

Paolo Traverso – publication list (updated December 2022)

Text Books

1. M. Ghallab, D. Nau, P. Traverso. *AUTOMATED PLANNING AND ACTING*. Cambridge University Press, August 2016. ISBN: 9781107037274.
2. M. Ghallab, D.S. Nau, P. Traverso: *AUTOMATED PLANNING - THEORY AND PRACTICE*. Elsevier 2004, ISBN-13: 978-1-55860-856-6, ISBN-10: 1-55860-856-7, pp. I-XXVIII, 1-635. Chinese translation by Yunfei Jiang at Zhongshan. University in Guangzhou, China.

Book Chapters

3. Fosca Giannotti, Stefano Merler, Dino Pedreschi, Paolo Traverso: *I.A. e i big data sanitari – rilevazione degli esordi e diffusione dell'epidemia*. In A. Pajno and L. Violante (eds), "BIOPOLITICA, PANDEMIA E DEMOCRAZIA, Rule of law nella società digitale– Vol. III". Il Mulino, ISBN 9788815292797, 2021.
4. A. Dengel, O. Etzioni, N. DeCario, H. Hoos, Fei-Fei Li, J. Tsujii, P. Traverso. *Next big challenges in core AI technology*. In B. Braunschweig and M. Ghallab (eds.), *Reflections on Artificial Intelligence for Humanity*. Springer, LNCS 12600, pp 90-115, 2021.
5. S. Battisti, E. Giugliani, R. Prikadnicki, P. Traverso. *Entrepreneurial actions towards the success of esponential technologies*. In J.J. Ferreira, A. Fayolle, V. Ratten, M. Raposo (eds.), *Entrepreneurial Universities – Collaboration, Education and Policies*. Edwrđ Elgar Publishing, 2018, pp. 248-262.
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9. P. Traverso, *Planning Under Uncertainty and Its Applications*. In Oliviero Stock, Marco Schaerf (eds.), *Reasoning, Action and Interaction in AI Theories and Systems. Essays Dedicated to Luigia Carlucci Aiello*, (Lecture Notes in Computer Science - Lecture Notes in Artificial Intelligence), Springer, 2006, pp. 213-228
10. P. Traverso, *The Problem of Planning with Three Sources of Uncertainty*. In G. Della Riccia, D. Dubois, R. Kruse, H.J. Lenz (eds.), *Planning Based on Decision Theory*, (CISM International Centre for Mechanical Sciences), Springer, 2003
11. P. Bertoli, P. Traverso, *Design Verification of a Safety-Critical Embedded Verifier*. In M. Kaufmann, Mandios Panagiotis, J. Strother Moore (eds.), *Computer-Aided Reasoning: ACL2 Case Studies*, Kluwer, 2000, pp. 233-245
12. P. Traverso, *Formalizing Complex Reasoning*, *Encyclopedia of Microcomputers*, New York, Marcel Dekker, Inc., 1999, pp. 171-188
13. F. Giunchiglia, P. Traverso, *A System for Multi-Level Mathematical Reasoning*. In J. Johnson, S. McKee, A. Vella (eds.), *Artificial Intelligence in Mathematics*, Oxford, Clarendon Press, 1994, pp. 119-134

Editing of International Conference Proceedings

14. Chiara Ghidini, Bernardo Magnini, Andrea Passerini, Paolo Traverso (eds.), *AI*IA 2018 - Advances in Artificial Intelligence - XVIIth International Conference of the Italian Association for Artificial Intelligence*. Trento, Italy, November 20-23, 2018, Proceedings. Lecture Notes in Computer Science 11298, Springer 2018, ISBN 978-3-030-03839-7
15. Tim A. Majchrzak, Paolo Traverso, Karl-Heinz Krempels, Valérie Monfort (eds.), *Web Information Systems and Technologies - 13th International Conference, WEBIST 2017, Revised Selected Papers*. Porto, Portugal, April 25–27, 2017, Revised Selected Papers. Springer, LNBIP 322, 2018. ISBN 978-3-319-93527-0

16. T.A. Majchrzak, P. Traverso, V. Monfort, K.H. Krempels (eds.), *WEBIST 2016 Proceedings of the 12th International Conference on Web Information Systems and Technologies*. ISBN: 978-989-758-186-1, SCITEPRESS 2016.
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International Journals

27. S. Patra, M. Ghallab, J.M. Mason, D. Nau, P. Traverso, *Deliberative Acting, Online Planning and Learning with Hierarchical Operational Models*. In «ARTIFICIAL INTELLIGENCE», Volume 299, 103523, Elsevier, October 2021.
28. S. Patra, M. Ghallab, D. Nau, P. Traverso, *APE: An Acting and Planning Engine*. In «ADVANCES IN COGNITIVE SYSTEMS», vol. 7, December 2019, pp. 175-194.
29. M. Ghallab, D.S. Nau, P. Traverso, *The actor's view of automated planning and acting: A position paper*. In «ARTIFICIAL INTELLIGENCE», vol. 208, March 2014, pp. 1-17.
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52. L. Lamanna, L. Serafini, M. Faridghasemnia, A. Saffiotti, A. Saetti, A. Gerevini, P. Traverso, *Planning for Learning Object Properties*. In Proceedings of the Thirty-Seventh AAAI Conference on Artificial Intelligence (AAAI-23). Washington DC (USA), February 2023, AAAI Press, 2023.
53. L. Lamanna, L. Serafini, A. Saetti, A. Gerevini and P. Traverso, *Online Grounding of Symbolic Planning Domains in Unknown Environments*. In proceedings KR 2022 - 19th International Conference on Principles of Knowledge Representation and Reasoning, pp. 511-521. Haifa (Israel), July 31-August 5, 2022.
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