–506. 2012.
- Christian Straßer & Mathieu Beirlaen. An Andersonian deontic logic with contextualized sanctions. In: Jan Broersen, Thomas Agotnes & Dag Elgesem (eds.), *Proceedings of the 11<sup>th</sup> International Conference on Deontic Logic in Computer Science ( $\Delta$ EON 2012) (Lecture Notes in Artificial Intelligence Vol. 7393)*, Springer, pp. 151–169. 2012.
- Mathieu Beirlaen. Ethical consistency and the logic of ‘ought’. *Theoretical & Applied Ethics*, Vol. 2 (1), pp. 45–51. 2011.
- Mathieu Beirlaen & Christian Straßer. A paraconsistent multi-agent framework for dealing with normative conflicts. In: João Leite, Paolo Torroni, Thomas Agotnes, Guido Boella & Leon van der Torre, (eds.), *Proceedings of the 12<sup>th</sup> International Workshop on Computational Logic in Multi-Agent Systems (CLIMA XII)*, Springer, pp. 312–329. 2011.
- Joke Meheus, Mathieu Beirlaen, & Frederik Van De Putte. Avoiding deontic explosion by contextually restricting aggregation. In: Guido Governatori & Giovanni Sartor, (eds.), *Proceedings of the 10<sup>th</sup> International Conference on Deontic Logic in Computer Science ( $\Delta$ EON 2010) (Lecture Notes in Artificial Intelligence Vol. 6181)*, Springer, pp. 148–165. 2010.
- BOOK CHAPTERS Frederik Van De Putte, Mathieu Beirlaen, & Joke Meheus. Adaptive Deontic Logics. In: D. Gabbay, J. Horty, X. Parent, R. van der Meyden, & L. van der Torre (eds.), *Handbook of Deontic Logic and Normative Systems, Vol. 2*, forthcoming.
- Mathieu Beirlaen. Qualitative inductive generalization and confirmation. In: L. Magnani & T. Bertolotti (eds.), *Handbook of Model-Based Science* (Springer), pp. 231–248. 2017.
- Mathieu Beirlaen. Ethical consistency and the logic of ‘ought’, with some thoughts on the use and limits of formal methods. In Herrera, C. & Perry, A. (eds.), *The Moral Philosophy of Bernard Williams* (Cambridge Scholars Publishing), pp. 54–70. 2013.
- Mathieu Beirlaen. A unifying framework for reasoning about normative conflicts. In: M. Peliš and V. Punčochář (eds.), *The Logica Yearbook 2011*, College Publications, pp. 1–14. 2012.

Mathieu Beirlaen. Towards more conflict-tolerant deontic logics. In: B. Van Kerkhove, T. Libert, G. Vanpaemel & P. Marage (eds.), *Logic, Philosophy and History of Science in Belgium II. Proceedings of the Young Researchers Days 2010*, KVAB, Brussels. 2012.

BOOK REVIEWS  
AND REPORTS

Dunja Šešelja, Mathieu Beirlaen & Erik Weber. 5th Workshop on Logic, Reasoning, and Rationality (Report). *The Reasoner* 11(12). 2017.

Mathieu Beirlaen. John F. Horty. Reasons as Defaults (Review). *Tijdschrift voor Filosofie*, Vol. 76 (2), pp. 384–386. 2014.

Raoul Gervais, Laszlo Kosolosky, Frederik Van De Putte, Mathieu Beirlaen, Rafal Urbaniak & Peter Verdée. CLPS13: Congress on Logic and Philosophy of Science (Report). *The Reasoner* 7(12). 2013.

Mathieu Beirlaen. Erasmus Mayr. Understanding Human Agency (Review). *Tijdschrift voor Filosofie*, Vol. 74 (2), pp. 383–385. 2012.

Mathieu Beirlaen & Tjerk Gauderis. PhDs in Logic IV (Report). *The Reasoner* 6(5). 2012.

Mathieu Beirlaen. Adriane Rini. Aristotle’s Modal Proofs (Review). *Tijdschrift voor Filosofie*, Vol. 73 (5), pp. 749–751. 2011.

Mathieu Beirlaen, Tjerk Gauderis, Raoul Gervais & Laszlo Kosolosky. LRR10: Logic, Reasoning and Rationality (Report). *The Reasoner* 4(11). 2010.

GRANTS

- Three-year postdoctoral research grant awarded in 2016 by the *Research Foundation – Flanders* (FWO) at *Ghent University*, hosted by Joke Meheus. Title of the research proposal: Structured argumentation frameworks for the formalization and evaluation of practical, defeasible reasoning patterns.
- Three-year postdoctoral research grant awarded in 2016 by the *FNRS Fund for Scientific Research in Wallonia and Brussels* at the *Catholic University of Louvain-la-Neuve*, hosted by Peter Verdée. Title of the research proposal: Structured argumentation frameworks for the formalization and evaluation of practical, defeasible reasoning patterns.
- Two-year postdoctoral research grant awarded in 2016 by the *Alexander von Humboldt Foundation* at the *Ruhr-University Bochum* and the *Heinrich Heine University Düsseldorf*, hosted by Heinrich Wansing and Gerhard Schurz. Title of the research proposal: A qualitative model for ampliative inference.
- Two-year *MOVE-IN* postdoctoral research grant supported by the *Marie Curie Actions* research fellowship programme of the European Commission, awarded in 2016, at the *Catholic University of Louvain*, hosted by Peter Verdée. Title of the research proposal: Argumentation-theoretic foundations for normative reasoning.
- Two-year postdoctoral research grant awarded in 2012 by the *Institute for Coordination of the Humanities* at the *National Autonomous University of Mexico*, hosted by Atocha Aliseda. Title of the research proposal: Formal models of abductive reasoning patterns.
- Sintelnet (European Network for Social Intelligence) grant for organizing the symposium *Logic and Action* (Ghent, September 16, 2013).
- Grants from the FWO (Research Foundation – Flanders) and the BSLPS (Belgian Society for Logic & Philosophy of Science) for organizing the graduate conference *PhDs in Logic IV* (Ghent, April 12-13, 2012).

TEACHING

- *Logic I*, BA in Philosophy & BA in Moral Sciences, Ghent University (September 2017 – June 2018).

- *Introduction to Non-Monotonic Logic*, graduate mini-course held at the *European Summer School in Logic, Language, and Computation* (ESSLLI), Bolzano-Bozen, Italy (August 22-26, 2016). With Christian Straßer.
  - *Introduction to Non-Monotonic Logic*, BA/MA in Philosophy & MA in Cognitive Science, Ruhr-University Bochum (April – July 2016). With Christian Straßer.
  - *Thinking about logic*, BA/MA in Philosophy & MA in Cognitive Science, Ruhr-University Bochum (October 2015 – February 2016).
  - *Introduction to Gödel's Theorems*, MA in Philosophy & MA in Philosophy of science, National Autonomous University of Mexico (January – June 2014).
  - *Introduction to Non-Classical Logic*, MA in Philosophy & MA in Philosophy of science, National Autonomous University of Mexico (August – December 2013).
- SUPERVISION & TUTORING
- MA thesis supervisor of María Martínez del Ordaz Rosario (MA in Philosophy of Science, National Autonomous University of Mexico) (with Atocha Aliseda; 2013-2014).
  - *Logic I*, 1<sup>st</sup> BA Philosophy, Ghent University (teaching assistant; 2011-2012).
  - *Logic II*, 2<sup>nd</sup> BA Philosophy, Ghent University (teaching assistant; 2011-2012).
  - *Logic I*, 2<sup>nd</sup> and 3<sup>rd</sup> BA Criminology, Ghent University (teaching assistant; 2010-2011).
- ORGANIZATION
- Co-organizer of the workshop *Ampliative Reasoning in the Sciences* (Ghent, May 17-18, 2017)  
<http://www.lrr.ugent.be/ars/>
  - Co-organizer of the first *Workshop on Argument Strength* (Bochum, December 1-2, 2016)  
<http://homepage.ruhr-uni-bochum.de/defeasible-reasoning/Argument-Strength-2016>
  - Co-organizer of the symposium *Foundations of Defeasible Reasoning*, co-located with CLMPS 2015 (Helsinki, August 8, 2015)  
<http://clmps.helsinki.fi/>
  - Co-organizer of the IIF-seminar on logic and heuristics (Mexico City, May 2013 - August 2014)  
<http://logica-heuristica.blogspot.mx/>
  - Organizer of the symposium *Logic and Action*, co-located with CLPS13 (Ghent, September 16-18, 2013)  
<http://www.clps13.ugent.be/>
  - Co-organizer of the workshop *Acting Right. On Norms, Games and Actions*. (Ghent, September 14, 2012)  
<http://www.philosophy.ugent.be/node/361>
  - Co-organizer of the graduate conference *PhDs in Logic IV* (Ghent, April 12-13, 2012)  
<http://www.phdsinlogic2012.ugent.be/>
  - Co-organizer of the workshop *Dynamics of Normative Reasoning* (Ghent, April 6, 2011)  
<http://www.philosophy.ugent.be/DNR>
- COMMITTEES AND SCIENTIFIC NETWORKS
- Programme committee member, *Logic, Reasoning, and Rationality* workshop series (2016 – present)  
<http://www.lrr.ugent.be>
  - Programme committee member,  $\Delta EON$  conference series (2013 – present)  
<http://www.deon2016.org>
  - Member of the scientific research community *Logical and Methodological Analysis of Scientific Reasoning Processes* sponsored by the Flemish Fund for Scientific Research (FWO)
  - Member of the European Network for Social Intelligence (Sintelnet)  
<http://www.sintelnet.eu/>
  - Member of the European Philosophy of Science Association (EPSA)  
<http://philsci.eu/>

## REFEREING

- Argumentation and Computation
- Diánoia
- Erkenntnis
- Frontiers in Psychology
- Internet Encyclopedia of Philosophy
- Journal of Applied Logic
- Journal of Applied Non-Classical Logic
- Journal of Logic & Computation
- Journal of Philosophical Research
- Lecture Notes in Artificial Intelligence
- Logica Universalis
- Logique & Analyse
- Philosophical Inquiries
- Philosophy & Technology
- Review of Symbolic Logic
- Studia Logica
- Synthese

PRESENTATIONS  
(INVITED)

- Reasoning by cases in formal argumentation. *GroLog Seminar*, Groningen (Netherlands), February 2, 2017.
- A recipe for safe detachment. *Theoretical Philosophy Research Seminar*, Düsseldorf (Germany), November 10, 2015.
- Remarks on the history of paraconsistent logic. *XVI Encuentro Internacional de Didáctica de la Lógica*, Xalapa (Mexico), November 11-15, 2013.
- Ethical consistency and the logic of ‘ought’. *CLAW Seminar*, Leuven (Belgium), September 21, 2012.

PRESENTATIONS  
(CONTRIBUTED)

- A qualitative model for ampliative scientific inference. *EPSA 2017*, Exeter (UK), September 7, 2017.
- A logical architecture for ampliative scientific reasoning. *ECAP 9*, Munich (Germany), August 22, 2017.
- Combining inductive generalization and factual abduction. *4th International Workshop on Defeasible and Ampliative Reasoning*, Espoo (Finland), July 3, 2017.
- Reasoning by cases in structured argumentation. *2nd European Conference on Argumentation*, Fribourg (Switzerland), June 22, 2017.
- Casting doubt. Shadow arguments in structured argumentation. *Logic in Bochum II*, Bochum (Germany), June 27, 2016.
- Deontic logic as structured argumentation. *Deontic Logic and Ethics*, Venice (Italy), November 24, 2015.
- A logic for the discovery of candidate causal regularities. *EPSA 2015*, Düsseldorf (Germany), September 24, 2015.
- Notes on Haack on Dummett on the justification (and informativeness) of deduction. *CLMPS 2015*, Helsinki (Finland), August 6, 2015.
- A recipe for safe detachment. *Unilog 2015*, Istanbul (Turkey), June 26, 2015.
- Inconsistency-adaptive dialogical logic, or how to dialogue in the presence of inconsistencies. *Logic in Bochum I*, Bochum (Germany), June 22, 2015.
- A logic for the discovery of candidate causal regularities. *Causal and Probabilistic Reasoning*, Munich (Germany), June 18, 2015.
- Discovering candidate causal regularities: a formal explication. *Logic, Reasoning, and Rationality*, Ghent (Belgium), May 7, 2015.
- Inconsistency-adaptive dialogical logic. *CLE Logic Seminar*, Campinas (Brasil), September 24, 2014.
- A conditional logic of abduction. *Third Colombian Conference on Logic, Epistemology and Philosophy in Science*, Bogotá (Colombia), February 12-14, 2014.

- Ethical consistency and the logic of ‘ought’. *IIF Seminario de Investigadores*, Mexico City (Mexico), October 9, 2013.
- Accommodating conflicting information in non-monotonic logic. *IIF Seminario de Lógica y Heurística*, Mexico City (Mexico), May 6, 2013.
- Adaptive proof theories for reasoning with conditional norms (with Christian Straßer and Frederik Van De Putte). *Formal Ethics*, Munich (Germany), October 11, 2012.
- Planning ahead: an adaptive approach. *Acting Right. A Workshop on Norms, Games & Actions*, Ghent (Belgium), September 14, 2012.
- An Andersonian deontic logic with contextualized sanctions (with Christian Straßer). *ΔEON 2012*, Bergen (Norway), July 17, 2012.
- Adaptive deontic reasoning. *Model-Based Reasoning in Science & Technology (MBR12)*, Sestri Levante (Italy), June 22, 2012.
- An Andersonian deontic logic with contextualized sanctions (with Christian Straßer). *Trends in Logic XI*, Bochum (Germany), June 5, 2012.
- A paraconsistent multi-agent framework for dealing with normative conflicts (with Christian Straßer). *Computational Logic in Multi-Agent Systems (CLIMA XII)*, Barcelona (Spain), July 18, 2011.
- A framework for reasoning about normative conflicts. *Logica 2011*, Hejnice (Czech Republic), June 24, 2011.
- Inconsistency-adaptive deontic logic. *Dynamics of Normative Reasoning*, Ghent (Belgium), April 6, 2011.
- Non-explosive reasoning in deontic logic. *Logic, Reasoning & Rationality*, Ghent (Belgium), September 20, 2010.
- Paraconsistent deontic logic. *Second Workshop & Young Researchers Days in Logic, Philosophy and History of Science*, Brussels (Belgium), September 7, 2010.
- Avoiding deontic explosion by contextually restricting aggregation (with Joke Meheus and Frederik Van De Putte). *ΔEON 10*, Florence (Italy), July 8, 2010.
- Some qualitative adaptive logics of confirmation. *Unilog 2010*, Lisbon (Portugal), April 22, 2010.
- A paraconsistent adaptive deontic logic for dealing with normative conflicts. *PhDs in Logic II*, Tilburg (Netherlands), February 2, 2010.