

Curriculum vitae

Emiliano Lorini

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1 Identifying information

- Name: Emiliano Lorini
- Date of birth: 14/01/1977
- Place of birth: Florence, Italy
- Nationality: Italian
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1.1 Affiliations

- Institut de Recherche en Informatique de Toulouse (IRIT), Toulouse University.
- Member of the LabEx (Laboratoire d'Excellence) "Institute for Advanced Study in Toulouse (IAST)", Toulouse School of Economics.

1.2 Academic degrees

- "Habilitation à diriger des recherches" (HDR), Université Paul Sabatier, Toulouse, France, 2016.
- PhD in Cognitive Sciences, University of Siena, Italy, 2007.
- Master in Computer Science, Université Paul Sabatier, Toulouse, France, 2004.
- Master in Cognitive Sciences, University of Siena, Italy, 2003.

1.3 Employment

- Since 2019. Senior researcher ("Directeur de Recherche"), Centre National de la Recherche Scientifique (CNRS), IRIT, Toulouse, France
- 2009-2019. Researcher ("Chargé de Recherche"), Centre National de la Recherche Scientifique (CNRS), IRIT, Toulouse, France
- 2007-2009. Postdoc, Institut de Recherche en Informatique de Toulouse (IRIT), project ForTrust "ForTrust: Social Trust Analysis and Formalization", Agence Nationale de la Recherche Scientifique (ANR).
- 2006-2007. Postdoc, Institute of Cognitive Sciences and Technologies-CNR, Rome, Italy, project MindRACES "From Reactive to Anticipatory Cognitive Embodied Systems", Sixth Framework Programme-Information Society and Technologies-Cognitive Systems.
- June 2003-November 2003. One year research grant, Institute of Cognitive Sciences and Technologies-CNR, Rome, Italy, project OMLL "Origins of Man, Language and Languages", European Science Foundation (ESF).

2 Scientific activity

2.1 Responsibilities

I am co-head of the LILaC (Logic, Interaction, Language and Computation) team at the Institut de Recherche en Informatique de Toulouse (IRIT).

2.2 Awards and distinctions

- In 2014 I have been awarded of the CNRS bronze medal for my research in the area of Artificial Intelligence (AI).
- Best paper award at the Twenty-Eighth Annual Conference on Legal Knowledge and Information Systems (JURIX 2015).
- Distinguished Senior Program Committee Member, 27th International Joint Conference on Artificial Intelligence (IJCAI 2018).
- My paper *The Ceteris Paribus Structure of Logic of Game Forms* (JAIR 2015) was invited for presentation to the journal track of the 26th International Joint Conference on Artificial Intelligence (IJCAI 2017).

2.3 Member of editorial boards

- Since 2023. Associate editor of the journal of Artificial Intelligence (AIJ).
- Since 2010. Member of the editorial board of the journal “Topoi: An International Review of Philosophy”, Springer.

2.4 Member of scientific boards

- Since 2022. Member of the steering committee of the Institute for Advanced Study in Toulouse (IAST).
- Since 2020. Member of the steering committee (SC) of the Logical Aspects of Multi-Agent Systems (LAMAS) network.
- Since 2018. Emeritus member of the board of the European Association for Multi-Agent Systems (EURAMAS).
- 2021-2022. Member of the scientific board of the Toulouse Mind and Brain Institute (TMBI).
- 2015-2018. Liaison for the annual conference EUMAS (European Conference on Multi-agent Systems) and member of the board of the European Association for Multi-Agent Systems (EURAMAS).

2.5 Invited talks at international conferences and workshops

- International Workshop on Ethics of Public Robots and AI (EPURAI), 15-16 September 2022, Paris, France.
- International Conference on Social Logic: Logical Modeling in the Social Sciences, 17-21 August 2022, Dolomiti, Italy.

- Atelier ACAI (“Affects, Compagnons Artificiels et Interactions”), “Plate-Forme Intelligence Artificielle” 2022 (PFIA 2022), 30 June 2022, Saint-Etienne, France.
- International Conference on Formal Models of Causation in Law, 16-17 June 2022, University of Hamburg, Germany.
- Online invited talk for the DEON spring seminar in occasion of the the 70th anniversary of the first publication in modern deontic logic, 8 Juin 2022.
- First French-German Workshop on Perspectives on Ethics of Artificial Intelligence, 2-3 June 2022, Paris.
- Thematic week on Logic and Transdisciplinarity: Mathematics, Computer Science, Philosophy, Linguistics (“La Logique et la transdisciplinarité : Maths, Info, Philo, Linguistique”), 7-11 February 2022, Centre International de Rencontres Mathématiques (CIRM), Marseille, France.
- 15th International Conference on Deontic Logic and Normative Systems (DEON 2021), 21-24 July 2021, Munich Center for Mathematical Philosophy (MCMP-LMU), Munich, Germany.
- Logic of Conceivability Conference, June 2021, Institute for Logic, Language and Computation (ILLC), University of Amsterdam, Amsterdam, The Netherlands.
- Sixth workshop of the TICAMORE (Translating and Discovering Calculi for Modal and Related Logics) project, 5-6 October 2020, Marseille, France.
- International conference LORI VII (Seventh International Conference on Logic, Rationality and Interaction), South-West University, 18-21 October 2019, Chongqing, China.
- Second International Conference on Deliberation, Belief Aggregation, and Epistemic Democracy (DBAED II), 11-13 June 2019, Paris, France.
- Final workshop of the PIOTR (Permissions, Information and Institutional Dynamics, Obligations, and Rights) project, 14-15 December 2018, Bayreuth, Germany.
- International symposium on Logic and Uncertainty (SLU 2018), 11-14 November 2018, Sun Yat-sen University, Guangzhou, China.
- International workshop on Models of Bounded Reasoning in Individuals and Groups, 2-6 July 2018, Lorentz Center, Leiden, The Netherlands.
- International workshop on Doxastic Agency and Epistemic Logic, 15-16 December 2017, Bochum, Germany.
- International workshop Robolog 2017, 28-29 June 2017, “Institut de Recherche en Informatique et Systèmes Aléatoires” (IRISA), Rennes, France.
- First workshop of the PIOTR (Permissions, Information and Institutional Dynamics, Obligations, and Rights) project, 16-17 February 2016, Lublin, Poland.
- International workshop on Epistemic Modality and Reference, December 3th 2015, Université de Toulouse Jean Jaurès, Toulouse, France.

- International symposium “Let’s act! — Formal models of collective agency, intention, and responsibility”, 15th Congress of Logic, Methodology and Philosophy of Science (CLMPS 2015), 3-10 August 2015, Helsinki, Finland.
- International workshop on Correlated Information Change, 24-26 November 2014, Institute for Logic, Language and Computation (ILLC), University of Amsterdam, Amsterdam, The Netherlands.
- International symposium on Collective Reasoning, 3rd Conference of the European Network on Social Ontology (ENSO III), 23-25 October 2013, Helsinki, Finland.
- First international workshop on Formal Methods for the Informal World, 4-8 March 2013, Lorentz Center, Leiden, The Netherlands.
- 13th international workshop on Computational Logic in Multi-Agent Systems (CLIMA XIII), 27-28 August 2012, Montpellier, France.
- International workshop on Agency and Action, Institute of Philosophy, London, 1-2 November 2012, London, UK.
- International workshop on Multi-Agent Organisation (MAO), 19-23 December 2011, Lorentz Center, Leiden, The Netherlands.
- Second international workshop on Formal Models of Norm Change, University of Amsterdam, 18-20 January 2010, Amsterdam, The Netherlands.
- International symposium on Surprise in Natural and Artificial Agents, International Conference of the International Society for Research on Emotion (ISRE 2009), 6-8 August 2009, Leuven, Belgium.
- First international workshop on Formal Models of Norm Change, University of Luxembourg, 29-30 November 2007, Luxembourg.

2.6 Invited talks at seminars

- April 2023 (online seminar): LIRa (Logic and Interactive Rationality) seminar, Institute for Logic, Language and Computation (ILLC), University of Amsterdam. Title of the seminar: “Non-Classical Logics for Explanations in AI Systems”.
- March 2023 (online seminar): Working group on Computational Aspects of Ethics of the CNRS Research Axes (“Groupement de Recherche” GDR) RADIA (“Raisonnement, Apprentissage et Décision en Intelligence Artificielle”). Title of the seminar: “Moral Planning Agents”.
- November 2022 (online seminar): Explainable AI Seminars @ Imperial, Department of Computing, Imperial College London. Title of the seminar: “Non-Classical Logics for Explanations in AI Systems”.
- March 2020 (online seminar): Departement of Philosophy, Tsinghua University, Beijing, China. Title of the seminar: “Rethinking Epistemic Logic with Belief Bases”.
- November 2019: Departement of Philosophy, South-West University, Chongqing, China. Title of the seminar: “Trust-based belief change”.

- October 2018: Imperial College London, Department of Computing, UK. Title of the seminar: “Concurrent game structures for temporal STIT logic”.
- June 2018: John Paul II Catholic University of Lublin, Philosophy Department, Poland. Title of the seminar: “In praise of belief bases: logics of mental attitudes without possible worlds”.
- Dagstuhl seminar on Normative Multi-Agent Systems (NorMAS 2018), 22-27 April 2018, Dagstuhl, Germany. Title of the seminar: “In praise of belief bases: logics of mental attitudes without possible worlds”.
- June 2017: LITIS Laboratory, INSA, Rouen, France. Title of the seminar: “Belief, evidences and trust in agent societies”.
- September 2016: “Institut d’histoire et de philosophie des sciences et des techniques” (IHPST), Université Paris 1, ENS, France. Title of the seminar: “A logical theory of belief dynamics for resource-bounded agents”.
- May 2015: Department of Economics, Maastricht University, The Netherlands. Title of the seminar: “A minimal logic for interactive epistemology”.
- December 2014: Interdepartmental Centre for Research in the History, Philosophy, and Sociology of Law and in Computer Science and Law (CIRSFID), Bologna, Italy. Title of the seminar: “A logical analysis of responsibility attribution: emotions, individuals and collectives”.
- September 2013: Institute for Logic, Language and Computation (ILLC), University of Amsterdam, The Netherlands. Title of the seminar: “On the epistemic foundation for iterated weak dominance: an analysis in a logic of individual and collective attitudes”.
- April 2013: Department of Philosophy, University of Padua, Italy. Title of the seminar: “Ockhamist Propositional Dynamic Logic: a natural link between PDL and CTL*”.
- Dagstuhl seminar on Reasoning about Interaction: from Game theory to Logic and Back, 6-11 March 2011, Dagstuhl, Germany. Title of the seminar: “From Individualistic to Social Rationality in Strategic Games: a Logical Analysis”.
- September 2010: “Instituto de Investigacio en Inteligencia Artificial-Consejo Superior de Investigaciones Cientificas” (IIIA-CSIC), Barcelona, Spain. Title of the seminar: “A Logical Account of Social Rationality in Strategic Games”.
- Dagstuhl seminar on Normative Multi-Agent Systems (NorMAS 2009), 15-20 March 2009, Dagstuhl, Germany. Title of the seminar: “Dynamics of acceptances in institutional contexts: a modal logic account”.
- Dagstuhl seminar on Information Processing, Rational Belief Change and Social Interaction, 23-27 August 2009, Dagstuhl, Germany. Title of the seminar: “Epistemic games in modal logic: joint actions, knowledge and preferences all together ”.
- January 2010: Individual and Collective Reasoning Group (ICR), University of Luxembourg, Luxembourg. Title of the seminar: “Epistemic games in modal logic: from individual rationality to social preferences”.
- May 2008: Intelligent Systems Group (ISG), Utrecht University, The Netherlands. Title of the seminar: “A logic of intention and attempt”.

2.7 Supervision of PhD thesis

- Aditya Kar (ongoing), doctoral school Université Paul Sabatier, Toulouse, co-supervised with Simon Thorpe (CERCO).
- Timothy Parker (ongoing), doctoral school Université Paul Sabatier, Toulouse, co-supervised with Umberto Grandi (IRIT) and Rachid Alami (LAAS).
- Xinghan Liu (ongoing), doctoral school Université Paul Sabatier, Toulouse.
- Jorge Luis Fernandez Davila (defended in October 2022), doctoral school Université Paul Sabatier, Toulouse, co-supervised with Frédéric Maris (IRIT).
- Elise Perrotin (defended in October 2021), doctoral school Université Paul Sabatier, Toulouse, co-supervised with Andreas Herzig (IRIT).
- Valentina Pitoni (defended in May 2020), doctoral school Università degli Studi dell'Aquila, Italy, co-supervised with Stefania Constantini (Università degli Studi dell'Aquila).
- Arianna Novaro (defended in November 2019), doctoral school Université Paul Sabatier, Toulouse, co-supervised with Umberto Grandi (IRIT) and Dominique Longin (IRIT).
- Faustine Maffre (defended in October 2016), doctoral school Université Paul Sabatier, Toulouse, co-supervised with Andreas Herzig (IRIT).
- Frédéric Moisan (defended in October 2013), doctoral school Université Paul Sabatier, Toulouse, co-supervised with Andreas Herzig (IRIT) and Astrid Hopfensitz (Toulouse School of Economics).
- Nadine Guiraud (defended in September 2013), doctoral school Université Paul Sabatier, Toulouse, co-supervised with Andreas Herzig (IRIT) and Dominique Longin (IRIT).
- François Schwarzenruber (defended in December 2010), doctoral school Université Paul Sabatier, Toulouse, co-supervised with Olivier Gasquet (IRIT) and Andreas Herzig (IRIT).

2.8 Supervision of student internships

I have supervised the internships of eight bachelor and master students: Éloan Rapon (L3, ENS Rennes, 2020), Ales Gubarevich (M2, Université Paul Sabatier, 2020), Charles Berthaume (M2, Université Paul Sabatier, 2014), Faustine Maffre (M2, Université Paul Sabatier, 2013), Teddy Bouziate (M2, Université Paul Sabatier, 2013), Maxime Sanselone (M2, Université Paul Sabatier, 2012), Charles Cultien (M2, Université Paul Sabatier, 2011), Eric Brady (M2, Université Paul Sabatier, 2010).

2.9 Organization of scientific events

- Co-organizer of the international workshop on Explanation and Epistemic Reasoning, IRIT, Université Paul Sabatier, Toulouse, December 2022.
- Sponsorship chair of the 19th International Workshop on Non-Monotonic Reasoning (NMR 2021), Hanoi, Vietnam, November 2021.

- Co-organizer of the special Session on Natural Language and Argumentation 2020 (NLA'20) at DCAI'20 (17th International Conference on Distributed Computing and Artificial Intelligence), L'Aquila, Italy, October 2020.
- Co-organizer of the Seventeenth International Conference on the Theoretical Aspects of Reasoning about Knowledge (TARK 2019), IRIT, Université Paul Sabatier, Toulouse, July 2019.
- Organizer of the atelier “AI and security” in collaboration with the French Ministry of Interior, IRIT, Université Paul Sabatier, Toulouse, November 2017.
- Organizer of the international workshop on “Logical Representation of Actions, Individual and Collective Attitudes”, IRIT, Université Paul Sabatier, Toulouse, July 2017.
- Co-organizer of the “CIMI Pluridisciplinary Workshop on Game Theory”, Université Paul Sabatier, Toulouse, November 2015.
- Co-organizer of the international workshop “False beliefs and true lies: on individual and group beliefs and their formation”, IRIT, Toulouse, June 2014.
- Co-organizer of the international workshop “Information Dynamics in Artificial Societies (IDAS)” during ESSLLI 2014 (European Summer School on Logic, Language and Information), Tübingen, Germany, August 2014.
- Organizer of the international workshop on “Logic and Game Theory”, IRIT, Toulouse, September 2013.
- Co-organizer of the international workshop “The Cognitive Foundations of Group Attitudes and Social Interaction”, IRIT, Toulouse, May 2012.
- Co-organizer of the international workshop “Theories of Information Dynamics and Interaction and their Application to Dialogue” during ESSLLI 2010 (European Summer School on Logic, Language and Information), Copenhagen, Denmark, August 2010.
- Chair of the organizing committee of LOFT 2010 (Ninth International Conference on the Foundations of Game and Decision Theory), Toulouse, July 2010.
- Co-organizer of the international workshop “Logical Methods for Social Concepts” during ESSLLI 2009 (European Summer School on Logic, Language and Information), Bordeaux, France, July 2009.
- Organizer of the special session “Formal models of Trust” during “Eleventh International workshop on Trust in Agent Societies”, Estoril, Portugal, May 2008.
- Organizer of the international workshop “Understanding Intentional Action”, Institute of Cognitive Science and Technologies-CNR, Rome, Italy, October 2006.

2.10 Taught courses and tutorials

- Tutorial on “Introduction to Cognitive Planning” during PFIA 2022 (Plate-Forme Intelligence Artificielle), Saint Étienne, France, July 2022. With Jorge Luis Fernandez Davila, Dominique Longin and Frédéric Maris.

- Course on “Logic of Action and Norms” during International Summer School on Law and Logic 2022, organized by European University Institute (EUI), Fiesole, Italy, July 2022 (online event).
- Course on “Deontic and Modal Logic” during International Summer School on Law and Logic 2021, organized by European University Institute (EUI), Fiesole, Italy, July 2021 (online event).
- Tutorial on “Belief and Opinion Dynamics and Aggregation in Multi-Agent Systems” during IJCAI 2020 (Twenty-Ninth International Joint Conference on Artificial Intelligence), Tokyo, Japan, January 2020. With Umberto Grandi and Arianna Novaro.
- Course on “Deontic and Modal Logic” during International Summer School on Law and Logic 2019, European University Institute (EUI), Fiesole, Italy, July 2019.
- Course on “Deontic and Modal Logic” during International Summer School on Law and Logic 2018, European University Institute (EUI), Fiesole, Italy, July 2018.
- Tutorial on “Logic of Desires” during the 6th UNILOG World Congress and School on Universal Logic, Vichy, June 2018.
- Tutorial on “Logics for Multi-Agent Systems” during AAMAS 2017 (16th International Conference on Autonomous Agents and Multiagent Systems), Sao Paulo, Brazil, May 2017.
- Course on “Logics for Multi-Agent Systems” during EASSS 2015 (Seventeenth European Agent Systems Summer School), Barcelona, Spain, July 2015. With Andreas Herzig.
- Course on “Logics of Action and Time” during ESSLLI 2014 (European Summer School on Logic, Language and Information), Tübingen, Germany, August 2014. With Philippe Balbiani.
- Tutorial on “Computational and formal models of cognitive emotions” during AAMAS 2012 (Eleventh International Joint Conference on Autonomous Agents and Multi-Agent Systems), Valencia, Spain, June 2012. With Mehdi Dastani.
- Course on “Logics of Action and Agency” during EASSS 2011 (Thirteenth European Agent Systems Summer School), Girona, Spain, July 2011. With Andreas Herzig.
- Tutorial on “Logics for Multi-Agent Systems”, Journées d’Intelligence Artificielle Fondamentale (IAF’10), Strasbourg, France, June 2010. With Tiago de Lima.
- Course on “Individual and Collective Intentionality” during ESSLLI 2009 (European Summer School on Logic, Language and Information), Bordeaux, France, July 2009. With Andreas Herzig.

Moreover, I regularly teach at Université Paul Sabatier, Toulouse:

- Since 2012. Course “Logics for AI and Multi-Agent Systems”, Master in Computer Science, Université Paul Sabatier, Toulouse (approximately 10-15 hours per year).
- Since 2022. Undergraduate course “Introduction to Logic II (Structures Discrètes II)”, Computer Science program, Université Paul Sabatier, Toulouse (approximately 20 hours per year).

- Since 2019. Undergraduate course “Introduction to Logic I (Structures Discrètes I)”, Computer Science program, Université Paul Sabatier, Toulouse (approximately 20 hours per year).

2.11 Projects

- **Principal investigator**

- 2022-2023. Bilateral project IRIT-University of Bologna (Italy) LEXIA “The Logic of Explanation: From Explainable to Explaining Legal Knowledge-based Systems”, funded by CNRS, appel à projets unique 2022.
- 2019-2023. Project CoPains “Cognitive Planning in Multimodal Persuasive Communication”, funded by Agence Nationale de la Recherche (ANR), PRCE (Projet de Recherche Collaborative-Entreprise), ANR 2018.
Webpage: <https://www.irit.fr/~Emiliano.Lorini/Copains.htm>
- 2018-2019. Project RoToM “Robots with a theory of mind: from logical formalization to implementation”, funded by CNRS, programme PEPS CNRS S2IH INS2I 2018.
Webpage: <https://www.irit.fr/~Emiliano.Lorini/RoToM.htm>
- 2017-2019. Project “Bounded rationality, uncertainty and ignorance in formal systems” (FORMALSYS) funded by LabEx CIMI (Centre International de Mathématiques et d’Informatique de Toulouse), Toulouse University.
- 2015. Thematic trimester on Game Theory funded by LabEx CIMI (Centre International de Mathématiques et d’Informatique de Toulouse), Toulouse University.
Webpage: <http://www.cimi.univ-toulouse.fr/gametheory/en/home-gametheory>
- 2012-2014. Project EmoTES “Emotions in strategic interaction: theory, experiments, logical and computational studies”, funded by Agence Nationale de la Recherche (ANR), programme EMCO 2011 (Emotion, Cognition, Comportement).
Webpage: <http://www.irit.fr/EmoTES/>
- 2011-2012. Bilateral project France-The Netherlands, “Games for Norms: Logical and Computational Aspects (Games4Norms)”, programme Van Gogh 2011, ‘partenariat Hubert Curien (HC) franco-néerlandais’.

- **Partner’s coordinator**

- 2023-2025. Project EpiRL “Epistemic Reinforcement Learning”, funded by Agence Nationale de la Recherche (ANR), PRCE (Projet de Recherche Collaborative-Entreprise), ANR 2022. Scientific coordinator for IRIT. Principal Investigator: François Schwarzentruher, ENS Rennes.

- **Participant**

- 2020-2023: European network TAILOR “Developing The Scientific Foundations For Trustworthy AI” funded by EU Horizon 2020.
- 2020-2024: Project “Empowering Data-driven AI by Argumentation and Persuasion” funded by ANITI (Artificial and Natural Intelligence Toulouse Institute). Principal investigator: Leila Amgoud, IRIT.
- 2019-2021: Project AGAPE “An Auction Language for General Auction Players”, funded by Agence Nationale de la Recherche (ANR). Principal investigator: Laurent Perrussel, IRIT.

- 2019-2021: Project SCONE “Social Choice on Social Networks”, funded by Agence Nationale de la Recherche (ANR), JCJC program. Principal investigator: Umberto Grandi, IRIT.
- 2018-2020. Project “Logics of information Flow in Social Networks”. Funded by the Major Program of the National Social Science Foundation of China. Principal investigator: Fenrong Liu, Tsinghua University, Beijing.
Webpage: <https://fenrongproject.netlify.com/#about>
- 2016-2018: Project SINT “Social INTelligence: experiments and theories concerning economic agents”, funded by Agence Nationale de la Recherche (ANR), JCJC program. Principal investigator: Astrid Hopftensitz, Toulouse School of Economics.
- 2016-2018. Project “Social Choice on Networks” funded by LabEx CIMI (Centre International de Mathématiques et d’Informatique de Toulouse), Toulouse University. Principal investigator: Umberto Grandi, IRIT.
- 2010-2013. Project TIES “Social ties in economics: experiments and theory”, funded by Agence Nationale de la Recherche (ANR). Principal investigator: Astrid Hopftensitz, Toulouse School of Economics.
- 2011-2013. Project PIMI “Personal Information Management through Internet”, funded by Agence Nationale de la Recherche (ANR). Principal investigator: Olivier Nicolas, Genigraph.
- 2009-2011. Project CECIL “Complex Emotions in Communication”, funded by Agence Nationale de la Recherche (ANR). Principal investigator: Dominique Longin, IRIT.
- 2008-2011. Project MAELIA “Multi-Agent simulation for Environmental Laws Impact Assessment”, funded by Science and Technology of Aeronautics and Space (STAE). Principal investigator: Frédéric Amblard, IRIT.
- 2007-2010. Project ForTrust “Social trust analysis and formalization”, funded by Agence Nationale de la Recherche (ANR). Principal investigator: Andreas Herzig, IRIT.
- 2005-2011. “Interdisciplinary Laboratory on Interacting Knowledge Systems” (LEA) ILIKS. Bilateral project CNRS and Italian CNR. Principal investigator: Laure Vieu, IRIT.

- **Coordination working groups of international projects**

- 2012-2014. Head of the working group “Group attitudes” of the European research network SINTELNET “European Network for Social Intelligence”.
Webpage of the research network: <https://www.iiia.csic.es/sintelnet/>

2.12 Chair of program committees

- Doctoral Consortium of the 20th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2021), London, UK.
- International conference LORI VII (Seventh International Conference on Logic, Rationality and Interaction), South-West University, Chongqing, China, 2019.
- International workshop NAG 2016 (Second International Workshop on Norms, Actions and Games), Toulouse School of Economics, Toulouse, France.

- International workshop LAMAS 2015 (8th Workshop on Logical Aspects of Multi-Agent Systems), Istanbul, Turkey.
- International conference ECSI 2014 (First European Conference on Social Intelligence), Barcelona, Spain.
- International workshop EUMAS 2013 (11th European Workshop on Multi-Agent Systems), IRIT, Toulouse, France.

2.13 Area chair of program committees

- 18th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2019)
- 17th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2018)

2.14 Senior member of program committees

- 22nd International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2023)
- 37th AAAI Conference on Artificial Intelligence (AAAI 2023)
- 30th International Joint Conference on Artificial Intelligence (IJCAI 2021)
- 35th AAAI Conference on Artificial Intelligence (AAAI 2021)
- 29th International Joint Conference on Artificial Intelligence (IJCAI 2020)
- 24th European Conference on Artificial Intelligence (ECAI 2020)
- 28th International Joint Conference on Artificial Intelligence (IJCAI 2019)
- 27th International Joint Conference on Artificial Intelligence (IJCAI 2018)

2.15 Regular member of program committees

- 1st International Workshop on Logic, AI and Law 2023 (LAIL 2023)
- 9th International Conference on Logic, Rationality and Interaction (LORI-IX)
- 20th Pacific Rim International Conference on Artificial Intelligence (PRICAI 2023)
- The Safe and Trustworthy AI Workshop (STAI) at the 39th International Conference on Logic Programming (ICLP 2023)
- 26th European Conference on Artificial Intelligence (ECAI 2023)
- 20th International Conference on Principles of Knowledge Representation and Reasoning (KR 2023)
- 32nd International Joint Conference on Artificial Intelligence (IJCAI 2023)
- 18th European Conference on Logics in Artificial Intelligence
- 35th International Conference on Legal Knowledge and Information Systems (JURIX 2022)
- 24th International Conference on Principles and Practice of Multi-Agent Systems (PRIMA 2022)
- 14th Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2022)
- Fundraising Online Logic Event for Peace (Logic4Peace)
- 18th European Conference on Multi-Agent Systems (EUMAS 2021)

- International Workshop on Logical Aspects in Multi-Agent Systems and Strategic Reasoning (LAMAS&SR'22)
- 19th International Conference on Principles of Knowledge Representation and Reasoning (KR 2022)
- 21th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2022)
- 31st International Joint Conference on Artificial Intelligence (IJCAI-ECAI 2022)
- 18th European Conference on Multi-Agent Systems (EUMAS 2021)
- 30th ACM International Conference on Information and Knowledge Management (CIKM 2021)
- 18th International Conference on Principles of Knowledge Representation and Reasoning (KR 2021)
- 17th European Conference on Logics in Artificial Intelligence (JELIA 2021)
- 22nd International workshop on Trust in Agent Societies (TRUST 2021)
- 20th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2021)
- 23rd International Conference on Principles and Practice of Multi-Agent Systems (PRIMA 2020)
- 29th ACM International Conference on Information and Knowledge Management (CIKM 2020), Applied Papers PC
- International workshop “The wisdom and madness of crowds: argumentation, information exchange and social interaction” (ArgInfoexchange 2020)
- 17th Conference on Principles of Knowledge Representation and Reasoning (KR 2020)
- 7th International Conference on Agreement Technologies (AT 2020)
- 17th European Conference on Multi-Agent Systems (EUMAS 2020)
- Third International Conference on Logic and Argumentation (CLAR 2020)
- 14th Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2020)
- Seventeenth Conference on the Theoretical Aspects of Reasoning about Knowledge (TARK 2019)
- 33th AAAI Conference on Artificial Intelligence (AAAI 2019)
- 16th European Conference On Logics In Artificial Intelligence (JELIA 2019)
- 22nd International Conference on Principles and Practice of Multi-Agent Systems (PRIMA 2019)
- The 32nd International Conference on Legal Knowledge and Information Systems (JURIX 2019)
- 21st International workshop on Trust in Agent Societies (TRUST 2019)
- 16th European Conference on Multi-Agent Systems (EUMAS 2018)
- 16th International Conference on Principles of Knowledge Representation and Reasoning (KR 2018)
- The 31st international conference on Legal Knowledge and Information Systems (JURIX 2018)
- 16th International Conference on Principle and Practice of Multi-Agent Systems (PRIMA 2018)
- 32nd AAAI Conference on Artificial Intelligence (AAAI 2018)
- 13th Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2018)
- 14th International Conference on Deontic Logic and Normative Systems (DEON 2018)
- Twentieth International Workshop on Trust in Agent Societies (TRUST 2018)
- First International Symposium on Emotion Modeling and Detection in Social Media and Online Interaction (Emotions@AISB 2018)
- 6th International Conference on Agreement Technologies (AT 2018)
- First International workshop on Socio-Cognitive Systems (SCS)
- AAMAS-IJCAI 2018 workshop on Agents & Incentives in AI (AI'3)
- 5th International Workshop on Defeasible and Ampliative Reasoning (DARe-18)
- IJCAI Workshop on Learning and Reasoning: Principles & Applications to Everyday Spatial and Temporal Knowledge (L&R 2018)
- 15th European Conference on Multi-Agent Systems (EUMAS 2017)
- Sixteenth Conference on the Theoretical Aspects of Reasoning about Knowledge (TARK 2017)
- First International Workshop on Computational Accountability and Responsibility in Multiagent Systems (CARE-MAS 2017)

- 5th International Conference on Agreement Technologies (AT 2017)
- The 3rd IJCAI Algorithmic Game Theory Workshop (AGT@IJCAI2017)
- First International Workshop on Logical Foundations For Uncertainty And Machine Learning (LFU 2017)
- Sixth International Conference on Logic, Rationality and Interaction (LORI-6)
- First Joint Ontology Workshops (JOWO 2017)
- 7th International Conference on Affective Computing and Intelligent Interaction (ACII 2017)
- 3rd International Workshop on Emotion and Sentiment in Social and Expressive Media: User Engagement and Interaction (ESSEM 2017)
- 15th International Conference on Principle and Practice of Multi-Agent Systems (PRIMA 2017)
- Twenty-sixth International Joint Conference on Artificial Intelligence (IJCAI 2017)
- 11th Multi-disciplinary International Workshop on Artificial Intelligence (MIWAI 2017)
- Nineteenth International Workshop on Trust in Agent Societies (TRUST 2017)
- International Workshop on Coordination, Organizations, Institutions and Norms in Agent Systems (COIN 2017)
- 16th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2017)
- 31st AAAI Conference on Artificial Intelligence (AAAI 2017)
- Ninth International Conference on Agents and Artificial Intelligence (ICAART 2017)
- 4th International Conference on Agreement Technologies (AT 2016)
- 14th European Conference on Multi-Agent Systems (EUMAS 2016)
- Social Simulation Conference 2016 (SSC 2016)
- The 2016 Normative Multiagent Systems Workshop (NorMAS 2016)
- 10th Multi-disciplinary International Workshop on Artificial Intelligence (MIWAI 2016)
- Coordination, Organizations, Institutions and Norms @ the European Conference on Artificial Intelligence (COIN@ECAI2016)
- 10th International Web Rule Symposium (RuleML 2016)
- 3rd IEEE International Conference on Data Science and Advanced Analytics (DSAA2016)
- 14th International Conference on Principle and Practice of Multi-Agent Systems (PRIMA 2016)
- 15th European Conference On Logics In Artificial Intelligence (JELIA 2016)
- 8th European Starting AI Researcher Symposium (STAIRS 2016)
- Second IJCAI Workshop on Algorithmic Game Theory (AGT@IJCAI-2016)
- 22nd European Conference on Artificial Intelligence (ECAI 2016)
- Twenty-fifth International Joint Conference on Artificial Intelligence (IJCAI 2016)
- Fifteenth International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2016)
- Fifteenth International Conference on Principles of Knowledge Representation and Reasoning (KR 2016)
- Fourth International Workshop on Strategic Reasoning (SR 2016)
- Ninth International Workshop on Logical Aspects of Multi-Agent Systems (LAMAS 2016)
- Eight International Conference on Agents and Artificial Intelligence (ICAART 2016)
- International workshop on Coordination, Organizations, Institutions and Norms in Agent Systems (COIN@AAMAS2016)
- Eighteenth International Workshop on Trust in Agent Societies (Trust in Agent Societies 2016)
- Thirteenth International Conference on Deontic Logic and Normative Systems (DEON 2016)
- Chinese Conference on Logic and Argumentation (CLAR 2016)
- Twelfth International Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2016)

- First IJCAI Workshop on Algorithmic Game Theory (AGT@IJCAI-2015)
- International Workshop on Coordination, Organizations, Institutions and Norms in Agent Systems (COIN@AAMAS2015)
- Second International Workshop on Emotion and Sentiment in Social and Expressive Media (ESSEM 2015)
- Twentieth Fourth International Joint Conference on Artificial Intelligence (IJCAI 2015)
- Fourteenth International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2015)
- Fifth International Conference on Logic, Rationality and Interaction (LORI-V)
- Second International Workshop on Multiagent Foundations of Social Computing (MFSC 2015)
- Ninth International Web Rule Symposium (RuleML 2015)
- Twelfth European Workshop on Multi-Agent Systems (EUMAS 2014)
- First International Workshop on Norms, Actions and Games (NAG 2014)
- Twelfth International Conference on Deontic Logic in Computer Science (DEON 2014)
- Fifteenth International Workshop on Computational Logic in Multi-Agent Systems (CLIMA XV)
- Seventh Workshop on Logical Aspects of Multi-Agent Systems (LAMAS 2014)
- Fourteenth International Conference on Principles of Knowledge Representation and Reasoning (KR 2014)
- Seventeenth International Workshop on Trust in Agent Societies (Trust in Agent Societies 2014)
- First International Workshop on Multiagent Foundations of Social Computing (SC-AAMAS-2014)
- Second International Workshop on Social Coordination: Principles, Artifacts and Theories (SOCIAL.PATH 2014)
- Second Workshop on Affects, Compagnons Artificiels et Interactions (WACAI 2014)
- Eighth Multi-disciplinary International Workshop on Artificial Intelligence (MIWAI 2014)
- Dix-neuvième congrès francophone sur la Reconnaissance des Formes et l'Intelligence Artificielle (RFIA 2014)
- Second International Workshop on Strategic Reasoning (SR 2014)
- Eleventh International Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2014)
- Thirteenth International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2014)
- Fourteenth International Workshop on Computational Logic in Multi-Agent Systems (CLIMA XIV)
- Seventh International Symposium on Rules: Research Based and Industry Focused (RuleML 2013)
- Second International Workshop on Weighted Logics for AI (WL4AI 2013)
- Sixteenth International Workshop on Trust in Agent Societies (Trust in Agent Societies 2013)
- First International Workshop on Social Coordination: Principles, Artifacts and Theories (SOCIAL.PATH 2013)
- First International Workshop on Emotion and Sentiment in Social and Expressive Media: approaches and perspectives from AI (ESSEM 2013)
- Seventh Multi-Disciplinary International Workshop on Artificial Intelligence (MIWAI 2013)
- Twentieth Third International Joint Conference on Artificial Intelligence (IJCAI 2013)
- Twelfth International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2013)
- Thirteenth International Workshop on Computational Logic in Multi-Agent Systems (CLIMA XIII)
- First International Workshop on Weighted Logics for AI (WL4AI 2012)
- Fifteenth International Workshop on Trust in Agent Societies (Trust in Agent Societies 2012)
- Eleventh International Conference on Deontic Logic in Computer Science (DEON 2012)
- Twentieth European Conference on Artificial Intelligence (ECAI 2012)

- Fourth International Conference on Adaptive and Self-adaptive Systems and Applications (ADAPTIVE 2012)
- Sixth International Symposium on Rules: Research Based and Industry Focused (RuleML2012@ECAI)
- Eleventh International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2012)
- Third International Workshop on Logic, Rationality and Interaction (LORI-III)
- Third International Conference on Adaptive and Self-adaptive Systems and Applications (ADAPTIVE 2011)
- Fifth International Symposium on Rules: Research Based and Industry Focused (RuleML2011@BRF)
- RuleML 2011@IJCAI Doctoral Consortium
- Fifth International Symposium on Rules: Research Based and Industry Focused (RuleML2011@IJCAI)
- Twelfth International Workshop on Computational Logic in Multi-Agent Systems (CLIMA XII)
- Twentieth Second International Joint Conference on Artificial Intelligence (IJCAI 2011)
- Fourteenth International Workshop on Trust in Agent Societies (Trust in Agent Societies 2011)
- Thirteenth International Conference on Artificial Intelligence and Law (ICAIL 2011)
- Tenth International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2011)
- Fifth IFIP International Conference on Trust Management (IFIPTM 2011)
- Third Workshop on Logics for Intelligent Agents and Multi-Agent Systems (WLIAMAS 2010)
- Second International Conference on Adaptive and Self-adaptive Systems and Applications (ADAPTIVE 2010)
- Ninth International Conference on the Foundations of Games and Decision Theory (LOFT 2010)
- Thirteenth International Workshop on Trust in Agent Societies (Trust in Agent Societies 2010)
- Ninth International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2010)
- Fourth IFIP International Conference on Trust Management (IFIPTM 2010)
- First Workshop on Computational Trust for Self-Adaptive Systems (SELFTRUST 2009)
- Eighth International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2009)
- Eighteenth European Conference on Artificial Intelligence (ECAI'08)

2.16 Reviewing for journals

Artificial Intelligence Journal; Journal of Artificial Intelligence Research (JAIR); Artificial Intelligence Review; Synthese; Journal of Applied Logic; Journal of Logic and Computation; Emotion Review; Games and Economic Behavior; International Journal of Game Theory; Fundamenta Informaticae; ACM Transactions on Internet Technology; Mathematical Social Sciences; Journal of Applied Non-Classical Logics; Journal of Autonomous Agents and Multi-Agent Systems (JAAMAS); Journal of Algorithms in Cognition, Informatics and Logic; Journal of Philosophical Logic; International Journal of Web Intelligence & Agent Systems; ACM Transactions on Intelligent Systems and Technology; Studia Logica; IEEE Transactions on Affective Computing; Artificial Intelligence and Law; Logique & Analyse; Phenomenology and the Cognitive Sciences; Journal of Approximate Reasoning; AI Communications; Neural Computing and Applications; Dialectica; Journal of Logic, Language and Information (JOLLI); Erkenntnis; ACM Computing Surveys; Journal of Social Ontology; IfCoLog Journal of Logics and their Applications; Journal of Mathematical Economics; Social Choice and Welfare; Journal of Artificial Societies and Social Simulation (JASSS); Information Sciences.

2.17 Member of PhD thesis committee

- 2023: Lucas de Lara, Institut de Mathématiques de Toulouse (IMT), Université Paul Sabatier, Toulouse, France. *Examiner*.
- 2023: Aldo Ramírez Abarca, Department of Philosophy, University of Utrecht, The Netherlands. *Examiner*.
- 2023: Emery Neufeld, Faculty of Informatics, Technische Universität Wien, Austria. *Reviewer*.
- 2022: Davide Liga, PhD programme in “Law, Science and Technology”, University of Bologna, Italy. *Examiner*.
- 2021: Saul Fernandez Gonzalez, Université Paul Sabatier, Toulouse. *Examiner*.
- 2021: Patricia Chiril, Université Paul Sabatier, Toulouse. *Examiner (President of the PhD Defense Committee)*.
- 2021: Yuri David Santos, Faculty of Philosophy, University of Groningen, The Netherlands. *Examiner*.
- 2020: Andrej Dameski, PhD programme in “Law, Science and Technology”, University of Bologna, Italy. *Examiner*.
- 2020: Tiziano Dalmonte, Aix-Marseille Université, Laboratoire d’Informatique et des Systèmes (LIS), Marseille. *Reviewer*.
- 2019: Alya Yacoubi, Laboratoire d’Informatique pour la Mécanique et les Sciences de l’Ingénieur (LIMSI), Paris. *Examiner*.
- 2018: Fiona Berreby, Laboratoire d’Informatique de Paris 6 (LIPS6), Sorbonne University, Paris. *Reviewer*.
- 2016: Florian Pecune, Telecom ParisTech, Paris. *Examiner*.
- 2011: Pablo Seban, Université Paul Sabatier, Toulouse. *Examiner*.
- 2010: Manh-Hung Nguyen, Université Paul Sabatier, Toulouse. *Examiner*.

2.18 Member of master thesis committee

- 2022: Miriam Herzig, Master in Computer Science, Faculty of Engineering, Department of Computer Science, University of Freiburg, Germany. *Examiner*.

2.19 Member of habilitation committee

- 2021: Gauvain Bourgne, Laboratoire d’Informatique de Paris 6 (LIPS6), Sorbonne University, Paris. *Reviewer*.

2.20 Project evaluator

- 2020: member of the pool of international experts for the “Trilateral call for proposals France-Germany-Japan on artificial intelligence (AI) 2019”, Agence Nationale de la Recherche Scientifique (ANR).

2.21 Dissemination of scientific knowledge

I regularly make invited seminars and tutorials on the topic of artificial intelligence (AI) for the general audience and for the industries with the aim of disseminating knowledge on my research area. This includes:

- Tutorial at the second edition of the festival “Les maths en scène: les maths dans tous leurs états”, Toulouse, 15 Mars 2018.
- Tutorial for the Industrial Cluster RoboticsPlace, Toulouse, 2018.
- Tutorial at the first edition of the festival “Les maths en scène: les maths dans tous leurs états”, Toulouse, 17 Mars 2017.
- Seminar at the “Convention scientifiques sur Intelligence Artificielle et Technologies Cognitives”, Tremplin Carnot Cognition, Toulouse, 22 November 2017.
- Seminar at Innovation IT Day, DigitalPlace, Toulouse, 29 June 2017.