

Publications

Emiliano Lorini

• Journal papers

1. Balbiani, P., Fernández-Duque, D., Lorini, E. (forthcoming). The dynamics of epistemic attitudes in resource-bounded agents. *Studia Logica*.¹
2. Lorini, E., Mühlenbernd, R. (2018). The long-term benefits of following fairness norms under dynamics of learning and evolution. *Fundamenta Informaticae*, 158(1-3), pp. 121-148.
3. Ciuni, R., Lorini, E. (2018). Comparing semantics for temporal STIT logic. *Logique & Analyse*, 61(243), pp. 299-339.
4. Lorini, E. (2017). Logics for games, emotions and institutions. *If-CoLog Journal of Logics and their Applications*, 4(9), pp. 3075-3113.
5. Dubois, D., Lorini, E., Prade, H. (2017). The strength of desires: a logical approach. *Minds and Machines*, 27(1), pp. 199-231.
6. Herzig, A., Lorini, E., Perrussel, L., Xiao, Z. (2017). BDI logics for BDI architectures: old problems, new perspectives. *Künstliche Intelligenz*, 31(1), pp. 73-83.
7. Attanasi, G., Hopfensitz, A., Lorini, E., Moisan, F. (2016). Social connectedness improves co-ordination on individually costly, efficient outcomes. *European Economic Review*, 90, pp. 86-106.
8. Lorini, E., Sartor, G. (2016). A STIT logic for reasoning about social influence. *Studia Logica*, 104(4), pp. 773-812.
9. Galeazzi, P., Lorini, E. (2016). Epistemic logic meets epistemic game theory: a comparison between multi-agent Kripke models and type spaces. *Synthese*, 193(7), pp. 2097-2127.
10. Bolander, T., van Ditmarsch, H., Herzig, A., Lorini, E., Pardo, P., Schwarzentruher, F. (2016). Announcements to attentive agents. *Journal of Logic, Language and Information*, 25(1), pp. 1-35.
11. Lorini, E. (2016). A minimal logic for interactive epistemology. *Synthese*, 193(3), pp. 725-755.

¹Available at <https://link.springer.com/article/10.1007/s11225-018-9798-4>.

12. Lorini, E. (2016). A logic for reasoning about moral agents. *Logique & Analyse*, 58(230), pp. 177-218.
13. Grossi, D., Lorini, E., Schwarzenrüber, F. (2015). The ceteris paribus structure of logics of game forms. *Journal of Artificial Intelligence Research*, 53, 91-126.
14. Lorini, E., Longin, D., Mayor, E. (2014). A logical analysis of responsibility attribution: emotions, individuals and collectives. *Journal of Logic and Computation*, 24(6), pp. 1313-1339.
15. Hopfensitz, A., Lorini, E., Moisan, F. (2014). Conflicting goals and their impact on games where payoffs are more or less ambiguous. Commentary on "Mapping Collective Behavior in the Big-data Era". *Behavioral and Brain Sciences*, 37(1), pp. 85-87.
16. Attanasi, G., Hopfensitz, A., Lorini, E., Moisan, F. (2014). The effects of social ties on coordination: conceptual foundations for an empirical analysis. *Phenomenology and the Cognitive Sciences*, 13(1), pp. 47-73.
17. Lorini, E. (2013). Temporal STIT logic and its application to normative reasoning. *Journal of Applied Non-Classical Logics*, 23(4), pp. 372-399.
18. Lorini, E. (2013). On the epistemic foundation for iterated weak dominance: an analysis in a logic of individual and collective attitudes. *Journal of Philosophical Logic*. 42(6), pp. 863-904.
19. Reizenzein, R., Hudlicka, E., Dastani, M., Gratch, J., Hindriks, K., Lorini, E., Meyer, J.-J. (2013). Computational modeling of emotion: towards improving the inter- and intradisciplinary exchange. *IEEE Transactions on Affective Computing*, 4(3), pp. 246-266.
20. Lorini, E., Troquard, N., Herzig, A., Broersen, J. (2012). Grounding power on actions and mental attitudes. *Logic Journal of the IGPL*, 21 (3), pp. 311-331.
21. Lorini, E. (2011). From self-regarding to other-regarding agents in strategic games: a logical analysis. *Journal of Applied Non-Classical Logics*, 21 (3-4), pp. 443-476.
22. Lorini, E., Moisan, F. (2011). An epistemic logic of extensive games. *Electronic Notes in Theoretical Computer Science*, 278, pp. 245-260.
23. Lorini, E., Schwarzenrüber, F. (2011). A logic for reasoning about counterfactual emotions. *Artificial Intelligence*, 175(3-4), pp. 814-847.
24. Lorini, E., Schwarzenrüber, F. (2010). A modal logic of epistemic games. *Games*, 1(4), pp. 478-526.
25. Lorini, E. (2010). A dynamic logic of agency II: deterministic DLA, coalition logic, and game theory. *Journal of Logic, Language and Information*, 19(3), pp. 327-351.

26. Ben-Naim, J., Bonnefon, J. F., Herzig, A., Leblois, S., Lorini, E. (2010). Computer-mediated trust in self-interested expert recommendations. *AI & Society*, 25(4), pp. 413-422.
27. Herzig, A., Lorini, E., Hübner, J. F., Vercouter, L. (2010). A logic of trust and reputation. *Logic Journal of the IGPL*, 18(1), pp. 214-244.
28. Herzig, A., Lorini, E. (2010). A dynamic logic of agency I: STIT, abilities and powers. *Journal of Logic, Language and Information*, 19(1), pp. 89-121.
29. Herzig, A., de Lima, T., Lorini, E. (2009). On the dynamics of institutional agreements. *Synthese*, 171(2), pp. 321-355.
30. Lorini, E., Longin, D., Gaudou, B., Herzig, A. (2009). The logic of acceptance: grounding institutions on agents' attitudes. *Journal of Logic and Computation*, 19(6), pp. 901-940.
31. Lorini, E., Herzig, A. (2008). A logic of intention and attempt. *Synthese*, 163(1), pp. 45-77.
32. Lorini, E., Castelfranchi, C. (2007). The cognitive structure of surprise: looking for basic principles. *Topoi: An International Review of Philosophy*, 26(1), pp. 133-149.
33. Lorini, E., Castelfranchi, C. (2006). The unexpected aspects of surprise. *International Journal of Pattern Recognition and Artificial Intelligence*, 20 (6), pp. 817-833.

- **Books**

1. Lorini, E. (in preparation). *Logics for multi-agent systems*. Series SpringerBriefs, Springer.

- **Edited special issues**

1. Herzig, A., Lorini, E., Pearce, D. (forthcoming). Special issue on Social Intelligence. *AI & Society*.²
2. Boissier, O., Bonnet, G., Lorini, E. (2018). Special issue on “Éthique et Intelligence Artificielle”. *Revue d'Intelligence Artificielle*, 32(4).
3. Lorini, E., Perrussel, L., Mühlenbernd, R. (2016). Special issue on Information Dynamics in Artificial Societies. *Journal of Logic, Language and Information*, 25(3-4).
4. Herzig, A., Lorini, E. (2011). Special issue on Logical Methods for Social Concepts. *Journal of Philosophical Logic*, 40(4).
5. Lorini, E., Vieu, L. (2011). Special issue on Theories of Information Dynamics and Interaction and their Application to Dialogue. *Synthese*, 183(1).

²Available at <https://link.springer.com/article/10.1007/s00146-017-0782-8>.

- **Edited books and conference proceedings**

1. Herzig, A., Lorini, E. (2015). *The cognitive foundations of group attitudes and social interaction*. Series “Studies in the Philosophy of Sociality”, Springer.
2. Herzig, A., Lorini, E. (2014). *Proceedings of the European Conference on Social Intelligence (ECISI-2014)*. CEUR Workshop Proceedings 1283, CEUR-WS.org 2014.
3. Lorini, E. (2013). *Proceedings of the Eleventh European Workshop on Multi-Agent Systems (EUMAS 2013)*. CEUR Workshop Proceedings 1113, CEUR-WS.org 2013.

- **Book chapters**

1. Lorini, E. (2018). Norms in action: a logical perspective. In G. Bongiovanni, C. Valentini, G. J. Postema, G. Sartor, D. Walton (Eds.), *Handbook of Legal Reasoning and Argumentation*, Springer, pp. 77-101.
2. Herzig, A., Lorini, E., Maffre, F. (2018). Possible worlds semantics based on observation and communication. In H. van Ditmarsch, G. Sandu (Eds.), *Jaakko Hintikka on knowledge and game theoretical semantics*, Outstanding Contributions to Logic, Springer, pp. 339-362.
3. Herzig, A., Lorini, E., Troquard, N. (2018). Action theories. In S. O. Hansson, V. F. Hendricks (Eds.), *Introduction to Formal Philosophy*, Springer, pp. 591-607.
4. Gaudou, B., Herzig, A., Longin, D., Lorini, E. (2015). On modal logics of group belief. In A. Herzig, E. Lorini (Eds.), *The cognitive foundations of group attitudes and social interaction*, series “Studies in the Philosophy of Sociality”, Springer, pp. 75-106.
5. Ben-Naïm, J., Longin, D., Lorini, E. (2014). Formalisation de systèmes d’agent cognitif, de la confiance, et des émotions. In P. Marquis, O. Papini, H. Prade (Eds.), *Panorama actuel de l’IA: ses bases méthodologiques et ses développements*, Cépaduès, Toulouse.
6. Andreas Herzig, Emiliano Lorini (2014). A modal logic of perceptual belief. In F. Lihoreau, M. Rebuschi (Eds.), *Epistemology, Context and Formalism*, Springer, Synthese Library, Volume 369, pp. 197-211.
7. Lorini, E., Herzig, A. (2014). Direct and indirect common belief. In A. Konzelmann Ziv, H. B. Schmid, U. Schmid (Eds.), *Institutions, Emotions, and Group Agents*, Springer book series “Studies in the Philosophy of Sociality”, Springer, Volume 2, pp. 355-372.
8. Herzig, A., de Lima, T., Lorini, E., Troquard, N. (2014). Three traditions in the logic of action: bringing them together. In R.

- Trypuz (Eds.), *Krister Segerberg on Logic of Actions*, Studia Logica book series “Trends in Logic”, subseries “Outstanding contributions”, Springer, Volume 1, pp. 61-84.
9. Ben-Naïm, J., Bonnefon, J.-F., Herzig, A., Leblois, S., Lorini, E. (2013). Computer-mediated trust in self-interested expert recommendations. In S. Cowley, F. Vallee-Tourangeau (Eds.), *Cognition beyond the brain - Interactivity and human thinking*, Springer, pp. 53-70.
 10. Broersen, J., Gabbay, D., Herzig, A., Lorini, E., Meyer, J.-J., Parent, X., van der Torre, L. (2013). Deontic logic. In S. Ossowski (Eds.), *Agreement Technologies*, Springer, pp. 108-127.
 11. Lorini, E. (2013). Modal logic and intentional agency. In B. Kaldis (Eds.), *The Encyclopedia of Philosophy and the Social Sciences*, SAGE Publications, pp. 621-623.
 12. Lorini, E. (2013). Mutual beliefs. In B. Kaldis (Eds.), *The Encyclopedia of Philosophy and the Social Sciences*, SAGE Publications, pp. 640-642.
 13. Lorini, E. (2012). The cognitive anatomy and functions of expectations revisited. In F. Paglieri, L. Tummolini, R. Falcone, M. Miceli (Eds.), *The Goals of Cognition. Essays in Honor of Cristiano Castelfranchi*, College Publications, pp. 273-288.
 14. Herzig, A., Lorini, E., Moisan, F. (2012). A simple logic of trust based on propositional assignments. In F. Paglieri, L. Tummolini, R. Falcone, M. Miceli (Eds.), *The Goals of Cognition. Essays in Honor of Cristiano Castelfranchi*, College Publications, pp. 407-419.
 15. Adam, C., Gaudou, B., Longin, D., Lorini, E. (2011). Logical modeling of emotions for ambient intelligence. In F. Mastrogiovanni, N.-Y. Chong (Eds.), *Handbook of Research on Ambient Intelligence and Smart Environments: Trends and Perspectives*, IGI Publishing, New York, pp. 108-127.
 16. Macedo, L., Cardoso, A., Reisenzein, R., Lorini, E., Castelfranchi, C. (2009). Artificial surprise. In J. Vallverdú, D. Casacuberta (Eds.), *Handbook of Research on Synthetic Emotions and Sociable Robotics*, IGI Publishing, New York, pp. 261-285.
 17. Lorini, E., Castelfranchi, C. (2009). Intentional agents in defense. In M. Barley, H. Mouratidis, A. Unruh, D. Spears, F. Martinelli, P. Scerri (Eds.), *Safety and Security in Multi-Agent Systems: the Early Years*, Lecture Notes in Computer Science, vol. 4324, Springer-Verlag, Berlin, pp. 293-307.
 18. Castelfranchi, C., Falcone, R., Lorini, E. (2008). A non-reductionist approach to trust. In J. Golbeck (Eds.), *Computing with Social Trust*, Human-Computer Interaction Series, Springer, Berlin, pp. 45-72.

19. Lorini, E., Piunti, M., Castelfranchi, C., Falcone, R., Miceli, M. (2008). Anticipation and emotions for goal-directed agents. In G. Pezzulo, M. Butz, R. Falcone, C. Castelfranchi, *The Challenge of Anticipation*, Lecture Notes in Computer Science, vol. 5225, Springer-Verlag, Berlin, pp. 135-160.
20. Castelfranchi, C., Giardini, F., Lorini, E., Tummolini, L. (2007). The prescriptive destiny of predictive attitudes: from expectations to norms via conventions. In G. Sartor, C. Cevenini, G. Quadri di Cardano (Eds.), *Agenti software e commercio elettronico: profili giuridici, tecnologici e psico-sociali*, GEDIT, Bologna, Italy, pp. 43-55.
21. Lorini, E., Marzo, F., Castelfranchi, C. (2005). A cognitive model of the altruistic mind. In B. Kokinov (Eds.), *Advances in Cognitive Economics*, NBU Press, Sofia, Bulgaria, pp. 282-294.

• **Conferences and workshops with published proceedings**

1. Lorini, E. (2019). Reasoning about Cognitive Attitudes in a Qualitative Setting. *Proceedings of the 16th European Conference on Logistics in Artificial Intelligence (JELIA 2019)*, LNCS, Springer-Verlag, forthcoming.
2. Lorini, E., Romero, F. (2019). Decision Procedures for Epistemic Logic Exploiting Belief Bases. *Proceedings of the Eighteenth International Conference on Autonomous Agents and MultiAgent Systems (AAMAS 2019)*, ACM, forthcoming.
3. Novaro, A., Grandi, U., Longin, D., Lorini, E. (2019). Strategic Majoritarian Voting with Propositional Goals. *Proceedings of the Eighteenth International Conference on Autonomous Agents and MultiAgent Systems (AAMAS 2019)*, ACM, forthcoming.
4. Armgardt, M., Lorini, E., Sartor, G. (2018). Reasoning about conditions in STIT logic. *Proceedings of the 14th International Conference on Deontic Logic and Normative Systems (DEON 2018)*, College Publications, pp. 15-32.
5. Novaro, A., Grandi, G., Longin, D., Lorini, E. (2018). Goal-based collective decisions: axiomatics and computational complexity. *Proceedings of the Twenty-Seventh International Joint Conference on Artificial Intelligence (IJCAI 2018)*, pp. 468-474.
6. Boudou, J., Lorini, E. (2018). Concurrent game structures for temporal STIT logic. *Proceedings of the Seventeenth International Conference on Autonomous Agents and MultiAgent Systems (AAMAS 2018)*, ACM Press, pp. 381-389.
7. Novaro, A., Grandi, G., Longin, D., Lorini, E. (2018). From individual goals to collective decisions. *Proceedings of the Seventeenth International Conference on Autonomous Agents and MultiAgent Systems (AAMAS 2018)*, ACM Press, pp. 2028-2030.

8. Lorini, E. (2018). In praise of belief bases: doing epistemic logic without possible worlds. *Proceedings of the Thirty-Second AAAI Conference on Artificial Intelligence (AAAI-18)*, AAAI press, pp. 1915-1922.
9. Liu, F., Lorini, E. (2017). Reasoning about belief, evidence and trust in a multi-agent setting. *Proceedings of the 20th International Conference on Principles and Practice of Multi-Agent Systems (PRIMA 2017)*, LNCS, Springer-Verlag, pp. 71-89.
10. Dastani, M., Lorini, E., Meyer, J.-J., Pankov, A. (2017). Other-condemning anger = blaming accountable agents for frustrated intentions. *Proceedings of the 20th International Conference on Principles and Practice of Multi-Agent Systems (PRIMA 2017)*, LNCS, Springer-Verlag, pp. 15-33.
11. Belardinelli, F., Grandi, U., Herzig, A., Longin, D., Lorini, E., Novaro, A., Perrussel, L. (2017). Relaxing exclusive control in Boolean games. *Proceedings of the Sixteenth Conference on Theoretical Aspects of Rationality and Knowledge (TARK 2017)*, pp. 43-56.
12. Grossi, D., Lorini, E., Schwarzenruber, F. (2017). The ceteris paribus structure of logics of game forms (Extended Abstract). *Proceedings of the Twenty-Sixth International Joint Conference on Artificial Intelligence (IJCAI 2017)*, pp. 5000-5004.
13. Lorini, E., Schwarzenruber, F. (2017). A path in the jungle of logics for multi-agent systems: on the relation between general game-playing logics and seeing-to-it-that logics. *Proceedings of the Sixteenth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2017)*, ACM press, pp. 687-695.
14. Balbiani, P., Fernández-Duque, D., Lorini, E. (2017). Exploring the bidimensional space: a dynamic logic point of view. *Proceedings of the Sixteenth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2017)*, ACM press, pp. 132-140.
15. Grandi, U., Lorini, E., Novaro, A., Perrussel, L. (2017). Strategic disclosure of opinions on a social network. *Proceedings of the Sixteenth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2017)*, ACM press, pp. 1196-1204.
16. Boudou, J., Lorini, E. (2016). Decidability and expressivity of Ockhamist propositional dynamic logics. *Proceedings of the 15th European Conference On Logics In Artificial Intelligence (JELIA 2016)*, LNCS, Springer-Verlag, pp. 144-158.
17. Herzig, A., Lorini, E., Maffre, F., Schwarzenruber, F. (2016). Epistemic Boolean games based on a logic of visibility and control. *Proceedings of the 25th International Joint Conference on Artificial Intelligence (IJCAI'16)*, AAAI press, pp. 1116-1122.

18. Charrier, T., Herzig, A., Lorini, E., Maffre, F., Schwarzentruher, F. (2016). Building epistemic logic from observations and public announcements. *Proceedings of the Fifteenth International Conference on Principles of Knowledge Representation and Reasoning (KR 2016)*, AAAI press, pp. 268-277.
19. Liu, F., Lorini, E. (2016). Reasons to believe in a social environment. *Proceedings of the 13th International Conference on Deontic Logic and Normative Systems (DEON 2016)*, College Publications, pp. 155-170.
20. Balbiani, P., Fernández-Duque, D., Lorini, E. (2016). A logical theory of belief dynamics for resource-bounded agents. *Proceedings of the Fifteenth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2016)*, ACM press, pp. 644-652.
21. Grandi, U., Lorini, E., Perrussel, L. (2016). Strategic disclosure of opinions on a social network. *Proceedings of the Fifteenth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2016)*, ACM press, pp. 1391-1392.
22. Dubois, D., Lorini, E., Prade, H. (2016). A possibility theory-based approach to desire change. *Proceedings of the International Workshop on Defeasible and Ampliative Reasoning (DARe 2016)*, CEUR Workshop Proceedings.
23. Lorini, E., Sartor, G. (2015). Influence and responsibility: a logical analysis. In *Proceedings of the Twenty-Eighth Annual Conference on Legal Knowledge and Information Systems (JURIX 2015)*, Frontiers in Artificial Intelligence and Applications 279, IOS Press, pp. 51-60.
24. Lorini, E., Muehlenbernd, R. (2015). The long-term benefits of following fairness norms: a game-theoretic analysis. In *Proceedings of the 18th Conference on Principles and Practice of Multi-Agent Systems (PRIMA 2015)*, LNCS, Springer-Verlag, Berlin, pp. 301-318.
25. Herzig, A., Lorini, E., Maffre, F. (2015). A poor man's epistemic logic based on assignment and higher-order propositional observation. In *Proceedings of the LORI-V Workshop on Logic, Rationality and Interaction*, LNCS, Springer-Verlag, Berlin, pp. 156-168.
26. Dubois, D., Lorini, E., Prade, H. (2015). Revising desires: a possibility theory viewpoint. *Proceedings of the 11th International Conference on Flexible Query Answering Systems (FQAS 2015)*, Advances in Intelligent Systems and Computing, Volume 400, Springer, pp. 3-13.
27. Grandi, U., Lorini, E., Perrussel, L. (2015). Propositional opinion diffusion. In *Proceedings of the Fourteenth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2015)*, ACM press, pp. 989-997.

28. Lorini, E., Jiang, G., Perrussel, L. (2014). Trust-based belief change. In *Proceedings of the 21st European Conference on Artificial Intelligence (ECAI 2014)*, IOS press, pp. 549–554.
29. Lorini, E., Sartor, G. (2014). A STIT logic analysis of social influence. In *Proceedings of the Thirteenth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2014)*, ACM press, pp. 853-860.
30. Ben-Naim, J., Lorini, E. (2014). Evaluating power of agents from dependence relations in Boolean games. In *Proceedings of the Thirteenth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2014)*, ACM press, pp. 885-892.
31. Dubois, D., Lorini, E., Prade, H. (2014). Nonmonotonic desires: a possibility theory viewpoint. In *Proceedings of the International Workshop on Defeasible and Ampliative Reasoning (DARe@ECAI 2014)*, CEUR Workshop Proceedings, Vol. 1212.
32. Adam, C., Lorini, L. (2014). A BDI emotional reasoning engine for an artificial companion. In *Proceedings of the Workshop on Agents and multi-agent Systems for AAL and e-HEALTH (PAAMS 2014)*, Springer, CCIS Series, pp. 66-78.
33. Herzig, A., Lorini, E., Walther, D. (2013). Reasoning about actions meets strategic logics. In *Proceedings of the LORI-IV Workshop on Logic, Rationality and Interaction*, Lecture Notes in Artificial Intelligence, vol. 8196, Springer-Verlag, Berlin, pp. 162-175.
34. van Ditmarsch, H., Herzig, A., Lorini, E., Schwarzentruber, F. (2013). Listen to me! Public announcements to agents that pay attention - or not. In *Proceedings of the LORI-IV Workshop on Logic, Rationality and Interaction*, Lecture Notes in Artificial Intelligence, vol. 8196, Springer-Verlag, Berlin, pp. 96-109.
35. Dubois, D., Lorini, E., Prade, H. (2013). Bipolar possibility theory as a basis for a logic of desires and beliefs. In *Proceedings of the International Conference on Scalable Uncertainty Management (SUM 2013)*, Lecture Notes in Computer Science, Springer-Verlag, pp. 204-218.
36. Balbiani, P., Lorini, E. (2013). Ockhamist propositional dynamic logic: a natural link between PDL and CTL*. In *Proceedings of the 20th International Workshop on Logic, Language, Information and Computation (WOLLIC 2013)*, Lecture Notes in Computer Science, Springer-Verlag, pp. 251-265.
37. Gaudou, B., Lorini, E., Mayor, E. (2013). Moral guilt: an agent-based model analysis. In *Proceedings of the 9th Conference of the European Social Simulation Association (ESSA 2013)*, Series “Advances in Social Simulation-Advances in Intelligent Systems and Computing”, Vol. 229, Springer, pp. 95-106.

38. Grossi, D., Lorini, E., Schwarzenrüber, F. (2013). Ceteris paribus structure in logics of game forms. In B. C. Schipper (Eds.), *Proceedings of the International Conference on Theoretical Aspects of Rationality and Knowledge (TARK 2013)*, University of California, p. 94-104 (ISBN: 978-0-615-74716-3).
39. Lorini, E. (2012). Logics for reasoning about agents' attitudes in strategic contexts. In *Proceedings of the Thirteenth International Workshop on Computational Logic in Multi-Agent Systems (CLIMA 2012)*, Lecture Notes in Artificial Intelligence, vol. 7486, Springer-Verlag, Berlin, pp. 26.
40. Lorini, E. (2012). On the logical foundations of moral agency. In *Proceedings of the Eleventh International Conference on Deontic Logic in Computer Science (DEON 2012)*, Lecture Notes in Computer Science, vol. 7393, Springer-Verlag, Berlin, pp. 108-122.
41. Herzig, A., de Lima, T., Lorini, E., Troquard, N. (2012). A computationally grounded dynamic logic of agency, with an application to legal actions. In *Proceedings of the Eleventh International Conference on Deontic Logic in Computer Science (DEON 2012)*, Lecture Notes in Computer Science, vol. 7393, Springer-Verlag, Berlin, pp. 170-183.
42. Dastani, M., Lorini, E. (2012). A logic of emotions: from appraisal to coping. In *Proceedings of the Eleventh International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2012)*, ACM Press, New York, pp. 1133-1140.
43. Gaudou, B., Herzig, A., Lorini, E., Sibertin-Blanc, C. (2011). How to do social simulation in logic: modelling the segregation game in a dynamic logic of assignments. In *Proceedings of the Twelfth International Workshop on Multi-Agent-Based Simulation (MABS 2011), Revised Selected Papers*, Lecture Notes in Artificial Intelligence, vol. 7124, Springer-Verlag, Berlin, pp. 1-12.
44. Riviere, J., Adam, C., Pesty, S., Pelachaud, C., Guiraud, N., Longin, D., Lorini, E. (2011). Expressive multimodal conversational acts for SAIBA agents. In *Proceedings of the Eleventh International Conference on Intelligent Virtual Agents (IVA 2011)*, Lecture Notes in Computer Science, vol. 6895, Springer-Verlag, Berlin, pp. 316-323.
45. Lorini, E. (2011). A dynamic logic of knowledge, graded beliefs and graded goals and its application to emotion modelling. In *Proceedings of the LORI-III Workshop on Logic, Rationality and Interaction*, Lecture Notes in Artificial Intelligence, vol. 6953, Springer-Verlag, Berlin, pp. 165-178.
46. Lorini, E., Perrussel, L., Thévenin, J.-M. (2011). A modal framework for relating belief and signed information. In *Proceedings of the*

- Twelfth International Workshop on Computational Logic in Multi-Agent Systems (CLIMA 2011)*, Lecture Notes in Artificial Intelligence, vol. 6814, Springer-Verlag, Berlin, pp. 58-73.
47. Herzig, A., Lorini, E., Troquard, N. (2011). A dynamic logic of institutional actions. In *Proceedings of the Twelfth International Workshop on Computational Logic in Multi-Agent Systems (CLIMA 2011)*, Lecture Notes in Artificial Intelligence, vol. 6814, Springer-Verlag, Berlin, pp. 228-233.
 48. Herzig, A., Lorini, E., Moisan, F., Troquard, N. (2011). A dynamic logic of normative systems. In *Proceedings of the 22nd International Joint Conference on Artificial Intelligence (IJCAI 2011)*, AAAI Press, pp. 228-233.
 49. Balbiani, P., Guiraud, N., Herzig, A., Lorini, E. (2011). Agents that speak: modelling communicative plans and information sources in a logic of announcements. In *Proceedings of the Tenth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2011)*, ACM Press, New York, pp. 1207-1208.
 50. Guiraud, N., Longin, D., Lorini, E., Pesty, S., Riviere, J. (2011). The face of emotions: a logical formalization of expressive speech acts. In *Proceedings of the Tenth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2011)*, ACM Press, New York, pp. 1031-1038.
 51. Lorini, E., Piunti, M. (2010). Introducing relevance awareness in BDI agents. In *Proceedings of the Seventh International Workshop on Programming Multi-Agent Systems (ProMAS 2009), Revised Invited and Selected Papers*, Lecture Notes in Computer Science, vol. 5919, Springer-Verlag, Berlin, pp. 219-236.
 52. van Ditmarsch, H., de Lima, T., Lorini, E. (2010). Intention change via local assignments. In *Proceedings of the Third International Workshop on Languages, Methodologies, and Development Tools for Multi-Agent Systems (LADS 2010), Revised Invited and Selected Papers*, Lecture Notes in Computer Science, vol. 6822, Springer-Verlag, Berlin, pp. 136-151.
 53. Lorini, E., Verdicchio, M. (2010). Towards a logical model of social agreement for agent societies. In *Proceedings of the 5th international conference on Coordination, Organizations, Institutions, and Norms in Agent Systems (COIN'09), Revised Selected Papers*, Lecture Notes in Computer Science, vol. 6069, Springer-Verlag, Berlin, pp. 147-162.
 54. Lorini, E. (2010). The hidden path from delegation to obligations: a logical analysis. In *Proceedings of the Artificial Intelligence and Social Behavior Society Convention - Second Symposium on Social Networks and Multiagent Systems (AISB - SNAMAS 2010)*, The Society for the Study of Artificial Intelligence and Simulation of Behaviour (SSAISB Press).

55. Lorini, E. (2010). A logical analysis of commitment dynamics. In *Proceedings of the Tenth International Conference on Deontic Logic in Computer Science (DEON 2010)*, Lecture Notes in Artificial Intelligence, vol. 6181, Springer-Verlag, Berlin, pp. 288-305.
56. Lorini, E., de Lima, T., van Ditmarsch, H. (2010). A logical model of intention and plan dynamics. In *Proceedings of the 19th European Conference on Artificial Intelligence (ECAI 2010)*, IOS Press, pp. 1075-1076.
57. Bourdon, J., Fueled, G., Herzig, A., Lorini, E. (2010). Trust in complex actions. In *Proceedings of the 19th European Conference on Artificial Intelligence (ECAI 2010)*, IOS Press, pp. 1037-1038.
58. Lorini, E., Schwarzenruber, F., Herzig, A. (2009). Epistemic games in modal logic: joint actions, knowledge and preferences all together. In X. He, J. Horty, E. Pacuit (Eds.), *Proceedings of the LORI-II Workshop on Logic, Rationality and Interaction*, Lecture Notes in Artificial Intelligence, Springer-Verlag, Berlin, pp. 212-226.
59. Aucher, G., Grossi, D., Herzig, A., Lorini, E. (2009). Dynamic context logic. In X. He, J. Horty, E. Pacuit (Eds.), *Proceedings of the LORI-II Workshop on Logic, Rationality and Interaction*, Lecture Notes in Artificial Intelligence, Springer-Verlag, Berlin, pp. 15-26.
60. Lorini, E., Dastani, M., van Ditmarsch, H., Herzig, A. (2009). Intentions and assignments. In X. He, J. Horty, E. Pacuit (Eds.), *Proceedings of the LORI-II Workshop on Logic, Rationality and Interaction*, Lecture Notes in Artificial Intelligence, Springer-Verlag, Berlin, pp. 198-211.
61. de Boer, M., Herzig, A., de Lima, T., Lorini, E. (2009). Tableaux for acceptance logic. In M. Baldoni, J. Bentahar, J. Lloyd, M. B. van Riemsdijk, *Declarative Agent Languages and Technologies VII (DALT 2009)*, Lecture Notes in Artificial Intelligence, Springer-Verlag, Berlin, pp. 85-100.
62. Lorini, E., Demolombe, R. (2009). From trust in information sources to trust in communication systems: an analysis in modal logic. In J. Broersen, J.-J. Meyer (Eds.), *Proceedings of the First International Workshop on Knowledge Representation for Agents and Multi-agent Systems (KRAMAS 2008), Revised Selected Papers*, Lecture Notes in Artificial Intelligence, Springer-Verlag, Berlin, pp. 81-98.
63. Herzig, A., de Lima, T., Lorini, E. (2009). On the dynamics of institutional agreements. In J. Broersen, J.-J. Meyer (Eds.), *Proceedings of the First International Workshop on Knowledge Representation for Agents and Multi-agent Systems (KRAMAS 2008), Revised Selected Papers*, Lecture Notes in Artificial Intelligence, Springer-Verlag, Berlin, pp. 66-80.
64. Lorini, E., Falcone, R., Castelfranchi, C. (2009). Trust within the context of organizations: a formal approach. In P. Degano, J. Guttman,

- F. Martinelli (Eds.), *Proceedings of the Fifth International Workshop on Formal Aspects in Security and Trust (FAST 2008)*, *Revised Selected Papers*, Lecture Notes in Computer Science, vol. 5491, Springer-Verlag, Berlin, pp. 114-128.
65. Lorini, E., Longin, D., Gaudou, B. (2009). Anchoring the institutional dimension of speech acts in agents' attitudes: a logical approach. In *Proceedings of the IEEE International Conference on Research, Innovation and Vision for the Future (RIVF 2009)*, IEEE Press.
 66. Lorini, E., Schwarzentruher, F. (2009). A logic for reasoning about counterfactual emotions. In C. Boutilier (Eds.), *Proceedings of the Twenty-first International Joint Conference on Artificial Intelligence (IJCAI'09)*, AAAI Press, pp. 867-872.
 67. Lorini, E., Longin, D. (2008). A logical account of institutions: from acceptances to norms via legislators. In G. Brewka, J. Lang (Eds.), *Proceedings of the 11th International Conference on Principles of Knowledge Representation and Reasoning (KR 2008)*, AAAI Press, pp. 38-48.
 68. Lorini, E., Demolombe, R. (2008). Trust and norms in the context of computer security: toward a logical formalization. In R. van der Meyden, L. van der Torre, *Proceedings of the Ninth International Conference on Deontic Logic in Computer Science (DEON 2008)*, Lecture Notes in Computer Science, vol. 5076, Springer-Verlag, Berlin, pp. 50-64.
 69. Lorini, E., Demolombe, R. (2008). From binary trust to graded trust in information sources: a logical perspective. In S. Barber, J. Sabater-Mir, M. P. Singh (Eds.), *Proceedings of the Eleventh International Workshop on Trust in Agent Societies (TRUST 2008)*, *Revised Selected Papers*, Lecture Notes in Artificial Intelligence, vol. 5396, Springer-Verlag, Berlin, pp. 205-225.
 70. Gaudou, B., Longin, D., Lorini, E., Tummolini, L. (2008). Anchoring institutions in agents' attitudes: towards a logical framework for autonomous MAS. In S. Parsons, J. P. Mueller (Eds.), *Proceedings of the Seventh International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2008)*, ACM Press, New York, pp. 728-735.
 71. Herzig, A., Lorini, E., Hübner, J. F., Ben-Naim, J., Boissier, O., Castelfranchi, C., Demolombe, R., Longin, D., Perrussel, L. (2008). Prolegomena for a logic of trust and reputation. In G. Boella, G. Pigozzi, M. P. Singh, H. Verhagen (Eds.), *Proceedings of the Third International Workshop on Normative Multiagent Systems (NorMAS 2008)*, University of Luxembourg Press, Luxembourg, pp. 143-157 (ISBN: 2919940481).

72. Trypuz, R., Lorini, E., Vieu, L. (2007). Solving Bratman’s video game puzzle in two formalisms. In X. Arrazola, J. M. Larrazabal (Eds.), *Proceedings of ILLI International Workshop on Logic and Philosophy of Knowledge, Communication and Action (LogKCA 2007)*, University of the Basque Country Press, Donostia, pp. 411-426 (ISBN: 9788498600223).
73. Lorini, E., Herzig, A., Broersen, J., Troquard, N. (2007). Grounding power on actions and mental attitudes. In R. Verbrugge, B. Duniz-Keplicz (Eds.), *Proceedings of the Third International Workshop on Formal Approaches to Multi-Agent Systems (FAMAS 2007)*, Durham University Press, Durham, UK, pp. 19-37.
74. Lorini, E., Piunti, M. (2007). The benefits of surprise in dynamic environments. In A. Paiva, R. Prada, R. W. Picard (Eds.), *Proceedings of the Second International Conference on Affective Computing and Intelligent Interaction (ACII 2007)*, Lecture Notes in Computer Science, vol. 4738, Springer-Verlag, Berlin, pp. 362-373.
75. Lorini, E., Troquard, N., Herzig, A., Castelfranchi, C. (2007). Delegation and mental states. In E. H. Durfee, M. Yokoo (Eds.), *Proceedings of the Sixth International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS 2007)*, ACM Press, New York, pp. 610-612.
76. Lorini, E., Herzig, A., Castelfranchi, C. (2006). Introducing “attempt” in a modal logic of intentional action. In M. Fisher, W. van der Hoek (Eds.), *Proceedings of the 10th European Conference on Logics in AI (JELIA 2006)*, Lecture Notes in Artificial Intelligence, vol. 4160, Springer-Verlag, Berlin, pp. 280-292.
77. Lorini, E., Falcone, R. (2005). Modeling expectations in cognitive agents. In C. Castelfranchi, C. Balkenius, M. Butz, A. Ortony (Eds.), *Proceedings of AAAI 2005 Fall Symposium-From Reactive to Anticipatory Cognitive Embodied Systems*, AAAI Press, Menlo Park, pp. 114-121.
78. Lorini, E., Tummolini, L., Herzig, A. (2005). Establishing mutual beliefs by joint attention: towards a formal model of public events. In B. Bara, L. Barsalou, M. Bucciarelli (Eds.), *Proceedings of the 27th Annual Conference of the Cognitive Science Society (CogSci 2005)*, Lawrence Erlbaum Associates, Mahwah, NJ, pp. 1325-1330.
79. Pezzulo, G., Lorini, E., Calvi, G. (2004). How do I know how much I don’t know? A cognitive approach about uncertainty and ignorance. In K. D. Forbus, D. Gentner, T. Regier (Eds.), *Proceedings of the 26th Annual Meeting of the Cognitive Science Society (CogSci 2004)*, Lawrence Erlbaum Associates, Mahwah, NJ, pp. 1095-1100.
80. Castelfranchi, C., Giardini, F., Lorini, E., Tummolini, L. (2003). The prescriptive destiny of predictive attitudes: from expectations

to norms via conventions. In R. Alterman, D. Kirsh (Eds.), *Proceedings of the 25th Annual Conference of the Cognitive Science Society (CogSci 2003)*, Lawrence Erlbaum Associates, Mahwah, NJ, pp. 222-227.

81. Castelfranchi, C., Lorini, E. (2003). Cognitive anatomy and functions of expectations. In F. Schmalhofer, R. M. Young, G. Katz (Eds.), *Proceedings of the First European Cognitive Science Conference (EuroCogSci 2003)*, Lawrence Erlbaum Associates, Mahwah, NJ, pp. 377-379.

• **Conferences and workshops with unpublished proceedings**

1. Lorini, E. (2018). In praise of belief bases: doing epistemic logic without possible worlds (Extended Version). In *Thirteenth Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2018)*, Milan, 16-18 July 2018.
2. E. Lorini, F. Romero, R. Alami, A. Clodic (2018). Modelling epistemic states in human-robot interaction: a logical approach. In *International Workshop "Towards a Framework for Joint Action: What About a Theory of Mind?"*, Robotics: Science and Systems Conference 2018 (RSS 2018), Carnegie Mellon University, Pittsburgh, 26-30 June 2018.
3. Balbiani, P., Fernandez-Duque, D., Lorini, E. (2016). A logical theory of belief dynamics for resource-bounded agents. In *Twelfth Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2016)*, Maastricht, 20-22 July 2016.
4. Grandi, U., Lorini, E., Perrussel, L. (2016). Strategic disclosure of opinions on a social network. In *4th International Workshop on Strategic Reasoning (SR 2016)*, New York, 10 July 2016.
5. Lorini, E. (2014). A minimal logic for interactive epistemology. In *Eleventh Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2014)*, Bergen, 27-30 July 2014.
6. Galeazzi, P., Lorini, E. (2014). Epistemic logic meets epistemic game theory: a comparison between multi-agent Kripke models and type spaces. In *Eleventh Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2014)*, Bergen, 27-30 July 2014.
7. Herzig, H., Lorini, E., Maffre, F., Walther, D. (2014). Alternating-time temporal logic with explicit programs. In *7th Workshop on Logical Aspects of Multi-Agent Systems (LAMAS 2014)*, Paris, 5 May 2012.
8. Lorini, E., Ciuni, R. (2014). Comparing semantics for temporal STIT logic. In *7th Workshop on Logical Aspects of Multi-Agent Systems (LAMAS 2014)*, Paris, 5 May 2012.

9. Lorini, E., Moisan, F. (2012). When the group matters: a game-theoretic analysis of team reasoning and social ties. In *International Conference on Game Theory*, Stony Brook, New York, 8-12 July 2013.
10. Attanasi, G., Hopfensitz, A., Lorini, E., Moisan, F. (2013). The behavioral effects of social ties: an experimental study. In *International Conference on Game Theory*, Stony Brook, New York, 8-12 July 2013.
11. Lorini, E., Prade, H. (2012). Strong possibility and weak necessity as a basis for a logic of desire. In *International workshop on Weighted Logics for AI: Reasoning about uncertain beliefs, preferences, partial truth and other graded notions (WL4AI)*, Montpellier, 28 August 2012.
12. Lorini, E. (2012). Varieties of belief in strategic interaction. In *10th International Conference on Logic and the Foundations of Game and Decision Theory (LOFT 2012)*, Sevilla, 18-20 June 2012.
13. Lorini, E., (2012). Ockhamist propositional dynamic logic and its application to norm modelling: a preliminary study. In *5th Workshop on Logical Aspects of Multi-Agent Systems (LAMAS 2012)*, Valencia, 5 June 2012.
14. Attanasi, G., Hopfensitz, A., Lorini, E., Moisan, F. (2012). The effects of social ties on coordination: conceptual foundations for an empirical analysis. In *Symposium on Social Computing, Social Cognition, Social Networks and Multiagent Systems (SOCIAL TURN - SNAMAS at AISB/IACAP2012)*, Birmingham, 2-3 July 2012.
15. Lorini, E. (2011). Qualitative and quantitative aspects of expectation-based emotions: a logical approach. In *First International Workshop on Standards in Emotion Modeling (SEM 2011)*, Leiden, 15-19 August 2011.
16. Gaudou, B., Herzig, A., Lorini, E., Sibertin-Blanc, C. (2011). Comment faire des simulations sociales en logique: formalisation du modèle de ségrégation In une logique dynamique des affectations. In *Sixièmes Journées Francophones sur les Modèles Formels de l'Interaction (MFI'11)*, Rouen, France, 22-24 June 2011.
17. Lorini, E., Verdicchio, M. (2010). A game-theoretic analysis of social commitment. In *Second International Conference of the European Network on Social Ontology (ENSO 2011)*, Rome, 21-23 September 2011.
18. Guiraud, N., Herzig, A., Lorini, E. (2009). Speech acts as announcements. In *Second international workshop on Logic and the Simulation of Interaction and Reasoning (LSIR2)*, Pasadena (USA), 12 July 2009.

19. Longin, D., Lorini, E., Nguyen, M.-H. (2009). Delegation as a communicative act: a logical analysis. In K. Stathis, V. T. da Silva, E. Matson *Eight International Workshop on Coordination, Organizations, Institutions, and Norms in Agent Systems (COIN@IJCAI09)*, Pasadena, USA, 11-13 July 2009.
20. Hübner, J. F., Lorini, E., Herzig, A., Vercoouter, L. (2009). From cognitive trust theories to computational trust. In *12th International Workshop on Trust in Agent Societies (TRUST 2009)*, Budapest, Hungary, 11-12 May 2009.
21. Herzig, A., Lorini, E. (2008). Static and dynamic aspects of knowledge about powers. In *Prague Colloquium 'Logic of Change, change of logic' (LOCCOL)*, Prague, 10-14 September 2008.
22. Herzig, A., Lorini, E. (2008). Logics of context for multi-agent systems. In *Context and Ontologies (C&O 2008)*, Patras, Greece, 21 July 2008.
23. Lorini, E., Castelfranchi, C. (2006). Surprise-driven cognitive belief revision. In *Second Biennial Conference on Cognitive Science*, St. Petersburg, 9-13 June 2006.
24. Herzig, A., Lorini, E., Troquard, N., Trypuz, R. (2006). The hidden faces of intention: using STIT to discover them. In *Studia Logica International Conference, Towards Mathematical Philosophy, Trends in Logic IV*, Torun, Poland, 1-4 September 2006.
25. Lorini, E., Castelfranchi, C. (2004). Towards an expectation-based theory of defense. In *First International Workshop on Safety and Security in Multi-agent systems (SASEMAS'04)*, New York, 20 July 2004.
26. Lorini, E., Castelfranchi, C. (2004). The role of epistemic actions in expectations. In *Second Workshop of Anticipatory Behavior in Adaptive Learning Systems 2004 (ABIALS 2004)*, Los Angeles, 17 July 2004.
27. Castelfranchi, C., Lorini, E. (2003). Cognitive anatomy and functions of expectations. In *IJCAI'03 Workshop on Cognitive modelling of Agents and Multi-Agent Interactions*, Acapulco, Mexico, 9 August 2003.