
Personal Data

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Bebek, Istanbul.
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Education

2000-2003: North Carolina State University, Raleigh, North Carolina, USA
Department of Computer Science
Ph.D. Advisor: Munindar P. Singh
Dissertation: Properties of Referral Networks: Emergence of Trust and Authority

1998-2000: North Carolina State University, Raleigh, North Carolina, USA
Department of Computer Science
Master of Science. Advisor: Munindar P. Singh
Thesis: Flexible Execution of E-Commerce Protocols: A Commitment-Based Approach

1994-1998: Marmara University, Istanbul, Turkey
Department of Computer Engineering
Bachelor of Science.

1987-1994: Uskudar American Academy
Istanbul, Turkey

Research Interests

- Multiagent Systems
- Social Media
- Semantic Web and Semantic Web Services
- Intelligent Web Applications (Trust, Recommendation, Privacy)
- Online Education

Work Experience

- 11/2015-present: Professor, Department of Computer Engineering, Bogazici University
- 10/2009-11/2015: Associate Professor, Department of Computer Engineering, Bogazici University
- 09/2011-09/2012: Visiting Scientist, Sabbatical in Department of Computer Science, Cornell University
- 09/2004-10/2009: Assistant Professor, Department of Computer Engineering, Bogazici University
- 09/2003-09/2004: Post-doctoral researcher , Department of Artificial Intelligence, Free University of Amsterdam, Amsterdam
- 01/1999-07/2003: Graduate Assistant, Department of Computer Science, North Carolina State University
- 07/1997-09/1997: Intern, IBM TURK, Istanbul
- 07/1996-09/1996: Intern, Lappeenrannan Kaupunki ATK-Keskus, Lappeenranta

PhD Students Graduated

1. Murat Şensoy (Now Associate Professor at Özyeğin University, Turkey)
2. Reyhan Aydoğan (Now Assistant Professor at Özyeğin University, Turkey)
3. Özgür Kafalı (Now Post-Doctoral Researcher at North Carolina State University, USA)
4. Akın Günay (Now Post-Doctoral Researcher at Lancaster University, UK)

MS Students Graduated

1. Nefise Gizem Yağlakçı
2. Yavuz Mester
3. Ayça Işıksal
4. Fatma Başak Aydemir
5. Feyza Hafizoğlu
6. Ilker Yıldırım
7. Özgür Kafalı
8. Reyhan Aydoğan
9. Akın Günay
10. Hande Zırtıloğlu

11. Shameem Shah Nawaz
12. Albert Özkohen
13. Ian Rob Bowers (Co-advised with Stephen Voss)

Current PhD Students

1. Nadin Kökciyan
2. Onuralp Ulusoy
3. Gonul Aycı

Current MS Students

1. Dilara Keküllüoğlu
2. Berkant Kepez
3. Ilke Gültekin
4. Can Kurtan

Research Projects

- TUBITAK Project, Principal Investigator. Ontology-Based Privacy Management for Social Software. 2014–2016. Completed.
- TUBITAK Project, Researcher. CaReRa: Content-Based Case Retrieval in Radiological Databases. 2011–2014. Completed.
- TUBITAK Project, Researcher. MANGO: MultiAgent Environment for Global Optimization. 2008–2011. Completed.
- TUBITAK CAREER Project, Principal Investigator. Agent-Based Semantic Web Services: Trustworthy Partner Selection, Interoperation, and Composition. 2006–2010. Completed.
- TUBITAK Project, Researcher. Sign-Language Tutor. 2007–2009. Completed.
- Bogazici University Research Fund, BAP013AP2, 2013. Completed.
- Bogazici University Research Fund, BAP5694, 2010. Completed.
- Bogazici University Research Fund, BAP09A106P, 2009. Completed.
- Bogazici University Research Fund, BAP07A102, 2007. Completed.
- Bogazici University Research Fund, BAP06A103, 2006. Completed.
- Bogazici University Research Fund, BAP05A104, 2005. Completed.

Industry Consulting Projects

- Ontology-Based Medical Information Systems (Provided consultation on using ontologies to represent and reason on provision systems), CompuGroup Medical (www.cgm.com).

Teaching Activities

1. CmpE 59B: Privacy in Online Social Networks (Spring 2016)
2. CmpE 59N: Web Semantics (Spring 2013, Spring 2015, Fall 2016)
3. CmpE 593: Multiagent Systems (Spring 2005, Spring 2006, Spring 2008, Fall 2014, Fall 2015)
4. CmpE 596: Service-Oriented Computing (Fall 2006)
5. CmpE 540: Principles of Artificial Intelligence (Fall 2007, Fall 2008, Fall 2009, Fall 2010)
6. CmpE 473: Internet Programming (Spring 2005, Spring 2006, Fall 2007, Fall 2008, Fall 2012, Fall 2013, Spring 2015)
7. CmpE 494: Service-Oriented Architectures and Web Services (Fall 2005)
8. CmpE 210: Introduction to Object Oriented Programming (Spring 2008, Spring 2009)
9. CmpE 150: Introduction to Computing (Fall 2005, Fall 2006, Fall 2007, Fall 2009, Fall 2010, Fall 2012, Spring 2013, Fall 2013, Spring 2014, Fall 2014, Fall 2015, Fall 2016)

Local Activities

- Vice-Chair, Department of Computer Engineering (2012-2014, 2015-present)
- Erasmus Institutional Coordinator (2008-2009)
- Undergraduate Advisor (for around 40 students) (2005-present)
- Coordinator for Software Engineering Masters Program (2005-2006, 2015-present)
- Erasmus Departmental Coordinator (2005-2008)
- Department Faculty Search Committee (2005-present)

Journal Publications

1. Nadin Kökciyan, Nefise Yaglikci, Pınar Yolum, *An Argumentation Approach for Resolving Privacy Disputes in Online Social Networks*, ACM Transactions on Internet Technology, In Press, 2016.

2. Nadin Kökciyan, Pınar Yolum, *PRIGUARD: A Semantic Approach to Detect Privacy Violations in Online Social Networks*, IEEE Transactions on Knowledge and Data Engineering, 28(10): 2724-2737, 2016.
3. Özgür Kafalı, Pınar Yolum, *PISAGOR: a proactive software agent for monitoring interactions*, Knowledge and Information Systems, 47(1):215-239, 2016.
4. Akın Günay, Michael Winikoff, and Pınar Yolum, *Dynamically Generated Commitment Protocols in Open Systems*, Journal of Autonomous Agents and Multi-Agent Systems, 29(2): 192-229, 2015.
5. Reyhan Aydoğan, Tim Baarslag, Koen V. Hindriks, Catholijn Jonker and Pınar Yolum, *Heuristic-Based Approaches for CP-Nets in Utility-based Negotiation without Knowing the Utilities*, Knowledge and Information Systems, 45(2):357-388, 2015.
6. Mohamed El-Menshawey, Jamal Bentahar, Warda El Kholy, Pınar Yolum, Rachida Dssouli, *Computational logics and verification techniques of multi-agent commitments: survey*. Knowledge Engineering Review, 30(5): 564-606, 2015
7. Özgür Kafalı, Akın Günay and Pınar Yolum, *Detecting and predicting privacy violations in online social networks*, Journal of Distributed and Parallel Databases, 32(1):161-190, 2015.
8. Nadin Kökciyan, Rüştü Türkay, Suzan Üsküdarlı, Pınar Yolum, Barış Bakır, and Burak Acar, *Semantic description of liver CT images: An ontological approach*, IEEE Journal of Biomedical and Health Informatics (Retitled from IEEE Transactions on Information Technology in Biomedicine), 18(4):1363-1369, 2014.
9. Akın Günay and Pınar Yolum, *Constraint satisfaction as a tool for modeling and checking feasibility of multiagent commitments*, Applied Intelligence, 39(3):489-509, 2013.
10. Fatma Başak Aydemir, Akın Günay, Figen Öztoprak, Ş. İlker Birbil and Pınar Yolum, *Multiagent cooperation for solving global optimization problems: an extendible framework with example cooperation strategies*, Journal of Global Optimization, 57(2):499-519, 2013.
11. Amit K. Chopra, Alexander Artikis, Jamal Bentahar, Marco Colombetti, Frank Dignum, Nicoletta Fornara, Andrew J. I. Jones, Munindar P. Singh, Pınar Yolum, *Research directions in agent communication*, ACM Transactions on Intelligent Systems and Technology, 4(2):20, 2013.
12. Murat Şensoy and Pınar Yolum, *Automating user reviews using ontologies: an agent-based approach*, World Wide Web Journal, 15(3):285-323, 2012.
13. Reyhan Aydoğan and Pınar Yolum, *Learning Opponent's Preferences for Effective Negotiation: An Approach Based on Concept Learning*, Journal of Autonomous Agents and Multi-Agent Systems, 24:104-140, 2012.
14. Catholijn M. Jonker, Viara Popova, Alexei Sharpanskykh, Jan Treur, and Pınar Yolum, *Formal framework to support organizational design*, Knowledge-based Systems, 31:89-105, 2012.
15. Akın Günay and Pınar Yolum, *Service Matchmaking Revisited: An Approach based on Model Checking*, Web Semantics: Science, Services and Agents on the World Wide Web, 8(4), pp. 292-309, 2010.
16. Murat Şensoy, Jie Zhang, Pınar Yolum, and Robin Cohen, *POYRAZ: A Context-Aware Service Selection Under Deception*, Computational Intelligence, 25(4):335-366, 2009.
17. Murat Şensoy and Pınar Yolum, *Evolving service semantics cooperatively: A consumer-driven approach*, Journal of Autonomous Agents and Multi-Agent Systems, 18:526-555, 2009.

18. İlker Yıldım and Pınar Yolum, *Hybrid Models for Achieving and Maintaining Collaborative Symbiotic Groups*, *Mind and Society*, 8(2): 243–258, December 2009.
19. Pınar Yolum, *Design Time Analysis of Multiagent Protocols*, *Data and Knowledge Engineering Journal (DKE)*, 63(1): pp. 137–154, October 2007.
20. Murat Şensoy and Pınar Yolum, *Ontology-Based Service Representation and Selection*, *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 19(8), pp. 1102–1115, August 2007.
21. Catholijn M. Jonker, Alexei Sharpanskykh, Jan Treur, and Pınar Yolum, *A framework for formal modeling and analysis of organizations*. *Applied Intelligence* 27(1):49-66, 2007.
22. Catholijn M. Jonker, Martijn Schut, Jan Treur, and Pınar Yolum, *Analysis of meeting protocols by formalisations, simulation and verification*, *Computational and Mathematical Organization Theory*, 13(3):283–314, 2007.
23. Murat Şensoy, Canan Pembe, Hande Zırtıloğlu, Pınar Yolum and Ayşe Bener, *Experience-Based Service Provider Selection in Agent Mediated E-Commerce*, *Engineering Applications of Artificial Intelligence*, 20(3):325–335, April 2007.
24. Pınar Yolum and Munindar P. Singh, *Engineering Self-Organizing Referral Networks for Trustworthy Service Selection*, *IEEE Transactions on Systems, Man, and Cybernetics*, Vol: 34 No: 3, pp.396–407, May, 2005.
25. Pınar Yolum and Munindar P. Singh, *Reasoning About Commitments in the Event Calculus: An Approach for Specifying and Executing Protocols*, *Annals of Math and AI*, Vol:42 No:1-3, pp.227–253, 2004.
26. Pınar Yolum and Munindar P. Singh, *Dynamic Communities in Referral Networks*, *Web Intelligence and Agent Systems Journal*. Vol:1 No:2 pp. 105–116, 2003.

Conference and Workshop Publications

27. Dilara Keküllüoğlu, Nadin Kökciyan, Pınar Yolum, *Strategies for Privacy Negotiation in Online Social Networks*, *European Conference on AI (ECAI)*, 1608-1609, 2016.
28. Berkant Kepez, Pınar Yolum, *Learning Privacy Rules Cooperatively in Online Social Networks*, *ECAI Workshop on AI for Privacy and Security (PRAISE)*, 2016.
29. Dilara Keküllüoğlu, Nadin Kökciyan, Pınar Yolum, *Strategies for Privacy Negotiation in Online Social Networks*, *ECAI Workshop on AI for Privacy and Security (PRAISE)*, 2016.
30. Nadin Kökciyan, Nefise Yaglikci, Pınar Yolum: *Argumentation for Resolving Privacy Disputes in Online Social Networks: (Extended Abstract)*. *AAMAS 2016*: 1361-1362
31. Yavuz Mester, Nadin Kökciyan, Pınar Yolum, *Negotiating Privacy Constraints in Online Social Networks*, *AAMAS Workshop in Social Computing*, 2015.
32. Özgür Kafalı, Akın Günay, and Pınar Yolum, *GOSU: Computing Goal Support with commitments in multiagent systems*, *European Conference on Artificial Intelligence (ECAI)*, 477-482, 2014.
33. Nadin Kökciyan, Pınar Yolum, *Commitment-Based Privacy Management in Online Social Networks*, *AAMAS Workshop in Social Computing*, 2014.

34. Akın Günay, Michael Winikoff, and Pınar Yolum, *Generating and ranking commitment protocols*, Proceedings of International Conference on Autonomous Agents and Multiagent Systems (AAMAS), pages 1323–1324, 20013.
35. Akın Günay, Pınar Yolum, *Engineering Conflict-Free Multiagent Systems*, First International Workshop on Engineering Multiagent Systems (EMAS), 2013.
36. Özgür Kafalı, Akın Günay, Pınar Yolum, *PROTOSS: A Run Time Tool for Detecting Privacy Violations in Online Social Networks*, International Conference on Advances in Social Networks Analysis and Mining (ASONAM), pp 429-433, 2012.
37. Reyhan Aydoğan and Pınar Yolum, *Ontology-Based Learning for Negotiation*, IEEE International Conference on Intelligent Agent Technology (IAT), pp. 177-184, 2009. (18% acceptance rate)
38. Murat Şensoy and Pınar Yolum, *A Cooperation-Based Model For Evolution Of Service Ontologies*, Proceedings of Seventh International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS), pages 837–844, 2008 (21% acceptance rate)
39. Murat Şensoy and Pınar Yolum, *Active Concept Learning for Ontology Evolution*, Proceedings of The 18th European Conference on Artificial Intelligence (ECAI 2008), pages 773–774, 2008.
40. Akın Günay and Pınar Yolum, *Semantic Matchmaking of Web Services using Model Checking*, Proceedings of 7th International Conference on Autonomous Agents and Multiagent Systems (AAMAS'08), pp. 273-280, Estoril, Portugal. (21% acceptance rate)
41. İlker Yıldım and Pınar Yolum, *Hybrid Models for Achieving and Maintaining Collaborative Symbiotic Groups*, 5th Conference of European Social Simulation Conference (ESSA), 2008.
42. Özgür Kafalı and Pınar Yolum, *Improving Self-Organized Resource Allocation with Effective Communication*, Seventh International Workshop on Agents and Peer-to-Peer Computing, pages 7 - 18, 2008.
43. Özgür Kafalı and Pınar Yolum, *Action-Based Environment Modeling for Maintaining Trust*, Eleventh International Workshop on Trust in Agent Societies, pages 23 - 32, 2008.
44. Reyhan Aydoğan and Pınar Yolum, *Learning Consumer Preferences Using Semantic Similarity*, 6th International Conference on Autonomous Agents and Multiagent Systems (AAMAS), pp. 1293-1300, 2007. (22% acceptance rate)
45. Pınar Yolum and Munindar P. Singh, *Enacting Protocols by Commitment Concession*, 6th International Conference on Autonomous Agents and Multiagent Systems (AAMAS), pp. 116-123, 2007. (22% acceptance rate)
46. Murat Şensoy and Pınar Yolum, *On Choosing An Efficient Service Selection Mechanism In Dynamic Environments*, The Ninth International Workshop on Agent-Mediated Electronic Commerce (AMEC IX), pp.99-112, 2007.
47. Murat Şensoy and Pınar Yolum, *A Comparative Study of Reasoning Techniques for Service Selection*, Fifth International Workshop on Agents and Peer-to-Peer Computing (AP2PC), pp. 91-102, 2006.
48. Murat Şensoy and Pınar Yolum, *A Context-Aware Approach For Service Selection Using Ontologies*, 5th International Conference on Autonomous Agents and Multiagent Systems (AAMAS), pp.931–938, 2006. (24% acceptance rate)

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49. Pinar Yolum, *Towards Design Tools for Protocol Development*, 4th International Conference on Autonomous Agents and Multiagent Systems (AAMAS), pp.99–105, 2005. (24% acceptance rate)
 50. Mark Hoogendoorn, Jan Treur, and Pinar Yolum, *A Labelled Graph Approach to Support Analysis of Organizational Performance* with. In: Multi-Agent and Multi-Agent-Based Simulation, Proceedings of the International Workshop on Agent-based Technologies and Applications for Enterprise Interoperability (ATOP) pp. 49-60, 2005,
 51. H. Abbink, R. van Dijk, T. Dobos, M. Hoogendoorn, C.M. Jonker, S. Konur, P.P. van Maanen, V. Popova, A. Sharpanskykh, P. van Tooren, J. Treur, J. Valk, L. Xu, and P. Yolum, *Automated Support for Adaptive Incident Management*. In: Walle, B. van de, and Carle, B. (eds.), First International Workshop on Information Systems for Crisis Response and Management (ISCRAM), 2004.
 52. Yathiraj B. Udipi, Pinar Yolum and Munindar P. Singh, *Agent-Based Peer-to-Peer Service Networks: A Study of Effectiveness and Structure Evolution*, 3rd International Conference on Autonomous Agents and Multiagent Systems (AAMAS), 2004 (Poster)
 53. Pinar Yolum and Munindar P. Singh, *Emergent Properties of Referral Systems*, 2nd International Conference on Autonomous Agents and Multiagent Systems (AAMAS), pp.592–599, 2003. (25% acceptance rate)
 54. Pinar Yolum and Munindar P. Singh, *Emergent Personalized Communities in Referral Networks*, IJCAI Workshop on Intelligent Techniques for Web Personalization, 2003.
 55. Pinar Yolum and Munindar P. Singh, *Ladders of Success: An Empirical Approach to Trust*, 2nd International Conference on Autonomous Agents and Multiagent Systems (AAMAS), 2003 (Poster)
 56. Pinar Yolum and Munindar P. Singh, *Achieving Trust via Service Graphs*, AAMAS Workshop on Trust, Fraud, Deception and Privacy, 2003.
 57. Pinar Yolum and Munindar P. Singh, *Flexible Protocol Specification and Execution: Applying Event Calculus Planning using Commitments*, 1st International Conference on Autonomous Agents and Multiagent Systems (AAMAS), pp.527–534, 2002. (26% acceptance rate)
 58. Pinar Yolum and Munindar P. Singh, *Flexible Caching in Peer-to-Peer Information Systems*, AAMAS Workshop on Agent-Oriented Information Systems, 2002.
 59. Pinar Yolum and Munindar P. Singh, *Commitment-Based Enhancement of E-Commerce Protocols*, Proceedings of the Workshop on Web-based Infrastructures and Coordination Architectures for Collaborative Enterprises, Part of the Eighth Workshop-Conference on Enabling Technologies: Infrastructure for Enterprises (WET ICE), 2000

Book Chapters

60. Yavuz Mester, Nadin Kökciyan, Pinar Yolum, *Negotiating Privacy Constraints in Online Social Networks*, Advances in Social Computing and Multiagent Systems. Springer International Publishing, 2015. 112-129.
61. Reyhan Aydogan, Tim Baarslag, Koen V. Hindriks, Catholijn Jonker and Pinar Yolum, *Heuristic-Based Approaches for CP-Nets in Negotiation*, Complex Automated Negotiations: Theories, Models, and Software Competitions; Studies in Computational Intelligence, vol. 435, 113-123, 2013.

62. Akın Günay, Michael Winikoff and Pınar Yolum, *Generating Commitment Protocols*, Lecture Notes in Computer Science, DALT 2012, 2012.
63. Akın Günay and Pınar Yolum, *Detecting Conflicts in Commitments*, Lecture Notes in Artificial Intelligence, vol 7159, (DALT 2011): 51-66, 2012.
64. Reyhan Aydoğan ve Pınar Yolum, *The Effect of Preference Representation on Learning Preferences in Negotiation*, New Trends in Agent-Based Complex Automated Negotiations Studies in Computational Intelligence, vol. 383, 3-20, 2012.
65. Reyhan Aydoğan, Nuri Taşdemir and Pınar Yolum, *Reasoning and Negotiating with Complex Preferences Using CP-nets*, Agent-Mediated Electronic Commerce and Trading Agent Design and Analysis Lecture Notes in Business Information Processing, vol. 44, 15-28, 2010,
66. Paolo Torroni, Pınar Yolum, Munindar P. Singh, Marco Alberti, Federico Chesani, Marco Gavanelli, Evelina Lamma, and Paola Mello. *Modelling interactions via commitments and expectations*. Chapter in Virginia Dignum, eds., *Handbook of Research on Multi-Agent Systems: Semantics and Dynamics of Organizational Models*, chapter 11, pages 263-284. IGI Global, Hershey, Pennsylvania, March 2009.
67. Özgür Kafalı and Pınar Yolum, *Detecting Exceptions in Commitment Protocols: Discovering Hidden States*, Lecture Notes in Computer Science, Volume 6039, Languages, Methodologies, and Development Tools for Multi-Agent Systems, Pages 112-127, 2010.
68. Reyhan Aydoğan and Nuri Tasdemir and Pınar Yolum, *Reasoning and Negotiating with Complex Preferences Using CP-nets*, Lecture Notes in Business Information Processing, 1, Volume 44, Agent-Mediated Electronic Commerce and Trading Agent Design and Analysis, Pages 15-28, 2010.
69. Akın Günay, Figen Öztoprak, Ş. İlker Birbil and Pınar Yolum, *Solving Global Optimization Problems Using MANGO*, Lecture Notes in Computer Science, Volume 5559, Agent and Multi-Agent Systems: Technologies and Applications, Pages 783-792, 2009.
70. Murat Şensoy and Pınar Yolum, *Concept Learning for Achieving Personalized Ontologies: An Active Learning Approach*, Lecture Notes in Computer Science, Volume 5680, Agents and Data Mining Interaction, Pages 170-182, 2009.
71. İlker Yıldım, Oya Aran, Pınar Yolum, and Lale Akarun, *Cooperative Sign Language Tutoring: A Multiagent Approach*, Engineering Societies in the Agents World (ESAW), LNAI 5881, pp.213-229, 2009. *Best Paper Award*
72. Mark Hoogendoorn, Jan Treur, and Pınar Yolum, *Analysis and Support of Organizational Performance Based on a Labeled Graph Approach*, Lecture Notes in Business Information Processing, 1, Volume 25, Agent-Based Technologies and Applications for Enterprise Interoperability, Part 2, Pages 80-97, 2009.
73. Murat Şensoy and Pınar Yolum, *Experimental Evaluation of Deceptive Information Filtering In Context-Aware Service Selection*, Trust in Agent Societies, Lecture Notes in Artificial Intelligence, vol. 5396, pages 326–347, 2008.
74. Akın Günay and Pınar Yolum, *Structural and Semantic Similarity Metrics for Web Service Match-making*, E-Commerce and Web Technologies, Lecture Notes in Computer Science 4655, Springer, pp. 129–138, 2007. (34% acceptance rate)

75. Catholijn Jonker, Alexei Sharpanskykh, Jan Treur, and Pinar Yolum, *Design Operators to Support Organizational Design*, In: J. Gero (ed.), Proc. of the Second International Conference on Design Computing and Cognition (DCC). Lecture Notes in Artificial Intelligence, Springer Verlag, 2006.
76. Egon van der Broek, Catholijn Jonker, Alexei Sharpanskykh, Jan Treur, and Pinar Yolum, *Formal Modelling and Analysis of Organizations*, Proceedings of the International Workshop on From Organizations to Organization-Oriented Programming, Lecture Notes in Computer Science, Vol. 3913, Springer-Verlag, 2006.
77. Albert Özkohen and Pinar Yolum, *Predicting Exceptions in Agent-Based Supply Chains*, Proceedings of the International Workshop on Engineering Societies in the Agents World, Lecture Notes in Computer Science, Vol. 3963, Springer-Verlag, 2006.
78. Catholijn Jonker, Jan Treur, and Pinar Yolum, *A Formal Reuse-Based Approach for Designing Organizations*, Proceedings of the International Workshop on Agent-Oriented Software Engineering, Lecture Notes in Computer Science, Vol. 33382, pp.221–237, Springer-Verlag, 2004.
79. Catholijn Jonker, Martijn Schut, Jan Treur, and Pinar Yolum, *Formal Analysis of Meeting Protocols*, Proceedings of the International Workshop on Multiagent and Multiagent-Based Simulation (MAMABS), Lecture Notes in Computer Science, Vol. 3415, pp.114–129, Springer-Verlag, 2004.
80. Pinar Yolum, *Web Structure*, Practical Handbook of Internet Computing, Munindar P. Singh editor. Chapman Hall & CRC Press, 2004.
81. Pinar Yolum and Munindar P. Singh, *Service Graphs for Building Trust*, Proceedings of the International Conference on Cooperative Information Systems (CoopIS), Lecture Notes in Artificial Intelligence, Vol. 3290, pp.509–525, Springer-Verlag, 2004.
82. Pinar Yolum, *Correctness Requirements for Commitment Protocols*, Proceedings of the International Symposium on Computer and Information Sciences (ISCIS), Lecture Notes in Computer Science, Vol. 3280, pp.955–965, Springer-Verlag, 2004.
83. M. Hoogendoorn, C.M. Jonker, S. Konur, P.P. van Maanen, V. Popova, A. Sharpanskykh, J. Treur, L. Xu, and P. Yolum, *Formal Analysis of Empirical Traces in Incident Management*, . Proceedings of the 24th International Conference on Innovative Techniques and Applications of Artificial Intelligence. Lecture Notes in Computer Science, Springer Verlag. 2004.
84. Pinar Yolum and Munindar P. Singh, *Self-Organizing Referral Networks: A Process View of Trust and Authority*, Engineering Self-organizing Applications, Lecture Notes in Artificial Intelligence, Vol. 2977, pp.195–211, Springer-Verlag 2004.
85. Yathiraj Udipi, Pinar Yolum and Munindar P. Singh, *Trustworthy Service Caching: Cooperative Search in P2P Information Systems*, Agent-Oriented Information Systems. Lecture Notes in Artificial Intelligence, Vol. 3030, pp.33–46, Springer-Verlag 2004.
86. Ashok U. Mallya, Pinar Yolum and Munindar P. Singh, *Resolving Commitments Among Autonomous Agents*, Advances in Agent Communication, Lecture Notes in Artificial Intelligence, Vol. 2922, pp.166–182, Springer-Verlag 2004.
87. Pinar Yolum and Munindar P. Singh, *An Agent-Based Approach for Trustworthy Service Location*, Lecture Notes in Artificial Intelligence, Vol. 2530, pp.45–56, Springer-Verlag 2003.
88. Pinar Yolum and Munindar P. Singh, *Commitment Machines*, In Intelligent Agents VIII (ATAL), Lecture Notes in Artificial Intelligence, Vol. 2333, pp.235–247, Springer-Verlag 2002.

Edited Books

89. Gerhard Weiss, Pınar Yolum, Rafael H. Bordini, Edith Elkind: Proceedings of the 2015 International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2015, Istanbul, Turkey, May 4-8, 2015. ACM 2015, ISBN 978-1-4503-3413-6
90. Liz Sonenberg, Peter Stone, Kagan Tumer and Pınar Yolum (Guest Editors), *AI Magazine*, 33(3), 2012.
91. Liz Sonenberg, Peter Stone, Kagan Tumer ve Pınar Yolum (Eds.), *10th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2011)*, Taipei, Taiwan, May 2-6, 2011, Volume 1-3. IFAAMAS 2011.
92. João Alexandre Leite, Andrea Omicini, Paolo Torroni, and Pınar Yolum (eds). *Declarative Agent Languages and Technologies II*, Second International Workshop, DALT 2004, Revised Selected Papers, Lecture Notes in Computer Science 3476, Springer-Verlag, 2005.
93. Pınar Yolum, Tunga Güngör, Fikret Gürgen and Can Özturan (eds.) *Computer and Information Sciences (ISCIS)*, Lecture Notes in Computer Science 3733, Springer-Verlag, 2005.

Other Publications

94. Pınar Yolum and Ş. İlker Birbil, *Dynamic pricing for peer-to-peer networks*, Euro/INFORMS 2003
95. Pınar Yolum *The Fifth International Conference on Autonomous Agents: An E-commerce Perspective*, ACM SIGecom Exchanges, Issue 2.2 Spring, 2001
96. Pınar Yolum and Munindar P. Singh, *Synthesizing Finite State Machines for Communication Protocols*, Technical Report 2001-06, Department of Computer Science, North Carolina State University, Raleigh, 2001
97. Pınar Yolum and Munindar P. Singh, *Designing and Executing Protocols Using the Event Calculus*, Proceedings of the Autonomous Agents Conference (Agents), 2001 (Poster)

Citations

- 1735 citations in Google Scholar, 255 citations in Web of Science. Google Scholar h-index is 19; Web of Science h-index is 8.

Professional Activities

- Guest Editor (with Mike Huhns), IEEE Internet Computing, Special Issue on Agents for Social Media, 2017.
- Guest Editor (with Natalia Criado, Ozgur Kafali, Martin Rehak, Jose Such), ACM Transactions on Internet Technology, Special Issue on Artificial Intelligence for Security and Privacy, 2017.
- General Cochair, International Conference on Autonomous Agents and Multiagent Systems (AAMAS), 2015.
- Editorial Board Member, Journal of AI Research (JAIR), 2012-present.
- Associate Editor, Journal of Autonomous Agents and Multiagent Systems (JAAMAS), 2011-present.
- Elected Board Member, International Foundation on Autonomous Agents and Multiagent Systems (IFAAMAS), 2010-2016.
- Program Co-Chair, International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS), 2011.
- Senior Program Committee, International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS), 2010, 2012, 2013, 2014, 2016, 2017
- Senior Program Committee, International Joint Conference on Artificial Intelligence (IJCAI), 2016.
- Senior Program Committee, European Conference on Artificial Intelligence (ECAI), 2014, 2016.
- Program Committee, National Conference on Artificial Intelligence (AAAI), 2010, 2012, 2013, 2014
- Student Scholarship Co-Chair, International Joint Conference on Autonomous Agents and Multiagent Systems, 2010.
- Program Committee, International Joint Conference on Artificial Intelligence (IJCAI), 2009.
- Senior Program Committee, International Joint Conference on Autonomous Agents and Multiagent Systems, 2009, 2013.
- Tutorials Chair, International Joint Conference on Autonomous Agents and Multiagent Systems, 2008.
- Program Committee, International Joint Conference on Autonomous Agents and Multiagent Systems, 2008.
- Senior Program Committee, International Joint Conference on Autonomous Agents and Multiagent Systems, 2007.
- Program Committee, AAMAS Workshop on Coordination, Organization, Institutions and Norms in Agents Systems (COIN), Since 2006.
- Program Committee, Workshop on Agent Communication (Affiliated with AAMAS), 2005, 2006
- Co-organizer, International Symposium on Computer and Information Sciences (ISCIS), 2005

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- Program Committee, International Conference on Distributed Computing Systems (ICDCS). Internet Computing and Applications Track, 2005
 - Program Committee, International Conference on Autonomous Agents and Multiagent Systems (AAMAS), 2005
 - Program Committee, Agent-Directed Simulation Symposium, 2005, 2006
 - Co-organizer, Workshop on Declarative Agent Languages and Technologies (Affiliated with AAMAS), 2004
 - Organizing Committee, Workshop on Coordination in Emergent Agent Societies (Affiliated with ECAI), 2004
 - Reviewer for various journals, including Journal of Autonomous Agents and Multi-Agent Systems, International Journal of Cooperative Information Systems, International Journal of Simulation and Process Modeling, International Journal of Intelligent Systems, International Journal of Human-Computer Studies, Computer Networks, IEEE JSAC

Awards and Honors

- Recipient of TUBITAK 2219 Scholarship for Research Visit (Sabbatical Cornell University)
- BU Academic Encouragement Award (2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2015, 2016)
- Best paper award: İlker Yıldım, Oya Aran, Pınar Yolum, Lale Akarun, *Cooperative Sign Language Tutoring: A Multiagent Approach*, Engineering Societies in the Agents World (ESAW), LNAI 5881, pp.213-229, 2009.
- Finalist for Best PC, AAMAS 2009
- TUBITAK Career Award (2006)
- Travel and Registration Scholarship for Computing Research Association (CRA) Academic Careers and Teaching Workshop (2002)
- Travel Scholarship for Agents Conference (2001), AAMAS Conferences (2002, 2003, 2005)
- AIESEC International Trainee (1996)
- TUBITAK Team Member for 6th International Olympiad in Informatics and 2nd Balcanic Olympiad in Informatics (1993)

Skills

Languages: English (fluent), Turkish (native)

Civic Involvement: Founder and regular contributor to Bolbilim.com, a blog dedicated to enhancing communication among young academics in Turkey.

Regular speaker for Mor Sertifika Program, a week-long course given to high-school teachers to fight gender bias in education.

Speaker at various high-schools on promoting STEM.

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