

Publications, Presentations and Other Activities of Dr. Tuncer Ören on:
Software Agents and Agent-Directed Simulation

Some statistic

		0	1	2	3	4	5	6	7	8	9	total	
1990s	publications						1	1	1			3	
	meetings								2	1	3		6
	total						1	1	3	1	3		
2000s	publications	3	5	1	1	5	5	4	6	4	13	47	
	meetings	1	2		2	4	5	5	5	5	3		32
	total	4	11	1	3	9	10	9	11	9	16		
2010s	publications	6	4	7	4	3	3	(4)				27 (4)	
	meetings	4	4	3	5	4	3	(5)					23 (5)
	total	10	8	10	9	7	6	(9)					

(in press, in preparation)

publications	77 (4)
meetings	61 (5)
total	138 (9)

1995

Abdullah, B., **Ören**, T.I. (1995). Integration of Visual Intelligent Software Agent Gauges (VISAG) into a Simulation Environment. In: Proceedings of 1995 Summer Computer Simulation Conf., Ottawa, Ont., Canada, July 24-26, SCS, San Diego, CA., pp. 269-274.

1996

Ören, T.I. (1996). Intelligent Software Agents: Basic Concepts and Internet Applications. (In Turkish - Akıllı Yazılım Etmenleri: Temel Kavramlar ve İnternet'teki Uygulamalar). In Proceedings of Informatics '96, Sept. 18-22, 1996, Istanbul, Turkey.

1997

Abdullah, B., **Ören**, T., (1997). Enhancement of a Simulation Environment with IMAGES (Intelligent Multi-Agent Based Virtual Gauges). In: Proceedings of the 1st World Congress on Systems Simulation, Singapore, Sept. 1-4, 1997, pp. 359-363. (Based on Abdullah's Master's [Thesis](#), 1999).

- * **1997 September 9-18, Istanbul, Turkey**
 Summer School on Advanced Topics in Software Engineering
 Sponsor: TÜBİTAK - (Turkish Science and Technical Research Council), MRC (Marmara Research Center) with the Support of Bogazici University
Lectures on: - Software Agents (September 17)

- * **1997 Dec. 12, Istanbul, Turkey,**
Yeditepe University
Invited Seminar: Software Agents (in Turkish: Yazılım Etmenleri)

1998

- * **1998 December 15, Istanbul, Turkey**
Boğaziçi University, Computer Engineering Dept.
Invited Seminar: Software Agents

1999

- * **1999 February 12, Ankara, Turkey**
AFCEA (Armed Forces Communications and Electronics Association) Turkish Chapter
Invited Seminar: Software Agents (In Turkish: [Yazılım Etmenleri](#))
- * **1999 July 4-9, Schloss [Dagstuhl](#), Germany**
Agent-Oriented Approaches in Distributed Modelling and Simulation: Challenges and Methodologies
Invited Presentation: Simulation, Artificial Intelligence and Agents: A Taxonomy
- * **1999 December 14, Gebze, Kocaeli, Turkey**
GYTE (Gebze Technology Institute)
Invited Seminar: Artificial Intelligence Applications in Software Engineering:
Software Agents
(In Turkish: Yazılım Mühendisliğinde Yapay Zekâ Uygulamaları: Yazılım Etmenleri)

2000

- Ören, T.I. (2000 - Invited Opening Paper). [Advances in Computer and Information Sciences](#). Proc. of the 15th International Symposium on Computer and Information Sciences. ISCIS 15, Oct. 11-13, 2000, Istanbul, Turkey, pp. XIII-XVII ([presentation](#)).
- Ören, T.I. (2000 - Invited Presentation). Use of Intelligent Agents for Military Simulation. Lecture Notes of Simulation for Military Planning, 21-22 Sept. 2000, Brussels, Belgium. International Seminars and Symposia Centre.
- Ören, T.I. (2000 - Invited Paper). [Agent-directed Simulation - Challenges to meet Defense and Civilian Requirements](#). Proc. of the 2000 Winter Simulation Conference, J.A Joines et al., eds., Dec. 10-13, 2000, Orlando, Florida, pp. 1757-1762.
- * **2000 July 3, Gebze-Kocaeli, Turkey**
TÜBİTAK - Marmara Research Center (MRC),
Information Technologies Research Institute (ITRI), Multimedia Group
Invited Presentation: (In Turkish) Software Agents

2001

- Ören, T.I. (2001). [Advances in Computer and Information Sciences: From Abacus to Holonic Agents](#). Special Issue on Artificial Intelligence of Elektrik (Turkish Journal of Electrical Engineering and Computer Sciences - Published by TUBİTAK - Turkish Science and Technical Council), 9:1, 63-70. ([presentation](#)).

Ören, T.I. (2001 - Invited Paper). [Software Agents for Experimental Design in Advanced Simulation Environments](#). In: S.M. Ermakov, Yu.N. Kashtanov, and V. Melas (eds.) Proc. of the 4th St. Petersburg Workshop on Simulation, June 18-23, 2001, pp. 89-95. ([presentation](#)).

Ören, T.I. (2001 – Invited Paper). [Impact of Data on Simulation: From Early Practices to Federated and Agent-Directed Simulations](#). In: A. Heemink et al. (eds.) Proc. of EUROSIM 2001, June 26-29, 2001, Delft, the Netherlands. ([presentation](#)).

Ören, T.I. (ed.) (2001). Software Agents and Simulation. Special Issue of Simulation Journal. June 2001.

Ören, T.I. (2001). Guest Editor's Introduction: Software Agents and Simulation. Special Issue of Simulation Journal. June 2001, p. 328.

- * **2001 April 2-4, Passau, Germany**
[Workshop 2001](#) - Agent-based Simulation II. **Organized** by SCS, ASIM & University of Passau, Germany
Member of the Program Committee
- * **2001 October 23-26, Maebashi City, Japan**
[IAT-2001](#) - The 2nd Asia-Pacific Conference on Intelligent Agent Technology
Member of the Program Committee

2002

Ören, T.I. (2002 - Invited Plenary Paper). [Ethics as a Basis for Sustainable Civilized Behavior for Humans and Software Agents](#). Acta Systemica, 2:1, 1-5. Is also published in the Proceedings of the InterSymp 2002 - The 14th International Conference on Systems Research, Informatics and Cybernetics of the IIAS, July 29 - August 3, Baden-Baden, Germany. ([presentation](#))

2003

Ghasem-Aghaee, N. and Ören, T.I. (2003). [Towards Fuzzy Agents with Dynamic Personality for Human Behavior Simulation](#), Proceedings of the 2003 Summer Computer Simulation Conference, Montreal, PQ, Canada, July 20-24, 2003, 3-10. ([presentation](#)) ([at SCS digital library](#))

- * **2003 July 20-24, Montreal, P.Q., Canada**
[SSiMC'03](#) - Summer Computer MultiConference 2003
Organizer of the Track of Sessions on: "[Agent-directed Simulation](#)"
Chairman of a Session 1 on Agent-directed simulation
- * **2003 October 13-17, Halifax, Canada**
[IAT 2003](#) - The 2003 IEEE/WIC International Conference on Intelligent Agent Technology
Member the Program Committee

2004

Ören, T.I. (2004). Review of the article: "Further towards a taxonomy of agent-based simulation models in environmental management" by Hare M. and Deadman P.

Mathematics and Computers in Simulation 64(1): 25-40, 2004. ACM Computing Reviews, May 2004 issue.

Ghasem-Aghaee, N. and **Ören**, T.I. (2004). [Effects of Cognitive Complexity in Agent Simulation: Basics](#), Proceedings of [SCSC 2004](#) - Summer Computer Simulation Conference, July 25-29, 2004, San Jose, CA., pp. 15-19. ([presentation](#)). ([at SCS digital library](#))

Yilmaz, L. and **Ören**, T.I. (2004). [Dynamic Model Updating in Simulation with Multimodels: A Taxonomy and a Generic Agent-Based Architecture](#), Proceedings of SCSC 2004 - Summer Computer Simulation Conference, July 25-29, 2004, San Jose, CA., pp. 3-8. ([presentation](#)) ([at SCS digital library](#))

Ören, T.I. and L. Yilmaz (2004). [Behavioral Anticipation in Agent Simulation](#), Proceedings of [WSC 2004](#) - Winter Simulation Conference, Washington, D.C., December 5-8, 2004, pp. 801-806. ([presentation](#))

Yilmaz, L. and **Ören**, T.I. (2004). [Exploring Agent-Supported Simulation Brokering on the Semantic Web: Foundations for a Dynamic Composability Approach](#), WSC 2004 - Winter Simulation Conference, Washington, D.C., December 5-8, 2004, pp. 766-773. ([presentation](#)) ([abstract](#))

- * **2004 May 3-5, Lisboa, Portugal**
[ABS2004](#) - the 5th International Workshop on Agent-Based Simulation.
Member of the Program Committee
- * **2004 July 25-29, San Jose, California**
[SCSC'04](#) - Summer Computer Simulation Conference 2004
Organizer (with Dr. Levent Yilmaz) of the Track of Sessions on: [Agent-directed Simulation](#)
Chair of the Session: Agent-Directed Simulation 1
- * **2004 September 1-31, Marseille, France**
[LSIS](#) Laboratoire des Sciences de l'information et des Systèmes, Université Paul Cézanne–Aix Marseille 3
Invited Presentation: Personality Knowledge and Cognitive Complexity for Human Behavior Simulation with Software Agents ([presentation](#)) (September 9, 2004)
- * **2004 September 20-24, Beijing, China**
[IAT-2004](#) 2004 IEEE/WIC/ACM International Conference on Intelligent Agent Technology
Member of the Program Committee

2005

Santoni, C, J.M. Mercantini, M.F.Q.V. Turnell and T.I. **Ören** (2005). Improving System Safety Through Agent-Supported User/System Interfaces: Effects of Operator Behavior Model and Quality Criteria. . [Agent-Directed Simulation Symposium](#) of the Spring Simulation Multiconference (SMC'05), San Diego, CA, April 2005, pp. 86-93. ([presentation](#))

Yilmaz, L. and T.I. **Ören** (2005). [Discrete-Event Multimodels and their Agent-Supported Activation and Update](#). In Proceedings of the [Agent-Directed Simulation Symposium](#) of the Spring Simulation Multiconference (SMC'05), pp. 63-70, San Diego, CA, April 2005, pp. 63-70. ([presentation](#))

- Yilmaz, L. and T.I. **Ören** (Eds.). (2005). [Special Issue](#) on “Agent-Directed Simulation” of the Transactions of the Society for Modeling and Simulation International. Vol. 81, issue 7, July 2005.
- Yilmaz, L. and T.I. **Ören** (2005). "[Preface](#) - Special Issue on Agent-Directed Simulation," Transactions of the Society for Modeling and Simulation International. Vol. 81, issue 7, July 2005, pp. 463-464.
- Ghasem-Aghae, N., Kaedi, M., T.I. **Ören** (2005). [Effects of Cognitive Complexity in Agent Simulation: Fuzzy Rules and an Implementation](#). In: Proceedings of: [CM&SC](#) - Conceptual Modeling and Simulation Conference 2005, within [IBM'2005](#) - International Mediterranean Multiconference, October 20-22, 2005, Marseille, France, SCS, San Diego, CA. ([presentation](#))
- * **2004 April 2-8, San Diego, CA**
[ADS'05](#) - Agent-Directed Simulation. Part of the 2005 Spring Simulation Conference (SMC'05) (Formerly known as the Advanced Simulation Technologies Conference (ASTC))
Member of the International Program Committee
 - * **2004 July 24-28, Philadelphia, PA**
[SCSC'05](#) - Summer Computer Simulation Conference 2005
Member of the International Program Committee
Organizer (with Dr. Levent Yilmaz) of the [Track of Sessions on: Agent-directed Simulation](#)
 - * **2004 September 12-14, Erlangen, Germany**
[ABS 6](#) - Agent-Based Simulation 6
Member of the International Program Committee
 - * **2004 September 19-22, Compiègne University of Technology, France**
[IAT 2005](#) - Intelligent Agent Technology
Member, International Program Committee
 - * **2004 November 28 - December 1, Orlando, Florida**
[IITSEC](#) - Interservice/Industry Training, Simulation Conference
Invited Member of the Panel on: Artificial Intelligence, Intelligent Agents and Game Technology ([Position Statement](#)) (Annual Special Event presented by the Society for Modeling and Simulation International-SCS) Coordinators: Ms. Priscilla Elfrey, Dr. Levent Yilmaz, and. Mr. Jeffrey Wallace. Moderator: Ms. Priscilla Elfrey

2006

- Kazemifard, M., Ghasem-Aghae, N., and T.I. **Ören** (2006). An Event-based Implementation of Emotional Agents. Proc. Summer Simulation Conference, Calgary, Canada, pp. 63-67.
- Saple, A., L. Yilmaz, and T.I. **Ören** (2006). An Agent-based Simulation Study of Anticipatory and Adaptive Fault Management in Computer Networks. Proc. Summer Simulation Conference, pp. 11-18, July 29 - Aug. 2, 2006, Calgary, Canada.
- Yilmaz, L., T.I. **Ören**, and N. Ghasem-Aghae (2006). Intelligent Agents, Simulation, and Gaming. *Simulation and Gaming Journal*, 2006, [vol. 37, issue 3, pp. 339-349](#). DOI (Digital Object Identifier): 10.1177/1046878106289089. ([ACM Portal](#))

Ghasem-Aghaee, N., M. Kaedi, L. PoorMohamadBagher, and T.I. Ören (2006).
 Personality and Emotions in Agent Simulation: Fuzzy Rules and an Implementation.
 Research in Interactive Design – vol. 2, D. Coutellier and X. Fisher (eds.)
 Proceedings of Virtual Concept 2006, Playa Del Carmen, Mexico, Nov. 26 - Dec. 1,
 Springer-Verlag.

- * **2006 April 2-6, Auburn, Alabama**
[ADS'06](#) - Agent-Directed Simulation.
 Part of the 2006 Spring Simulation Multiconference (SpringSim'06)
 Sponsored by [SCS](#) -The Society for Modeling and Simulation International
 Co-sponsored by [M&SNet](#) - [McLeod](#) Modeling and Simulation Network of the SCS
Symposium Chair (Program Co-Chairs: Dr. Gregory Madey, Dr. Levent Yilmaz)
- * **2006 July 30 - August 3, Calgary, Canada**
[SCSC 2006](#) - Summer Computer Simulation Conference 2006
Member of the International Program Committee
Organizer (with Dr. Levent Yilmaz) of the [Track of Sessions on: Agent-directed Simulation](#)
- * **2006 September 13, Ottawa, Ontario, Canada**
[Ottawa Student Chapter](#) of [SCS](#) - [Carleton University](#)
Invited Seminar: Systems with Understanding Ability: Toward Advanced Agents
- * **2006 September 22 - October 23, Barcelona, Spain**
 University of Barcelona (Universitat Autònoma de Barcelona)
A series of [invited doctoral lectures](#) (Barcelona Lectures):
[Lecture 5](#)- Agent-directed simulation and agents with dynamic personalities
[Lecture 6](#) - Systems with understanding ability and understanding agents
- * **2006 December 18-22, Hong Kong, China**
 The 2006 IEEE/WIC/ACM International Conference on [IAT 2006](#) - Intelligent Agent Technology
Member, International Program Committee

2007

Ören, T.I., Ghasem-Aghaee, N., and L. Yilmaz (2007). [An Ontology-Based Dictionary of Understanding as a Basis for Software Agents with Understanding Abilities](#).
 Proceedings of the Spring Simulation Multiconference ([SpringSim'07](#)). Norfolk, VA, March 25-29, 2007, pp. 19-27. (ISBN: 1-56555-313-6) ([presentation](#))

Ades, M., M.J. Chinni, J. Nutaro, T. Ören, H. Rejaei, and L. Watson (eds.) Proceedings of the 2007 Spring Simulation Multiconference ([SpringSim'07](#)). Vol. 1, (Agent-Directed Simulation Symposium, DEVS Integrative M&S Symposium, High-Performance Computing Symposium). Norfolk, VA, March 25-29, 2007. (ISBN: 1-56555-313-6)

Ören, T.I, G.R. Madey, M. Sierhuis, and L. Yilmaz. [Front material](#) (including: Table of Content, Preface, Program Committee). ADS'07 (Agent-directed Simulation Symposium). in: Proceedings of the 2007 Spring Simulation Multiconference ([SpringSim'07](#)). Norfolk, VA, March 25-29, 2007. (ISBN: 1-56555-313-6)

Yilmaz, L. and Ören, T.I. (2007). [Agent-directed Simulation Systems Engineering](#).
 Proc. of the Summer Simulation Conference, pp. 897-904. San Diego, CA, July 15-18, 2007.

- Ghasem-Aghaee, N., L. PoorMohammadBagher, M. Kaedi, and T.I. **Ören**, (2007). Anger Filter in Agent Simulation of Human Behavior, ([at ACM Portal](#)) Proc. of the 18th IASTED International Conference on Modelling and Simulation, May 30 - June 1, 2007, Montreal, Quebec, Canada, pp. 44-46.
- Ghasem-Aghaee, N. and T.I. **Ören**, (2007). [Cognitive Complexity and Dynamic Personality in Agent Simulation](#), *Computers in Human Behavior* (Elsevier), Volume 23, Issue 6. (November 2007), pp. 2983 - 2997. doi: 10.1016/j.chb.2006.08.012.
- Ören**, T.I. (2007). Reliability in Agent-Directed Simulation. Proceedings of the [EMSS 2007](#) - 19th European Modelling and Simulation Symposium. Bergeggi, Italy, October, 4-6, 2007, pp. 78-86.
- * **2007 March 25-29, Norfolk, Virginia**
[ADS'07](#) - Agent-Directed Simulation ([Final Program](#))
 Part of the 2007 Spring Simulation Multiconference ([SpringSim'07](#) - [Final Program](#))
 Co-located with [SISO Spring Simulation Interoperability Workshop \(SIW\)](#)
 Sponsored by [SCS](#) -The Society for Modeling and Simulation International
 - * **2007 June 25-28, Las Vegas, Nevada, USA**
[ECM_MAI](#) 2007 - Extending Computational Cognitive Modelling to Issues of Multi-Agent Interaction. In conjunction with [ICAI'07](#) - International Conference on Artificial Intelligence
Member, Program Committee
 - * **2007 July 15-18, San Diego, CA**
[SCSC 2007](#) - Summer Computer Simulation Conference 2007
Organizer & Chair (with Dr. Levent Yilmaz) of the Track of Sessions on:
[Agent-directed Simulation](#)
 - * **2007 October 4-6, Bergeggi, Italy**
[EMSS 2007](#) - 19th European Modelling and Simulation Symposium
Chair of the Sessions:
 Agent-Directed Simulation, Emergency Simulation & Crowd Behavior

2008

- Ören**, T.I. et al. (2008) (are part of the team which edited Agent-directed Simulation Symposium (ADSS) part of the Proceedings of the Spring Simulation MultiConference (SpringSim), Ottawa, ON, Canada, April 14-17, 2008. SCS, San Diego, CA in collaboration with ACM/SIGSIM, pp. 1-176. ([SpringSim Proceedings: cover, content](#); ADSS: [Scientific Committee](#), [Table of Contents](#))
- Ören**, T.I. et al. (2008). [Preface](#), Agent-directed Simulation Symposium (ADSS) part of the Proceedings of the Spring Simulation MultiConference, Ottawa, ON, Canada, April 14-17, 2008. SCS, San Diego, CA in collaboration with ACM/SIGSIM.
- Mazadi, Z., Ghasem-Aghaee, N., and T.I. **Ören** (2008). [Prelude to Cultural Software Agents: Cultural Backgrounds in Agent Simulation](#). Proceedings of the Spring Simulation MultiConference, Ottawa, ON, Canada, April 14-17, 2008. SCS, San Diego, CA in collaboration with ACM/SIGSIM, pp. 135-142.
- Ghasem-Aghaee, N., S. Fatahi, and T.I. **Ören** (2008). [Agents with personality and emotional filters for an e-learning environment](#). Proceedings of the Spring Simulation MultiConference, Ottawa, ON, Canada, April 14-17, 2008. SCS, San Diego, CA in collaboration with ACM/SIGSIM. Article No. 5.

- * **2008 April 14-17, Ottawa, Ontario, Canada**
[ADS'08](#) - Agent-Directed Simulation ([final program](#))
 Part of the 2008 Spring Simulation Multiconference (**SpringSim'08**)
 Sponsored by **SCS** -The Society for Modeling and Simulation International
Symposium General Chair (Program Co-Chairs: Dr. Maarten Sierhuis, Dr. Gregory Madey, Dr. Levent Yilmaz, Dr. Andreas Tolk)
Poster: [Agents with Personality and Emotional Filters for an E-learning Environment](#),
 (Nasser Ghasem-Aghaee, Somayeh Fatahi and Tuncer Ören)
- * **2008 June 16-19, Edinburgh, Scotland**
SCSC 2008 - Summer Computer Simulation Conference 2008
 (within the 2008 [International Simulation Multiconference](#))
Organizer & Chair (with Dr. Levent Yilmaz) of the Track of Sessions on
[Agent-directed Simulation](#)
- * **2008 September 17-19, Campora San Giovanni, Italy**
EMSS 2008- 20th European Modeling and Simulation Symposium
 (within the **IMMM-5** - The 5th International Mediterranean and Latin American Modeling Multi-conf.)
Organizer (with Dr. Levent Yilmaz) and Chair of the **Track** on
[Agent-directed Simulation](#)
- * **2008 October 4 - October 10, Ankara, Turkey**
 ODTÜ-TSK MODSIMMER [Modeling and Simulation Research and Development Center](#)
 Under the sponsorship of [TÜBİTAK](#) (The Scientific and Technological Research Council of Turkey)
A series of invited research lectures (Ankara Lectures - The lectures are in Turkish):
 Introduction ([Giriş](#))
[Lecture 5](#)- Etmen yönlendirmeli benzetim ve insan davranışının ileri benzetim uygulamaları için dinamik kişilikli etmenler (Agent-directed simulation and agents with dynamic personalities for advanced simulation of human behavior)
[Lecture 6](#) - Anlama yetenekli dizge ve etmenlerinin temelleri ve ileri uygulamaları (Systems and agents with understanding: Foundations and advanced applications)
- * **2008 December 9-12, Sydney, Australia**
 The 2008 IEEE / WIC / ACM International Conference on
[IAT 2008](#) - Intelligent Agent Technology
Member, International Program Committee

2009

- Zhang, Y., T.I. **Ören**, L. Yilmaz, G. Madey, and M. Sierhuis (eds.) (2009). Special Issue on Agent-Directed Simulation, The International Journal of Intelligent Control and Systems (IJICS) [Vol. 14, Nb. 1](#), March 2009 (<http://www.ijics.org/>).
- Zhang, Y., T.I. **Ören**, L. Yilmaz, G. Madey, and M. Sierhuis (eds.) (2009). [Guest Editorial](#): Introduction to the Special Issue on Agent-Directed Simulation, The International Journal of Intelligent Control and Systems (IJICS), Vol. 14, Nb. 1, March 2009, 1-3.
- Ören**, T.I. and L. Yilmaz (2009). [On the Synergy of Simulation and Agents: An Innovation Paradigm Perspective](#). Special Issue on Agent-Directed Simulation. The

International Journal of Intelligent Control and Systems (IJICS), Vol. 14, Nb. 1, March 2009, 4-19.

Kazemifard, M., N. Ghasem-Aghaee, and T.I. Ören (2009). [Agents with Ability to Understand Emotions](#). In: Simulation Series, vol. 41, no. 3, Proceedings of the Summer Computer Simulation Conference, July 13-16, 2009, Istanbul, Turkey. SCS, Dan Diego, CA, pp. 254-260.

Ghasem-Aghaee, N., B. Khalesi, M. Kazemifard, and T.I. Ören (2009). Anger and Aggressive Behavior in Agent Simulation. In: Simulation Series, vol. 41, no. 3, Proceedings of the Summer Computer Simulation Conference, July 13-16, 2009, Istanbul, Turkey. SCS, Dan Diego, CA, pp. 267-274.

Ören, T.I., L. Yilmaz, M. Kazemifard, and N. Ghasem-Aghaee (2009). [Multi-understanding: A Basis for Switchable Understanding for Agents](#). In: Simulation Series, vol. 41, no. 3, Proceedings of the Summer Computer Simulation Conference, July 13-16, 2009, Istanbul, Turkey. SCS, Dan Diego, CA, pp. 395-402.

PoorMohamadBagher, L., M. Kaedi, N. Ghasem-Aghaee, and T.I. Ören (2009). Anger Evaluation for Fuzzy Agents with Dynamic Personality. In: Mathematical and Computer Modelling of Dynamical Systems (MCMDS), Vol. 15, issue 6, Dec., pp. 535-553. (DOI: 10.1080/13873950903139585. [First Published on:](#) 21 August 2009.)

Yilmaz, L. and T.I. Ören (eds.) (2009-All Chapters by Invited Contributors). [Agent-Directed Simulation and Systems Engineering](#). Wiley Series in Systems Engineering and Management, Wiley-Berlin, Germany. 520 p. ([table of contents](#)) ([at Google](#)) (also as an [e-book](#))

Yilmaz, L., T.I. Ören (2009). Preface. In L. Yilmaz and T.I. Ören (eds.). [Agent-Directed Simulation and Systems Engineering](#). Wiley Series in Systems Engineering and Management, Wiley-Berlin, Germany..

Ören, T.I. (2009). [Modeling and Simulation: A Comprehensive and Integrative View](#). In L. Yilmaz and T.I. Ören (eds.). [Agent-Directed Simulation and Systems Engineering](#). Wiley Series in Systems Engineering and Management, Wiley-Berlin, Germany, pp. 3-36.

Yilmaz, L., T.I. Ören (2009). Agent-Directed Simulation (ADS). In L. Yilmaz and T.I. Ören (eds.). [Agent-Directed Simulation and Systems Engineering](#). Wiley Series in Systems Engineering and Management, Wiley-Berlin, Germany, pp. 111-143.

Ören, T.I. and L. Yilmaz (2009). [Failure Avoidance](#) in Agent-Directed Simulation: Beyond Conventional V&V and QA. In L. Yilmaz and T.I. Ören (eds.). [Agent-Directed Simulation and Systems Engineering](#). Systems Engineering Series, Wiley-Berlin, Germany, pp. 189-217

Merkuryeva, G., J. Bikovska, and T.I. Ören (2009). An Agent-Directed Multisimulation Framework for Management Simulation Games. Proceedings of the 13M 2009 MultiConference. (21st European Modeling and Simulation Symposium.) 2009 September 23-25, Puerto de la Cruz, Tenerife, Canary Island, Spain, pp. 14-21.

* **2009 March 22-27, San Diego, CA**

[ADS'09](#) - Agent-Directed Simulation ([final program](#))

Part of the 2009 Spring Simulation Multiconference ([SpringSim'09](#))

Sponsored by [SCS](#) -The Society for Modeling and Simulation International

Symposium General Chair (Program Co-Chairs: Dr. Maarten Sierhuis, Dr. Gregory Mady, Dr. Levent Yilmaz; Publicity Chair: Dr. Yu Zhang)

- * **2009 July 13-16, Istanbul, Turkey**
[SCSC 2009](#) - Summer Computer Simulation Conference 2009 (final [program](#))
 Part of SummerSim'09 - Summer Simulation Multiconference (which is part of ISMC'09) **Organizer & Chair** (with Dr. Levent Yilmaz) of the [Agent-directed Simulation](#) Workshop
- * **2009 September 23-25, Puerto de la Cruz, Tenerife, Canary Island, Spain**
[EMSS 2009](#)- 21st European Modeling and Simulation Symposium
 (within the [IMMM-6](#) - The 6th International Mediterranean and Latin American Modeling Multi-conference)
Organizer (with Dr. Levent Yilmaz) of the **Track** on [Agent-directed Simulation](#)

2010

- Yilmaz L., **Ören**, T, Madey, G., Sierhuis, M., and Y. Zhang (2010). [Proceedings of the Agent-directed Simulation Symposium](#) (ADSS'10); CD and hard copy; part of the Spring Simulation MultiConference, Orlando, FL; SCS, San Diego, CA. (Preface).
- Yilmaz, L. and Tuncer **Ören** (2010–Invited paper). [Intelligent Agent Technologies for Advancing Simulation-based Systems Engineering via Agent-Directed Simulation](#). SCS M&S Magazine. SCS M&S Magazine, July.
- Ören**, T.I. (2010–Invited paper). Synergies of Simulation, Agents, and Systems Engineering. In (Mustafa Güneş, ed.), [Proceedings](#) of the 1st International [Symposium](#) on Computing in Science and Engineering, Kuşadası, Turkey, June 3-5, 2010, Gediz University, Turkey. pp. 33-38.
- Yilmaz, L. and Tuncer **Ören** (2010). Agent-Directed Simulation Meeting Series: A Growing Global Community. SCS M&S Newsletter, vol. 1, issue 3 (July 2010).
- Kazemifard, M., N. Ghasem-Aghaee, and T.I. **Ören** (2010). Emotive and Cognitive Simulations by Agents: Roles of Three Levels of Information Processing. Cognitive Systems Research. doi:10.1016/j.cogsys.2010.10.002. [pre publication](#). Available online 20 October 2010.
- Yu Zhang, Levent Yilmaz, Tuncer **Ören**, Gregory Madey, and Maarten Sierhuis (eds.) (2010). Agent Technologies and Systems, Special Issue: The International Journal of Agent Technologies and Systems ([IJATS](#)) by IGI Publishing, Vol. 2, No. 3; and Guest Editorial Preface – Introduction to the Special Issue on Agent-Directed Simulation.
- * **2010 April 11-15, Orlando, FL, USA**
[ADS'10](#) - Agent-Directed Simulation
 Part of the 2010 Spring Simulation Multiconference ([SpringSim](#)) ([final program](#))
 Sponsored by [SCS](#) -The Society for Modeling and Simulation International
 in collaboration with ACM/SIGSIM
Symposium General Co-chair (with Dr. Levent Yilmaz) (Program Co-Chairs: Dr. Maarten Sierhuis, Dr. Gregory Madey; Dr. Yu Zhang
 - * **2010 July 11-14, Ottawa, Ontario, Canada**
[SCSC 2010](#) - Summer Computer Simulation Conference 2010
 Part of SummerSim'10 - Summer Simulation Multiconference of [SCS](#)
 which is part of [ISMC'10](#) - 2010 International Simulation Multiconference
Co-organizer (with Dr. Levent Yilmaz) of the Track of Sessions on Agent-directed Simulation ([ADS](#))

- * **2010 October 13-15, Fes, Morocco**
[EMSS 2010](#)- 22th European Modeling and Simulation Symposium
 (within the [IMMM-7](#) - The 7th International Mediterranean and Latin American Modeling Multi-conf.). **Organizer** (with Dr. Levent Yilmaz) of the Track of Sessions on [Agent-directed Simulation](#)
- * **2010 November 3-4, Ottawa, Ontario, Canada**
 Joint Workshop on M&S in Systems Engineering for Defence Modernization
 The Technical Cooperation Program ([TTCP](#)) JSA TP4 / SISAIG & JSA TP2
Invited Plenary Presentation:
 "M&S, Systems Engineering, and Software Agents for Defence Modernization"

2011

- Kazemifard, M., N. Ghasem-Aghae, and T.I. Ören (2011). [Design and Implementation of GEmA: A Generic Emotional Agent](#). Expert Systems with Applications 38:3 (March 2011) 2640–2652. Online publication complete: 29-Sep-2010 at: <http://dx.doi.org/10.1016/j.eswa.2010.08.054>. DOI information: 10.1016/j.eswa.2010.08.054
- Ören, T.I. and L. Yilmaz (2011). [Semantic Agents with Understanding Abilities and Factors Affecting Misunderstanding](#). In: A. Elçi, M.T. Traore, and M.A. Orgun (eds.) Semantic Agent Systems: Foundations and Applications, Springer-Verlag. Pp. 295-313.
- Kazemifard, M., N. Ghasem-Aghae, B. Koenig, and T.I. Ören (2011). [Toward Effective Emotional Intelligence Simulation: Modeling Understanding Ability for Emotive Agents](#). Proc. of th International Conference of Cognitive Science (ICCS), 2011 May 10-12, Tehran, Iran, pp. 154 (abstract).
- Yilmaz, L. Ören, T.I. (eds.) (2011) Spring Simulation Multi-conference, SpringSim '11, Boston, MA, USA, April 03-07, 2011. Volume 1: [Proceedings of the 2011 Workshop on Agent-Directed Simulation](#) (ADS). [SCS/ACM 2011](#)
- * **2011 April 4-7, Boston, MA, USA**
[ADS'11](#) - Agent-Directed Simulation Symposium
 Part of the 2011 Spring Simulation Multiconference ([SpringSim'11](#))
 Sponsored by [SCS](#) -The Society for Modeling and Simulation International
Symposium General Co-chair (with Dr. Levent Yilmaz)
 (Program Co-Chairs: Dr. Maarten Sierhuis, Dr. Gregory Madey; Dr. Yu Zhang)
 - * **2011 June 27-30, The Hague, Netherlands**
[SCSC 2011](#) - Summer Computer Simulation Conference 2011
 Part of [SummerSim'11](#) - Summer Simulation Multiconference of [SCS](#)
 which is part of [ISMC'11](#) - 2011 International Simulation Multiconference
Organizer (with Dr. Levent Yilmaz) of the Track of Sessions on Agent-directed Simulation ([ADS](#))
 - * **2011 September 12-14, Rome, Italy**
[EMSS 2011](#)- 23th European Modeling and Simulation Symposium (part of the [I3M2011 MultiConference](#))
Organizer (with Dr. Levent Yilmaz) of the **Track of Sessions** on [Agent-directed Simulation](#)
 - * **2011 September 16-22, Changsha, China**

National University of Defense Technology, System Simulation Lab

Invited Seminars:

[Agents with understanding abilities](#) and ways to avoid misunderstanding

2012

- Ören, T., and Yilmaz, L. (2012). [Synergies of simulation, agents, and systems engineering](#). *Expert Systems with Applications* 39:1 (January 2012), pp. 81-88. doi:10.1016/j.eswa.2011.06.038. (Available online 6 July 2011.)
- Kazemifard, M., N. Ghasem-Aghae, and T.I. Ören (2012). [Emotive and Cognitive Simulations by Agents: Roles of Three Levels of Information Processing](#). *Cognitive Systems Research*. Vol. 13, issue 1, March 2012, pp. 24-38. doi:10.1016/j.cogsys.2010.10.002 . (pre-publication was listed as of 2010-08)
- Merkuryeva, G., J. Bikovska, and T.I. Ören (2012). [An Agent-Directed Multisimulation Framework for Simulation Games Management](#). Special issue of the *International Journal of Simulation and Process Modeling (IJSPM)*, vol. 7, no. 3, pp. 184-192.
- Ören, T.I. and L. Yilmaz (2012). Agent-monitored anticipatory multisimulation: A systems engineering approach for threat-management training. Proceedings of EMSS'12 – 24th European Modeling and Simulation Symposium, F. Breitenacker, A. Bruzzone, E. Jimenez, F. Longo, Y. Merkurjev, B. Sokolov (Eds.), September 19-21, 2012, Vienna, Austria, pp. 277.282. ISBN 978-88-97999-01-0 (Paperback), ISBN 978-88-97999-09-6 (PDF).
- Yilmaz, L. and T.I. Ören (General Chairs) (2012). [Proceedings of the 2012 Symposium on Agent Directed Simulation](#). Publication of: [SpringSim'12](#) – 2012 Spring Simulation Multiconference, Orlando, FL, USA — March 26 - 29, 2012, Society for Computer Simulation International ([SCS](#)), San Diego, CA, USA.
- Zhang, Yu, L. Yilmaz, T.I. Ören, G. Madey, and M. Sierhuis (eds.) (2012). [Special Issue](#) of Computational & Mathematical Organization Theory (CMOT) on Agent-Directed Simulation (ADS). Vol. 18, No. 4, Dec. 2012.
- Zhang, Yu, L. Yilmaz, T.I. Ören, G. Madey, and M. Sierhuis (2012). [Preface](#) of the Special Issue of Computational & Mathematical Organization Theory (CMOT) on Agent-Directed Simulation (ADS). Vol. 18, No. 4, Dec. 2012, pp. 375-379.
- * **2012 March 26-29, Orlando, FL, USA**
[ADS'12](#) - Agent-Directed Simulation Symposium
 Part of the 2012 Spring Simulation Multiconference (SpringSim'12)
 Sponsored by [SCS](#) -The Society for Modeling and Simulation International
Symposium General Co-chair (with Dr. Levent Yilmaz)
 (Program Co-Chairs: Dr. Maarten Sierhuis, Dr. Gregory Madey; Dr. Yu Zhang)
 - * **2012 July 8-11, Genoa, Italy**
Organizer (with Dr. Levent Yilmaz) of the Track of Sessions on [Agent-directed Simulation](#) (ADS)
Co-chairs: Dr. Gregory Madey, Dr. Maarten Sierhuis, and Dr. Yu Zhang
 - * **2012 September 19-21, Vienna, Austria**
[EMSS 2012](#)- 24th European Modeling and Simulation Symposium (Simulation in Industry) (part of the [I3M 2012](#) (The 9th International Mediterranean and Latin American Modelling Multiconference))

Organizer (with Dr. Levent Yilmaz) of the Track of Sessions on [Agent-directed Simulation](#) (ADS)

2013

Kazemifard, M., Ghasem-Aghaei, N., Koenig, B.L. and T.I. **Ören** (2013). [An Emotion Understanding Framework for Intelligent Agents based on Episodic and Semantic Memories](#). Journal of Autonomous Agents and Multi-Agent Systems. (DOI) [10.1007/s10458-012-9214-9](#) ([Online first articles](#))

Yilmaz, L., T. **Ören**, Yu Zhan, G. Madey, and M. Sierhuis (Eds.) (2013). [Proceedings of the 2013 Symposium on Agent Directed Simulation](#). Publication of: SpringSim'13 – 2013 Spring Simulation Multiconference, Orlando, FL, USA — April 7-10, 2013, Society for Computer Simulation International (SCS), San Diego, CA, USA.

Kazemifard, M. and T.I. **Ören** (2013). Toward Agents with Switchable Emotion Understanding Ability. (extended abstract). [ICCS 2013](#) - Fifth International Conference of Cognitive Science, May 7-9, Tehran, Iran. Special Issue, Archives of Iranian Medicine and the ICCS 2013 Abstract Book.

Ören, T.I., Kazemifard, M., Yilmaz, L. (2013). Machine understanding and avoidance of misunderstanding in agent-directed simulation and in emotional intelligence. Proceedings of SIMULTECH 2013, 3rd International Conference on Simulation and Modeling Methodologies, Technologies and Applications. July 29-31, Reykjavik, Iceland. Pp. 318-327.

- * **2013 April 7-10, San Diego, CA, USA**
[ADS'13](#) - Agent-Directed Simulation Symposium
 Part of the 2013 Spring Simulation Multiconference ([SpringSim'13](#))
 Sponsored by [SCS](#) -The Society for Modeling and Simulation International
Symposium General Co-chair (with Dr. Levent Yilmaz, General Chair)
 (Program Co-Chairs: Dr. Maarten Sierhuis, Dr. Gregory Madey; Dr. Yu Zhang)
- * **May 7-9, Tehran, Iran**
 ICCS 2013 - Fifth International Conference of Cognitive Science Presentation
 (with Dr. Mohammad Kazemifard) on: "Toward Agents with Switchable Emotion Understanding Ability"
- * **2013 July 7-10, Toronto, ON, Canada**
 SCSC 2013 - Summer Computer Simulation Conference 2013
 Part of [SummerSim'13](#) - Summer Simulation Multiconference of SCS
Co-organizer (with Dr. Levent Yilmaz) of the Track of Sessions on Agent-directed Simulation (ADS)
- * **2013 September 25-27, Athens, Greece**
[EMSS 2013](#)- 25th European Modeling and Simulation Symposium (Simulation in Industry) (part of the [I3M 2013](#) (The 10th International Mediterranean and Latin American Modelling Multiconference)
Organizer (with Dr. Levent Yilmaz) of the Track of Sessions on Agent-directed Simulation ([ADS](#))
- * **October 14-18, Beijing, China**
 10th Academic Forum for Graduate Students at Beihang University • Invited talk: Agent-Directed Simulation and Systems Engineering

2014

- Kazemifard, M., Ghasem-Aghaee, N., Koenig, B.L. and T.I. **Ören** (2014). An Emotion Understanding Framework for Intelligent Agents based on Episodic and Semantic Memories. *Journal of Autonomous Agents and Multi-Agent Systems*. January 2014, Volume 28, Issue 1, pp 126-153. (DOI) 10.1007/s10458-012-9214-9
- Ören**, T.I., L. Yilmaz and N. Ghasem-Aghaee (2014). A Systematic View of Agent Supported Simulation: Past, Present, and Promising Future. In: Mohammad S. Obaidat, Janusz Kacprzyk and Tuncer Ören (eds.) *Proceedings of the 4th International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH'14)*, Vienna, Austria, 28-30 August, 2014, pp. 497-506. (paper nr: 150). Printed in Portugal, ISBN: 978- 989-758-038-3.
- Yilmaz, L., T. **Ören**, G. Madey, M. Sierhuis and Yu Zhan (Eds.) (2014). *Agent Directed Simulation. Proceedings of the 2014 Symposium on Agent Directed Simulation at the SpringSim'14 – 2014 Spring Simulation Multiconference (SpringSim'14)*, Tampa, FL, USA — April 13-16, 2014. Simulation Series Volume 46 Number 1 (ISBN: 978-1-62993-946-9), Society for Computer Simulation International (SCS), San Diego, CA, USA.
- * **2014 April 13-16, Tampa, FL, USA**
[ADS'14](#) - Agent-Directed Simulation Symposium
 Part of the 2014 Spring Simulation Multiconference ([SpringSim'14](#))
 Sponsored by [SCS](#) -The Society for Modeling and Simulation International
Symposium General Co-chair (with Dr. Levent Yilmaz, General Chair)
 (Program Chair: Dr. Gregory Madey;
 Program Co-Chairs: Dr. Maarten Sierhuis, Dr. Yu Zhang)
 - * **2014 July 6-19, Monterey, CA**
 SCSC 2014 - Summer Computer Simulation Conference 2014
 Part of [SummerSim'14](#) - Summer Simulation Multiconference of SCS
Co-organizer (with Dr. Levent Yilmaz) of the Track of Sessions on Agent-directed Simulation (ADS)
 - * **2014 August 28-30, Vienna, Austria**
[SIMULTECH 2014](#) – 4th International Conference on Simulation and Modeling Methodologies, Technologies and Applications
Chair (with Drs. Levent Yilmaz and Yu Zhang): Special Session on Agent-Directed Simulation - ADS 2014
 - * **September 10-12, Bordeaux, France**
 EMSS 2014 - 26th European Modeling and Simulation Symposium (Simulation in Industry) (part of the I3M 2014 - The 11th International Mediterranean and Latin American Modelling Multiconference) • Member International Program Committee • Organizer (with Dr. Levent Yilmaz) the Track of Sessions on Agent-directed Simulation (ADS)

2015

Ören, T.I., L. Yilmaz (2015, Invited article). [Awareness-based couplings of intelligent agents and other advanced coupling concepts for M&S](#). Proceedings of the 5th International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH'15), Colmar, France, July 21-23, 2015, pp. 3-12.

Ören, T.I., M. Kazemifard, and F. Noori (2015-Feature article). [Agents with four categories of understanding abilities and their role in two-stage \(deep\) emotional intelligence simulation](#). International Journal of Modeling, Simulation, and Scientific Computing (IJMSSC), vol. 6, issue 3 (September), pp: 1-16, DOI: 10.1142/S1793962315400036.

Yilmaz, L., T. **Ören**, G. Madey, M. Sierhuis, and Y. Zhang. (2015). Proceedings of the Symposium on Agent-Directed Simulation, SpringSim'15 - 2015 Spring Simulation Multiconference, Alexandria, VA, USA, April 12 - 15, 2015, SCSi, San Diego, CA.

* **2015 April 12-15, Alexandria, VA, USA**

ADS'15 - Agent-Directed Simulation Symposium Part of the 2015 Spring Simulation Multiconference (SpringSim'15) • Symposium General Co-chair (with Dr. Levent Yilmaz, General Chair) (Program Chair: Dr. Gregory Madey; Program Co-Chairs: Dr. Maarten Sierhuis, Dr. Yu Zhang)

* **2015 July 26-29, Chicago, IL, USA**

SCSC 2015 - Summer Computer Simulation Conference 2015 Part of SummerSim'15 - Summer Simulation Multiconference of SCS • Track of Sessions on Agent-directed Simulation (ADS) Track General Co-chair (with Dr. Levent Yilmaz, Chair) (Program Chair: Dr. Gregory Madey; Program Co-Chairs: Dr. Yu Zhang, Dr. Maarten Sierhuis)

* **September 21-23, Bergoggi, Italy**

EMSS 2015 - 27th European Modeling and Simulation Symposium (Simulation in Industry) (part of the I3M 2015 - The 12th International Mediterranean and Latin American Modelling Multiconference) • Organizer (with Dr. Levent Yilmaz) the Track of Sessions on Agent-directed Simulation (ADS)

2016

Ören, T., L. Yilmaz, N. Ghasem-Aghaee, M. Kazemifard, and F. Noori (2016 - Keynote article - In Preparation). Machine Understanding in Agent-Directed Simulation: State-of-the-art and Research Directions. Proceedings of 2016 Modeling and Simulation of Complexity in Intelligent, Adaptive and Autonomous Systems (MSCIAAS) Symposium, April 3-6, Pasadena, CA.

Ören, T., L. Yilmaz (2016 - In Preparation): "Ethics, Autonomy and Cooperation of Agents as Reliability Issues in the Age of the Connected World and Superintelligence." (Invited ebook chapter), Faria Nassiri Mofakham (ed.) Frontiers in Artificial Intelligence - Intelligent Computational Systems. Bentham Science Publishers.

Ören, T., L. Yilmaz, N. Ghasem-Aghaee, M. Kazemifard, and F. Noori (2016 - Keynote article - In Preparation). Machine Understanding in Agent-Directed Simulation: State-of-the-art and Research Directions. Proceedings of 2016 Modeling and

Simulation of Complexity in Intelligent, Adaptive and Autonomous Systems (MSCIAAS) Symposium, April 3-6, Pasadena, CA.

Ören, T.I., Yilmaz, L., Zhang, Y. (Guest editors) (2015-In Preparation). Special Section of International Journal of Modeling, Simulation, and Scientific Computing (IJMSSC) (of the Chinese Association for System Simulation - CASS) by the World Scientific Publishing Co. China.

- * **April 3-6, Pasadena, CA**
Agent-Directed Simulation Symposium (ADS'16) Part of the 2016 Spring Simulation Multiconference (SpringSim'16) • Symposium General Co-chair (with Dr. Levent Yilmaz, General Chair) (Program Chairs: Dr. Gregory Madey; Dr. Maarten Sierhuis, Dr. Yu Zhang)
- * **April 3-6, Pasadena, CA**
2016 Modeling and Simulation of Complexity in Intelligent, Adaptive and Autonomous Systems (MSCIAAS) Symposium Part of the 2016 Spring Simulation Multiconference (SpringSim'16) • • Member: Steering and Advisory Committee Keynote article (with Dr. M. Kazemifard, Dr. L. Yilmaz, and Ms. F. Noori): "Machine understanding in agent-directed simulation: State-of-the-art and research directions."
- * **July 24-27, Montréal, Québec, Canada**
SummerSim'16 – Summer Simulation Multi-Conference • Track of Sessions on Agent-directed Simulation (ADS) Track General Co-chair (with Dr. Levent Yilmaz, Chair)
- * **September, Cyprus**
The 28th EMSS'16 (The 28th European Modeling & Simulation Symposium) • Track of Sessions on Agent-directed Simulation (ADS) Track Chair (with Dr. Levent Yilmaz)
- * **October, Beijing, China**
16th Asia Simulation Conference on Modeling and Simulation (AsiaSim 2016) & 2016 Autumn Simulation Multi-Conference (SCS AutumnSim'16)
Member of the International Program Committee Track of Sessions on Agent-directed Simulation (ADS)
Track Co-chair (with Dr. Levent Yilmaz, Chair; and Dr. Yu Zhang, Track Co-chair)