

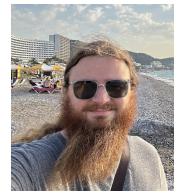
# Jean-Guy Maily, Ph.D. in Computer Science

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🌐 <http://jgmailly.github.io/>

🌐 <https://www.linkedin.com/in/jeanguymaily/>



## Employment History

- 2024 – . . . . . 📌 **Junior Professor**, IRIT, LILaC Group, Université Toulouse Capitole
- 2016 – 2024 📌 **Associate Professor**, LIPADE, DAI Group, Université Paris Cité
- 2015 – 2016 📌 **Research Assistant**, Institute of Information Systems, DBAI Group, TU Wien.
- 2012 – 2015 📌 **Ph.D. Student**, CRIL, Université d'Artois.

## Education

- 2012 – 2015 📌 **Ph.D., Université d'Artois**, Computer Science.  
Thesis title: *Dynamics of Argumentation Frameworks*.  
Supervisors: Sylvie Coste-Marquis, Sébastien Konieczny, Pierre Marquis  
Defense Committee: Salem Benferhat (President), Gerhard Brewka (Reviewer), Stefan Woltran (Reviewer), Andreas Herzig, Anthony Hunter
- 2010 – 2012 📌 **Master, Université d'Artois**, Computer Science: Intelligent Systems and Application.
- 2007 – 2010 📌 **Bachelor, Université d'Artois**, Mathematics and Computer Science.

## Scientific Activities

### Projects

- 2024 – 2030 📌 Chair **AIDAL**: Artificial Intelligence, Data, Algorithms and Law, funded by the ANR (French National Research Agency)
- 2023 – . . . . . 📌 **AGGREEY**: An argumentation-based platform for e-democracy, funded by the ANR (French National Research Agency)
- 2015 – 2016 📌 **Fragment-Drivent Belief Change**, funded by the FWF (Austrian Science Fund)
- 2013 – 2018 📌 **AMANDE**: Advanced Multilateral Argumentation for DELiberation, funded by the ANR (French National Research Agency)

### Scientific Societies

- 2025 – . . . . . 📌 **AFIA**: Member of the board (*conseil d'administration*) of the French Association for Artificial Intelligence (*Association Française pour l'Intelligence Artificielle*)
- 2023 – . . . . . 📌 **ICCMA**: President of the International Competition on Computational Models of Argumentation Steering Committee
- 2019 – 2023 📌 **ICCMA**: Secretary of the International Competition on Computational Models of Argumentation Steering Committee
- 2018 – 2019 📌 **ICCMA**: Member of the International Competition on Computational Models of Argumentation Steering Committee

### Editorial Board

- 2021 – . . . . . 📌 Argument & Computation

## Scientific Activities (continued)

### Program Committee Member

|            |   |  |
|------------|---|--|
| IJCAI      | ■ | International Joint Conference on Artificial Intelligence: 2017, 2018, 2019, 2020, 2021 (SPC), 2022-2024 (board member), 2025                                  |
| ECAI       | ■ | European Conference on Artificial Intelligence: 2018, 2020, 2022, 2023, 2024, 2025   |
| AAAI       | ■ | AAAI Conference on Artificial Intelligence: 2018, 2020, 2021, 2022, 2023   |
| PRICAI     | ■ | Pacific Rim International Conference on Artificial Intelligence: 2020  |
| KR         | ■ | International Conference on Principles of Knowledge Representation and Reasoning: 2020   |
| AAMAS      | ■ | International Conference on Autonomous Agents and Multiagent Systems: 2019, 2020, 2021, 2022, 2024   |
| AAMAS-BSKY | ■ | International Conference on Autonomous Agents and Multiagent Systems - Blue Sky Ideas Track: 2023 (SPC), 2025  |
| AAMAS-DC   | ■ | International Conference on Autonomous Agents and Multiagent Systems - Doctoral Consortium: 2025   |
| COMMA      | ■ | International Conference on Computational Models of Argument: 2016, 2018, 2020, 2022, 2024   |
| ECSQARU    | ■ | European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty: 2025  |
| PAIS       | ■ | Conference on Prestigious Applications of Intelligent Systems: 2025  |
| KR@SAC     | ■ | ACM/SIGAPP Symposium On Applied Computing - Track on Knowledge Representation and Reasoning: 2018, 2019, 2020, 2021, 2022, 2023                                |
| SAFA       | ■ | International Workshop on Systems and Algorithms for Formal Argumentation: 2016, 2018, 2020  |
| CLAR       | ■ | International Conference on Logic and Argumentation: 2021, 2023, 2025  |
| TKR        | ■ | International Workshop on Trends in Knowledge Representation and Reasoning: 2025   |
| COMSOC     | ■ | International Workshop on Computational Social Choice: 2023  |
| KoDis/CAKR | ■ | Joint Workshop on Knowledge Diversity and Cognitive Aspects of KR: 2024  |
| FCR        | ■ | Workshop on Formal and Cognitive Reasoning: 2022, 2023, 2024   |
| KoDis      | ■ | International Workshop on Knowledge Diversity: 2023  |
| EXTRAAMAS  | ■ | International Workshop on EXplainable and TRansparent Autonomous Agents and Multi-Agent Systems: 2019, 2020, 2021  |
| IEA/AIE    | ■ | International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems - Special Track on Applications of Argumentation: 2017 |
| RJCIA      | ■ | Rencontres des Jeunes Chercheurs en Intelligence Artificielle: 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024  |
| CNIA       | ■ | Conférence Nationale en Intelligence Artificielle: 2018  |

### Reviewer for Journal Papers

|      |   |   |
|------|---|---|
| AIJ  | ■ | Artificial Intelligence                           |
| JAIR | ■ | Journal of Artificial Intelligence Research       |
| A&C  | ■ | Argument & Computation                            |
| IJAR | ■ | International Journal of Approximate Reasoning    |
| JLC  | ■ | Journal of Logic and Computation                  |
| AMAI | ■ | Annals of Mathematics and Artificial Intelligence |

## Scientific Activities (continued)

|            |   |                                |
|------------|---|--------------------------------|
| GDN        | ■ | Group Decision and Negotiation |
| JOWS       | ■ | Journal of Web Semantics       |
| Ecol. Inf. | ■ | Ecological Informatics         |
| Act. Psy.  | ■ | Acta Psychologica              |

## Reviewer for Conferences and Workshops

|        |   |  |
|--------|---|--|
| MFCS   | ■ | International Symposium on Mathematical Foundations of Computer Science: 2022          |
| CIAC   | ■ | International Conference on Algorithms and Complexity: 2021                            |
| KR     | ■ | International Conference on Principles of Knowledge Representation and Reasoning: 2018 |
| AAAI   | ■ | AAAI Conference on Artificial Intelligence: 2016, 2017                                 |
| AAMAS  | ■ | International Conference on Autonomous Agents and Multiagent Systems : 2016, 2017      |
| ECAI   | ■ | European Conference on Artificial Intelligence : 2014, 2016                            |
| IJCAI  | ■ | International Joint Conference on Artificial Intelligence: 2016                        |
| COMSOC | ■ | International Workshop on Computational Social Choice: 2016                            |
| FoIKS  | ■ | International Symposium on Foundations of Information and Knowledge Systems: 2016      |
| KSEM   | ■ | International Conference on Knowledge Science, Engineering and Management: 2015        |
| JELIA  | ■ | European Conference on Logics in Artificial Intelligence: 2014                         |

## Thesis Evaluation

|      |   |   |
|------|---|---|
| 2024 | ■ | Member of Yann Munro's Ph.D. defense committee (Sorbonne Université, Paris)             |
|      | ■ | Member of the CSI of Francesco Sabatino (Université Paris Saclay)                       |
| 2022 | ■ | External reviewer of Antonio Yuste-Ginel's Ph.D. thesis (University of Malaga)          |
| 2021 | ■ | Member of Mickaël Lafages' Ph.D. defense committee (Université Paul Sabatier, Toulouse) |
| 2020 | ■ | Pre-examinator of Andreas Niskanen's Ph.D. thesis (University of Helsinki)              |



## Events

|      |   |   |
|------|---|---|
| 2025 | ■ | Co-chair of the Second International Workshop on Argumentation and Applications (Arg&App 2023), Melbourne, Australia        |
|      | ■ | Co-chair of the 1st European Workshop on Argumentation and Uncertainty (ArgU 2025), Hagen, Germany                          |
|      | ■ | Co-chair of the 19èmes Journées d'Intelligence Artificielle Fondamentale (IAF 2025), Dijon, France                          |
|      | ■ | Co-organizer of the Journée Argumentation et Explicabilité, Toulouse, France  |
| 2024 | ■ | Organizer of the First Workshop on Artificial Intelligence, Data, Algorithms and Law (AIDAL), Toulouse, France              |
|      | ■ | Co-chair of the Fifth International Workshop on Systems and Algorithms for Formal Argumentation (SAFA 2024), Hagen, Germany |
|      | ■ | Co-chair of the 18èmes Journées d'Intelligence Artificielle Fondamentale (IAF 2024)   |
| 2023 | ■ | Co-chair of the First International Workshop on Argumentation and Applications (Arg&App 2023), Rhodes, Greece               |

## Scientific Activities (continued)

- 2022     Co-chair of the Fourth International Workshop on Systems and Algorithms for Formal Argumentation (SAFA 2022), Cardiff, UK
- 2021     Chair of the Fourth International Competition on Computational Models of Argumentation (ICCMA 2021)
- 2018     Co-organizer of the Second Workshop on Argument Strength/AMANDE Project Workshop, IRIT, Toulouse, France
- 2016     Co-organizer of the Workshop on New Trends in Belief Change, TU Wien, Austria
- 2015     Co-organizer of the Workshop on Change in Argumentation, Université d'Artois, Lens, France

## Ph.D. Students

- 2022- . . . .     Ph.D. Co-Supervisor, Thalya Fossey, *Explainable and Trustable Automated Negotiation*
- 2020 – 2022     Ph.D. Co-Supervisor, Yohann Bacquey, *Strength-based Argumentation Frameworks*

## Internships and Mentored Projects

- 2025     Engineering School Internship Co-Supervisor, Marius Pascal, *IA pour la classification d'arrêts de la CJUE*
-  Master 1 Internship Co-Supervisor, Thomas Ecobichon, *Handling Exceptions in Legal Reasoning*
-  Bachelor Internship Supervisor, Cassandre Azeau, *Deep Learning for Incomplete Argumentation Frameworks*
-  Master 2 Internship Co-Supervisor, Karla Denia Salas Jimenez, *LLMs for Argument Mining*
-  Engineering School Internship Co-Supervisor, Cesar Philippe, *A Pipeline for Argument Mining*
- 2024     Master 2 Research Assistant Co-Supervisor, Christina Berghegger, *Context-sensitive priorities in legal argumentation*
- 2023     Master 1 Mentored Project Co-Supervisor, Farouk Bennai and Yanis Kouadri, *Compilation de connaissances pour l'argumentation abstraite*
- 2022     Master 1 Mentored Project Co-Supervisor, Lamine Jau and Salah Bouchama, *Argumentation for explaining machine learning approaches*
-  Master 1 Mentored Project Co-Supervisor, Maissa Arbi and Manel Bensalem, *Calcul de sémantiques graduées en argumentation*
-  Master 1 Mentored Project Co-Supervisor, Sylvain Declercq, Quentin Januel and Christophe Yang, *Portfolios de solvers SAT pour l'argumentation*
-  Engineering School Mentored Project Co-Supervisor, Zakariae El Asri and Killian Susini, *Partage équitable de ressources : résolution et explication via l'intelligence artificielle*
-  Bachelor Internship Co-Supervisor, Hugo Demaret, *Principle-based Analysis of Ranking-based Semantics for Incomplete Argumentation Frameworks*
- 2021     Master 1 Mentored Project Co-Supervisor, Yanis-Fady Akroun and Lydia Bechroune, *Programmation d'algorithmes permettant la fusion d'extensions en argumentation abstraite*
-  Master 1 Mentored Project Co-Supervisor, Mohamed Azikiou and Mohand Said Nassim Hemdane, *Sémantiques graduées pour des systèmes d'argumentation incomplets*
-  Master 1 Mentored Project Supervisor, Danil Berrah and Thalya Fossey, *Calcul de sémantiques graduées en argumentation*

## Scientific Activities (continued)

- 2020
  - Master 1 Mentored Project Supervisor, Namira Adjabi and Jiangang Zou, *Calcul de sémantiques graduées en argumentation*
  - Bachelor Internship Supervisor, Eyal Cohen, *Une application pour la gestion de préférences en argumentation abstraite*
  - Master 2 Research Internship Co-Supervisor, Imene Sai, *Exploring Control Argumentation Frameworks*
  - Master 1 Mentored Project Supervisor, Rachid Bellazreg and Serigne Gning, *On the Impact of SAT Solvers for Reasoning with Abstract Argumentation*
  - Master 1 Mentored Project Supervisor, Salomé Attar and Louis de Ferluc, *Realization of Extensions in Abstract Argumentation*
- 2019
  - Master 2 Research Internship Co-Supervisor, Fabrice Gaigner, *Control Argumentation Frameworks with Probabilities*
- 2017
  - Master 2 Research Internship Co-Supervisor, Salim Kecili, *Contraintes d'ensemble dans un débat argumenté*
  - Master 1 Mentored Project Supervisor, Kalidou Ba and Appolinaire Dekli, *Outils pour le Raisonnement Non Monotone via la plateforme Tweety*
  - DUT Internship Supervisor, Etienne Lopvet, *Ajout de fonctionnalités au logiciel d'argumentation CoQuiAAS*
- 2015
  - Master 1 Research Internship Co-Supervisor, Aurélien Lucas, *Mesures d'incohérence à base d'argumentation*
- 2014
  - Master 1 Research Internship Co-Supervisor, Oumaima Mehaibia, *Implémentation d'opérateurs de révision via SAT*

## Administrative and Pedagogical Responsibilities




### Past

- 2022 – 2024
  - Assistant director of the Master on Distributed Artificial Intelligence, Université Paris Cité
- 2019 – 2024
  - Member of the *conseil de laboratoire* (laboratory concil) of LIPADE, Université Paris Cité
- 2022 – 2023
  - Director of the Graduate School on Artificial Intelligence and Data Science, Université Paris Cité
- 2017 – 2022
  - Member of the *conseil scientifique local* (local scientific concil) of the Faculty of Mathematics and Computer Science, Université Paris Cité
- 2018
  - Member of the *comité de préfiguration facultaire* (faculty prefiguration committee) of the Faculty of Science, Université Paris Cité




## Software Development

- pygarg
  - A Python enGine for Argumentation, see <https://github.com/jgmailly/pygarg>
- Crustabri
  - Crustabri is a RUST ABstract argumentation Reasoner Implementation*, joint work with Jean-Marie Lagniez and Emmanuel Lonca. Crustabri has received several awards during the Fifth International Competition on Computational Models of Argumentation (IC-CMA'23), being ranked first in 9 subtracks of the main track (over 13 subtracks) and 3 subtracks of the dynamic track (over 3 subtracks). See <https://www.cril.univ-artois.fr/software/crustabri/>
- SAT-IAFs
  - A SAT-based solver for Incomplete Argumentation Frameworks, see <https://github.com/jgmailly/SAT-IAFs>

## Software Development (continued)

- AF Merging  A tool for merging extensions of abstract argumentation frameworks, joint work with Jérôme Delobelle, see <https://github.com/jeris90/fusionAF>
- ArgGUI  A Graphical User Interface for Abstract Argumentation, see <https://sourceforge.net/projects/arggui/>
- CoQuiAAS  A *Constrained-based Quick Abstract Argumentation Solver*, joint work with Jean-Marie Lagniez and Emmanuel Lonca. CoQuiAAS has received several awards:
- First place at the First International Competition on Computational Models of Argumentation (ICCMA'15);
  - First place at the Second International Competition on Computational Models of Argumentation (ICCMA'17) for the GR track.
  - Second place at the Third International Competition on Computational Models of Argumentation (ICCMA'19) for the Main Track and the Dynamic Track.
- Solver description: See <http://www.cril.univ-artois.fr/coquiaas/>

## Teaching

- 2024 – . . . .  **Junior Professor**, Université Toulouse Capitole  
Toulouse School of Management. Teachings for Bachelor in Global Management: Mind, Machine and Morality. Teaching for Master MIAGE: Introduction to AI. Teaching for Master in Law and AI: Introduction to Argumentation.
- 2016 – 2024  **Associate Professor**, Université Paris Cité (formerly Paris Descartes)  
Faculty of Mathematics and Computer Science. Teachings for Bachelor and Master in Computer Science  
Bachelor level: Formal Languages Theory, Introduction to Artificial Intelligence, Advanced Object Oriented Programming  
Master level: Non-Monotonic Reasoning, Algorithmic Complexity, Knowledge Representation and Reasoning, Automated Negotiation  
Pedagogical innovation centre of Université Paris Cité. Teaching for Bachelor students in various domains: Introduction to Programming in Python
- 2012 – 2015  **Teaching Assistant**, Université d'Artois, Lens  
Institute of technology of Lens. Teachings in first and second year of the DUT (Diplôme Universitaire de Technologie) on Computer Science and the DUT on Multimedia and Internet Technologies: Object Oriented Programming, Algorithmic, Documents Conception, Web Programming, Android, Databases

## Research Publications

### Summary

- 4 proceedings edition: SAFA (2), Arg&App (1), JIAF-JFPDA (1)
- 1 book chapter: Handbook of Formal Argumentation
- 13 journal papers: Arg&Comp (7), AIC (2), JAAMAS (1), IJAR (1), JLC (1), FLAP (1)
- 29 international conferences papers: COMMA (4), IJCAI (3), KR (3), AAMAS (3), ECSQARU (3), CLAR (3), ECAI (2), SUM (2), AAAI (1), JELIA (1), SAC (1), FoIKS (1), ICTAI (1), EUMAS (1)
- 9 international workshop papers: NMR (3), SAFA (2), Arg&App (2), TAFA (1), ACAI (1)



- 10 extended abstracts: ICCMA (8), IJCAI (1), KR(1)
- 19 national conference papers: JIAF (18), JFPC (1)

## Proceedings Edition

- 1 Borg, A., Ellmauthaler, S., **Maily, J.-G.**, & Niskanen, A. (Eds.). (2024). Proceedings of the fifth international workshop on systems and algorithms for formal argumentation (SAFA'24) co-located with the 10th international conference on computational models of argument (COMMA'24), CEUR-WS.org, 3757. Retrieved from <http://ceur-ws.org/Vol-3757>
- 2 **Maily, J.-G.**, Schwartzentruber, F., & Wilczynski, A. (Eds.). (2024). Actes des 18èmes journées d'intelligence artificielle fondamentale et 19es journées francophones sur la planification, la décision et l'apprentissage pour la conduite de systèmes (JIAF-JFPDA 2024), AFIA. Retrieved from <https://hal.science/AFIA/hal-04620491v1>
- 3 Cocarascu, O., Doutre, S., **Maily, J.-G.**, & Rago, A. (Eds.). (2023). Proceedings of the first international workshop on argumentation and applications (Arg&App'23) co-located with the 20th international conference on principles of knowledge representation and reasoning (KR'23), CEUR-WS.org, 3472. Retrieved from <https://ceur-ws.org/Vol-3472>
- 4 Gaggl, S. A., **Maily, J.-G.**, Thimm, M., & Wallner, J. P. (Eds.). (2022). Proceedings of the fourth international workshop on systems and algorithms for formal argumentation (SAFA'22) co-located with the 9th international conference on computational models of argument (COMMA'22), CEUR-WS.org, 3236. Retrieved from <http://ceur-ws.org/Vol-3236>

## Book Chapters

- 1 Baumann, R., Doutre, S., **Maily, J.-G.**, & Wallner, J. P. (2021b). Enforcement in formal argumentation. In D. Gabbay, M. Giacomini, G. Simari, & M. Thimm (Eds.), *Handbook of formal argumentation* (Chap. 8, pp. 159–236). College Publications.

## Journal Articles

- 1 Bistarelli, S., Kotthoff, L., Lagniez, J.-M., Lonca, E., **Maily, J.-G.**, Rossit, J., ... Taticchi, C. (2025). The third and fourth international competitions on computational models of argumentation: Design, results and analysis. *Argument & Computation*, 15. To appear. [doi:10.3233/AAC-230013](https://doi.org/10.3233/AAC-230013)
- 2 **Maily, J.-G.** (2025a). pygarg: A Python Engine for Argumentation. *Argument & Computation*, 15. To appear. [doi:10.3233/AAC-230019](https://doi.org/10.3233/AAC-230019)
- 3 Lieber, J., **Maily, J.-G.**, Marquis, P., Prade, H., & Rollin, F. (2024). Some thoughts about artificial stupidity and artificial dumbness. *AI Communications*, 37(3), 377–391. [doi:10.3233/AIC-220322](https://doi.org/10.3233/AIC-220322)
- 4 **Maily, J.-G.** (2024b). Constrained incomplete argumentation frameworks: Expressiveness, complexity and enforcement. *AI Communications*, 37(3), 299–322. [doi:10.3233/AIC-220298](https://doi.org/10.3233/AIC-220298)
- 5 **Maily, J.-G.** (2024c). Grounded semantics and principle-based analysis for incomplete argumentation frameworks. *International Journal of Approximate Reasoning*. To appear. [doi:https://doi.org/10.1016/j.ijar.2024.109282](https://doi.org/10.1016/j.ijar.2024.109282)
- 6 **Maily, J.-G.** (2023d). Extension-based semantics for incomplete argumentation frameworks: Properties, complexity and algorithms. *Journal of Logic and Computation*, 33(2), 406–435.
- 7 Delobelle, J., & **Maily, J.-G.** (2022). A tool for merging extensions of abstract argumentation frameworks. *Argument & Computation*, 13(3), 361–368. [doi:10.3233/AAC-210014](https://doi.org/10.3233/AAC-210014)
- 8 **Maily, J.-G.** (2022c). Yes, no, maybe, i don't know: Complexity and application of abstract argumentation with incomplete knowledge. *Argument & Computation*, 13(3), 291–324. [doi:10.3233/AAC-210010](https://doi.org/10.3233/AAC-210010)

- 9 Baumann, R., Doutre, S., **Mailly, J.-G.**, & Wallner, J. P. (2021a). Enforcement in formal argumentation. *IfCoLog Journal of Logics and their Applications*, 8(6), 1623–1678.
- 10 Dimopoulos, Y., **Mailly, J.-G.**, & Moraitis, P. (2021). Arguing and negotiating using incomplete negotiators profiles. *Autonomous Agents and Multi-Agent Systems*, 35(2).  
[doi:10.1007/s10458-021-09493-y](https://doi.org/10.1007/s10458-021-09493-y)
- 11 Rossit, J., **Mailly, J.-G.**, Dimopoulos, Y., & Moraitis, P. (2021). United we stand: Accruals in strength-based argumentation. *Argument & Computation*, 12(1), 87–113. [doi:10.3233/AAC-200904](https://doi.org/10.3233/AAC-200904)
- 12 **Mailly, J.-G.**, & Maratea, M. (2019). Assessment of benchmarks for abstract argumentation. *Argument & Computation*, 10(2), 107–112. [doi:10.3233/AAC-192101](https://doi.org/10.3233/AAC-192101)
- 13 Doutre, S., & **Mailly, J.-G.** (2018). Constraints and changes: A survey of abstract argumentation dynamics. *Argument & Computation*, 9(3), 223–248. [doi:10.3233/AAC-180425](https://doi.org/10.3233/AAC-180425)

## International Conference Proceedings

- 1 Doutre, S., Lagasquie-Schiex, M.-C., **Mailly, J.-G.**, & Yuste-Ginel, A. (2025a). Incomplete higher-order abstract argumentation frameworks. In *Sixth International Conference on Logic and Argumentation (CLAR 2025)*. To appear.
- 2 Fossey, T., **Mailly, J.-G.**, & Moraitis, P. (2025). Argument-based multi-issue negotiation. In *34th International Joint Conference on Artificial Intelligence (IJCAI 2025)*. To appear.
- 3 **Mailly, J.-G.** (2025b). Reasoning with plausibility in incomplete argumentation frameworks. In *Proceedings of the 40th ACM/SIGAPP symposium on applied computing (SAC 2025)* (pp. 1027–1034).
- 4 Beynier, A., **Mailly, J.-G.**, Maudet, N., & Wilczynski, A. (2024). Explaining the lack of locally envy-free allocations. In *Proceedings of the 27th european conference on artificial intelligence (ECAI 2024)* (pp. 3477–3484). [doi:10.3233/FAIA240900](https://doi.org/10.3233/FAIA240900)
- 5 Cibir, P., & **Mailly, J.-G.** (2024). Graph convolutional networks and graph attention networks for approximating arguments acceptability. In *Proceedings of the 10th international conference on computational models of argument (COMMA 2024)* (pp. 25–36). [doi:10.3233/FAIA240307](https://doi.org/10.3233/FAIA240307)
- 6 Lagasquie-Schiex, M.-C., **Mailly, J.-G.**, & Yuste-Ginel, A. (2024b). How to manage supports in incomplete argumentation. In *13th International Symposium on Foundations of Information and Knowledge Systems (FoIKS 2024)* (pp. 319–339). [doi:10.1007/978-3-031-56940-1\\_18](https://doi.org/10.1007/978-3-031-56940-1_18)
- 7 Lagniez, J.-M., **Mailly, J.-G.**, & Lonca, E. (2024). A SAT-based approach for argumentation dynamics. In *Proceedings of the 23rd international conference on autonomous agents and multi-agent systems (AAMAS 2024)* (pp. 2351–2353).
- 8 Delobelle, J., **Mailly, J.-G.**, & Rossit, J. (2023c). Revisiting approximate reasoning based on grounded semantics. In *Seventeenth European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU 2023)* (pp. 71–83).
- 9 **Mailly, J.-G.** (2023a). A logical encoding for k-m-realization of extensions in abstract argumentation. In *Fifth International Conference on Logic and Argumentation (CLAR 2023)* (pp. 84–100).
- 10 **Mailly, J.-G.** (2023c). Extension-based semantics for incomplete argumentation frameworks: Grounded semantics and principles. In *Seventeenth European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU 2023)* (pp. 84–94).
- 11 Bacquey, Y., **Mailly, J.-G.**, Moraitis, P., & Rossit, J. (2022a). Admissibility in strength-based argumentation: Complexity and algorithms. In *9th international conference on computational models of argument (COMMA 2022)* (pp. 44–55).



- 12 **Mailly, J.-G.** (2022a). On incompleteness in abstract argumentation: Complexity and expressiveness. In *15th international conference on scalable uncertainty management (SUM 2022)* (pp. 19–33).  
 doi:10.1007/978-3-031-18843-5\_2
- 13 Gaigner, F., Dimopoulos, Y., **Maily, J.-G.**, & Moraitis, P. (2021). Probabilistic control argumentation frameworks. In *20th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2021)* (pp. 519–527).
- 14 **Maily, J.-G.** (2021a). Constrained incomplete argumentation frameworks. In *Sixteenth European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU 2021)* (pp. 103–116).
- 15 **Maily, J.-G.** (2021c). Extension-based semantics for incomplete argumentation frameworks. In *Fourth International Conference on Logic and Argumentation (CLAR 2021)* (pp. 322–341).
- 16 **Maily, J.-G.** (2020b). Possible controllability of control argumentation frameworks. In *8th International Conference on Computational Models of Argument (COMMA 2020)* (pp. 283–294).
- 17 **Maily, J.-G.**, & Rossit, J. (2020a). Argument, I choose you! Preferences and ranking semantics in abstract argumentation. In *17th International Conference on Principles of Knowledge Representation and Reasoning (KR 2020)* (pp. 647–651).
- 18 Dimopoulos, Y., **Maily, J.-G.**, & Moraitis, P. (2019a). Argumentation-based negotiation with incomplete opponent profiles. In *18th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2019)* (pp. 1252–1260).
- 19 Dimopoulos, Y., **Maily, J.-G.**, & Moraitis, P. (2018a). Control argumentation frameworks. In *32nd AAAI Conference on Artificial Intelligence (AAAI 2018)* (pp. 4678–4685).
- 20 Doutre, S., & **Maily, J.-G.** (2017a). Comparison criteria for argumentation semantics. In *15th European Conference on Multi-Agent Systems (EUMAS 2017)* (pp. 219–234).
- 21 Doutre, S., & **Maily, J.-G.** (2017c). Semantic change and extension enforcement in abstract argumentation. In *11th International Conference on Scalable Uncertainty Management (SUM 2017)* (pp. 194–207).
- 22 Brewka, G., **Maily, J.-G.**, & Woltran, S. (2016). Translation-based revision and merging for minimal horn reasoning. In *22nd European Conference on Artificial Intelligence (ECAI 2016)* (pp. 734–742).
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