

Paolo Traverso – publication list

Text Book

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

Book Chapters

3. M. Pistore, P. Traverso, M. Paolucci, M. Wagner, *From Software Services to a Future Internet of Services*. In G. Tselentis, et al (eds.), *Towards the Future Internet - A European Research perspective*, IOS Press, 2009, pp. 183-192
4. A. Cimatti, M. Pistore, P. Traverso, *Automated Planning*. In F. van Harmelen, V. Lifschitz, B. Porter (eds.), *Handbook of Knowledge Representation*, Elsevier, 2008, pp. 841-867
5. M. Pistore, P. Traverso, *Assumption Based Composition and Monitoring of Web Services*. In L. Baresi, E. DiNitto (eds.), *Test and Analysis of Service-Oriented Systems*, Springer, 2007, pp. 307-338
6. 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
7. 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
8. 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
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10. 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

11. Tim A. Majchrzak, Paolo Traverso, Karl-Heinz Krempels, Valérie Monfort (eds.), *Web Information Systems and Technologies - 13th International Conference, WEBIST 2017*. Porto, Portugal, April 25–27, 2017, Revised Selected Papers. Springer, LNBIIP 322, 2018.
12. 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.
13. E. Di Nitto, A.M. Sassen, P. Traverso, A. Zwegers (eds.), *At Your Service: Service-Oriented Computing from an EU Perspective*, (Cooperative Information Systems), MIT Press, 2009
14. J. Domingue, D. Fensel, P. Traverso (eds.), *Future Internet - FIS 2008, First Future Internet Symposium, FIS 2008, Vienna, Austria, September 29-30, 2008, Revised Selected Papers*, (Lecture Notes in Computer Science), Springer, 2009
15. L. Aroyo, P. Traverso, F. Ciravegna, P. Cimiano, T. Heath, E. Hyvönen, R. Mizoguchi, E. Oren, M. Sabou, E. Paslaru Bontas Simperl (eds.), *The Semantic Web: Research and Applications, 6th European Semantic Web Conference, ESWC 2009*, Springer, 2009

16. D. Dochev, M. Pistore, P. Traverso (eds.), *Artificial Intelligence: Methodology, Systems, and Applications. 13th International Conference, AIMSA 2008, Proceedings*, (LNCS), Springer Verlag, 2008
17. G. Brewka, S. Coradeschi, A. Perini, P. Traverso (eds.), *ECAI 2006 - 17th European Conference on Artificial Intelligence. August 29 - September 1, 2006 - Riva del Garda, Italy. Proceedings*, Amsterdam, IOS Press, 2006
18. B. Benatallah, F. Casati, P. Traverso (eds.), *Service-Oriented Computing – ICSOC 2005. Proceedings of the Third International Conference, Amsterdam, The Netherlands, December 12-15, 2005*, (Lecture Notes in Computer Science), Springer, 2005
19. M. Ghallab, J. Hertzberg, P. Traverso (eds.), *Proceedings of the Sixth International Conference on Artificial Intelligence Planning and Scheduling (AIPS 2002)*, AAAI Press, 2002
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21. D. Hutter, W. Stephan, P. Traverso, M. Ullmann, *Applied Formal Methods - FM-Trends 98*, (Lecture Notes in Computer Science), Springer, 1999
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23. S. Patra, M. Ghallab, D.S. Nau, and P. Traverso, *Using Operational Models to Integrate Acting and Planning*. «ADVANCES IN COGNITIVE SYSTEMS», ISSN 2324-8416, to appear.
24. 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.
25. P. Bertoli, M. Pistore, P. Traverso, *Automated composition of web services via planning in asynchronous domains*. In «ARTIFICIAL INTELLIGENCE», vol. 174, n. 3-4, 2010, pp. 316-361
26. U. Kuter, D.S. Nau, M. Pistore, P. Traverso, *Task decomposition on abstract states, for planning under nondeterminism*. In «ARTIFICIAL INTELLIGENCE», vol. 173, 2009, pp. 669-695
27. A. Marconi, M. Pistore, P. Traverso, *Automated Composition of Web Services: the ASTRO Approach*. In IEEE Data(base) Engineering Bulletin, IEEE, 2008, pp. 23-26
28. M.P. Papazoglou, P. Traverso, S. Dustdar, F. Leymann, *Service-Oriented Computing: State of the Art and Research Challenges*. In «COMPUTER», vol. 40, n. 11, 2007, pp. 38-45
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30. M.P. Papazoglou, P. Traverso, S. Dustdar, F. Leymann, *Service-Oriented Computing: A Research Roadmap*, in «INTERNATIONAL JOURNAL OF COOPERATIVE INFORMATION SYSTEMS», vol. 17, n. 2, 2008, pp. 223-255
31. P. Bertoli, A. Cimatti, M. Roveri, P. Traverso, *Strong Planning under Partial Observability*. In «ARTIFICIAL INTELLIGENCE», vol. 170, n. 4-5, 2006, pp. 337-384
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35. F. Giunchiglia, P. Traverso, *Theorem Proving in Technology Transfer: the user's point of view*. In «INTERNATIONAL JOURNAL ON SOFTWARE TOOLS FOR TECHNOLOGY TRANSFER», vol. 3, n. 1, 2000, pp. 1-12
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38. A. Cimatti, F. Giunchiglia, G. Mongardi, D. Romano, F. Torielli, P. Traverso, *Formal Verification of a Railway Interlocking System Using Model Checking*. In «FORMAL ASPECTS OF COMPUTING», 1998, pp. 361-380
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41. E. Giunchiglia, A. Armando, P. Traverso, A. Cimatti, *Visual Representation of Natural Language Scene Descriptions*. In «IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART A-SYSTEMS AND HUMANS», vol. 26, n. 8, 1996, pp. 279-293
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47. A. Bucchiarone, M. De Sanctis A. Marconi, M. Pistore, P. Traverso, *Incremental Composition for Adaptive by-Design Service Based Systems*. In Proceedings of the 23rd IEEE International Conference on Web Services (IEEE ICWS 2016). San Francisco (USA), July 2016.
48. P. Traverso, *20 Years of Planning via Model Checking: From Theory to Practice*. Keynote/Abstract in Proceedings of the 2nd Workshop on Model checking and Automated Planning (MOCHAP-15), p. 5. Jerusalem (Israel), June 2015.
49. P. Traverso, D.S. Nau, M. Ghallab, *An IPC Track on Deliberative Acting: Moving the competition ahead towards more relevant scientific challenges*. In Proceedings of the Workshop on the International Planning Competition (WIPC-15), pp. 29-34. Jerusalem (Israel), June 2015.
50. M. Gerosa, A. Marconi, M. Pistore, P. Traverso, *An open platform for children's independent mobility*. In Proceedings of the 4th International Conference on Smart Cities, Green Technologies, and Intelligent Transport Systems, SMARTGREENS 2015; Lisbon; Portugal; May 2015, Volume 579, 2015, Pages 50-71.
51. D.S. Nau, M. Ghallab, P. Traverso, *Blended Planning and Acting: Preliminary Approach, Research Challenges*. In Proceedings Twenty-Ninth AAAI Conference on Artificial Intelligence (AAAI-15), vol. 6, p. 4047-4051, ISBN: 978-157735704-9. Austin (Texas, USA), January 2015, AAAI Press.
52. A. Bucchiarone, M. De Sanctis, A. Marconi, M. Pistore, P. Traverso, *Design for Adaptation of Distributed Service-Based Systems*. In: International Conference on Service Oriented Computing (ICSOC). vol. 9435, Springer International Publishing, Goa, India, 16-19/11/2015, doi: 10.1007/978-3-662-48616-0 27
53. A. Bucchiarone, A. Marconi, M. Pistore, P. Traverso, P. Bertoli, R. Kashamiakin, *Domain Objects for Continuous Context-Aware Adaptation of Service-based Systems*. In Proceedings ICWS 2013 – 20th International Conference on Web Services. Santa Clara, CA (USA), 2013, IEEE Press, pp 571-578.
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55. D. Shaparau, M. Pistore, P. Traverso, *Fusing Procedural and Declarative Planning Goals for Nondeterministic Domains*. In Dieter Fox, Carla P. Gomes, AAAI-08, Proceedings of the Twenty-Third AAAI Conference on Artificial Intelligence, AAAI Press, 2008, pp. 983-990 (Chicago, USA) 2008
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61. M. Pistore, L. Spalazzi, P. Traverso, *A Minimalist Approach to Semantic Annotations for Web Processes Compositions*. In York Sure, John Domingue, The Semantic Web: Research and Applications. 3rd European Semantic Web Conference (ESWC 2006), Proceedings, Springer, 2006, pp. 620-634 (The Semantic Web: Research and Applications. 3rd European Semantic Web Conference (ESWC 2006), Proceedings, Budva, Montenegro) 2006
62. A. Marconi, M. Pistore, P. Traverso, *Implicit vs. Explicit Data-Flow Requirements in Web Service Composition Goals*. In Service-Oriented Computing - ICSOC 2006, 4th International Conference, Proceedings, Springer, vol. 4294, 2006, pp. 459-464 (Service-Oriented Computing - ICSOC 2006, 4th International Conference, Proceedings, Chicago, IL, USA) 2006
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 84. U. Dal Lago, M. Pistore, P. Traverso, *Planning with a Language for Extended Goals*. In *Eighteenth National Conference on Artificial Intelligence*, AAAI Press, 2002, pp. 447-454
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 86. M. Aiello, Mike P. Papazoglou, J. Yang, M.J. Carman, M. Pistore, L. Serafini, P. Traverso, *A Request Language for Web-Services Based on Planning and Constraint Satisfaction*. In A. Buchmann, F. Casati, L. Fiege, M. Hsu, M. Shan, *Technologies for E-Services, Third International Workshop, TES 2002*, Proceedings, Springer, vol. 2444, 2002, pp. 76-85, Hong Kong, China
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