

updated: 2022-10-01

**Publications, Presentations and Other Activities of Dr. Tuncer Ören on:
Synergies of Artificial Intelligence and Cybernetics with Simulation and Software Engineering**

See also Publications and Presentations of Dr. Tuncer Ören on:

- [Agent-Directed Simulation](#)
- [Cognitive and Emotive Simulations](#): Personality, Perception, Anticipation, Emotions
- [Quality assurance](#)
- [Understanding](#)

Some statistics:

(58 publications and 39 presentations in over 30 cities in 14 countries: Austria, Canada, China, Czechoslovakia, Denmark, France, Germany, Holland, Hungary, Iran, Japan, Norway, Turkey, and USA)

		0	1	2	3	4	5	6	7	8	9	totals	
1970s	publications									2		2	
	presentations												
1980s	publications		1	1		1	2	11	10	3	8	37	
	presentations	1			1	2	3	2	2	4	4		19
1990s	publications	9		1		2	1	2				15	
	presentations	2	8				1	1	1	1	2		16
2000s	publications									1		1	
	presentations						1						1
2010s	publications		1		3	1	2	1	2	1		11	
	presentations						2	1	1				4
2020s	publications			2								2	
	presentations												
											68	40	
											108		

1978

Ören, T.I. (ed.) (1978). Cybernetics & Modelling & Simulation of Large-Scale Systems. International Association for Cybernetics, Namur, Belgium, 191 p.

Ören, T.I. (1978). Rationale for Large Scale Systems Simulation Software based on Cybernetics and General Systems Theories. In: Cybernetics and Modelling and Simulation Large Scale Systems, T.I. Ören (ed.). International Association for Cybernetics, Namur, Belgium, pp. 151-179.

1980

- 1980 September 10, Namur, Belgium
Organizer and Program Chairman of the Symposium: "CYBERSOFT 80 - Cybernetics and Software" held within the 9th International Congress of the International Association for Cybernetics
Editor of the Proceedings of the Symposium

1981

- Ören**, T.I. (ed.) (1981). Proceedings of CYBERSOFT 80 – International Symposium on Cybernetics and Software. Sept. 9, 1980, Namur, Belgium International Association for Cybernetics, Namur, Belgium, 329 p.

1982

- Ören**, T.I. (1982). Promising Synergies of Simulation Model Management, Software Engineering, Artificial Intelligence, and General System Theories. In: General Systems, Vol. 26, R.K. Ragade (ed.), pp. 203-209. Also published in: Proceedings of the 26th Annual Conference of the Society for General Systems Research, Vol. 1, pp. 197-204.

1983

- 1983 April 26-27, Rochester, Michigan, USA
 Conference on Artificial Intelligence
 Center for Robotics and Advanced Automation, Oakland University
 In Cooperation with US Army Material Systems Analysis Activity Aberdeen P.G.
Invited Presentation: Synergy of Artificial Intelligence, Modelling and Simulation

1984

- Ören**, T.I. (1984). Directions for the Future of Modelling and Simulation: A Normative View. International Journal of Systems Analysis, Modelling, Simulation, 1:4, 293-306.

- 1984 June 12-15, Trondheim, Norway
 Statoil
Invited 8 Seminars:
 - Artificial Intelligence in Modelling, Simulation, and Simulation Software
- 1984 June 17-21, Copenhagen, Denmark
 International Meeting of TIMS
Invited Presentation: Artificial Intelligence in Modelling, Simulation, and Simulation Software

1985

- Ören**, T.I., Aytac, K.Z. (1985). Architecture of MAGEST: A Knowledge-Based Modelling and Simulation System. In: Simulation in Research and Development, A. Javor (ed.), North-Holland, Amsterdam, pp. 99-109.

- Ören**, T.I. (1985). Intelligence in Simulation - Editorial. ACM Simuletter, 16:1, 2.

- 1985 April 24, Vienna, Austria
 Austrian Cybernetics Society
Invited Lecture: The Many Facets of Simulation:
 A Taxonomy of Traditional and Artificial Intelligence Aspects
- 1985 June 3, Laxenburg, Austria - IIASA
 Seminar: The Many Facets of Simulation:
 A Taxonomy of Traditional and Artificial Intelligence Aspects

- 1985 July 1-5, Papendal, Arnhem, The Netherlands
Working Conference: Knowledge-Based Modelling and Simulation Methodologies
Sponsors: SAHR, North Holland
Associate Director of the Conference
Co-editor of the Proceedings
Chairman of the Sessions:
 - Expert Systems Storage and Representation
 - Expert Systems and Organizational Models**Member of the Closing Panel on:**
 - Future Prospects for Artificial Intelligence in Simulation
- 1985 November 20-21, Tucson, Arizona
Workshop on Expert Systems and Simulation Models
Moderator of the Workshop
Presentation: Artificial Intelligence and Simulation: Dimensions to Explore

1986

- Elzas, M.S., **Ören**, T.I., Zeigler, B.P. (eds.) (1986). Modelling and Simulation Methodology in the Artificial Intelligence Era. North-Holland, Amsterdam, 423 p.
- Ören**, T.I. (1986). Implications of Machine Learning in Simulation. In: Modelling and Simulation Methodology in the Artificial Intelligence Era, M.S. Elzas, T.I. Ören, B.P. Zeigler (eds.), North-Holland, Amsterdam, pp. 41-57.
- Ören**, T.I. (1986). Artificial Intelligence in Quality Assurance of Simulation Studies. In: Modelling and Simulation Methodology in the Artificial Intelligence Era, M.S. Elzas, T.I. Ören, B.P. Zeigler (eds.), North-Holland, Amsterdam, pp. 267-278.
- Aytaç K.Z., **Ören**, T.I. (1986). MAGEST: A Model-Based Advisor and Certifier for GEST Programs. In: Modelling and Simulation Methodology in the Artificial Intelligence Era, M.S. Elzas, T.I. Ören, B.P. Zeigler (eds.), North-Holland, Amsterdam, pp. 299-307.
- Ören**, T.I. (1986). Knowledge Bases for an Advanced Simulation Environment. In: Intelligent Simulation Environments, P.A. Luker, H.H. Adelsberger (eds.), Proceedings of SCS Conference on Intelligent Simulation Environments, San Diego, CA, 1986 Jan. 23-25, pp. 16-22. (Reprinted in: Proc. of the 2nd National (Turkey) Symposium on Computer-Aided Design, B. Kuryel (ed.), Univ. of Ege, Bornova, Izmir, Turkey, pp. 17-23.
- Ören**, T.I. (1986). Artificial Intelligence and Simulation. In: Artificial Intelligence Applied to Simulation, E.J.H. Kerckhoffs, G.C. Vansteenkiste, B.P. Zeigler (eds.), (Proceedings of a Conference held in Ghent, Belgium, 1985 Feb. 25-27) SCS, San Diego, CA, pp. 3-8. (Chinese translation appeared in: Artificial Intelligence and Simulation, G. Xiong, B-H. Li, Z-Z. Wan (eds.). (Special issue of Computer Engineering and Design, 1987, Aug., pp. 1-7).
- Ören**, T.I. (1986). Software Requirements of Knowledge Bases of an Advanced Simulation Environment. In: Proceedings of JSST (Japan Society for Simulation Technology) Conference on Recent Advances in Simulation of Complex Systems, Tokyo, Japan, July 15-17, 1986, pp. 35-38.
- Ören**, T.I., Zeigler, B.P. (1986). From Stone Tools to Cognizant Tools: The Quest Continues. In: Proceedings of 2nd European Simulation Congress, Antwerp, Belgium, September 9-12, 1986, G.C. Vansteenkiste, E.J.H. Kerckhoffs, L. Dekker, J.C. Zuidervaart (eds.), SCS, San Diego, CA, pp. 801-807.
- Ören**, T.I. (1986). Quality Assurance in Cognizant Simulative Design. Proceedings of 1986 Winter Simulation Conference, Washington, D.C., 1986, Dec. 8-10, pp. 850-852. ([ACM Portal](#))

Zeigler, B.P., **Ören**, T.I. (1986). Multifaceted, Multiparadigm Modelling Perspectives: Tools for the 90's. In: Proceedings of 1986 Winter Simulation Conference, Washington, D.C., 1986 Dec. 8-10, pp. 708-712. ([ACM Portal](#))

Ören, T.I. (1986). Traditional and Cognizant Simulation and Other Model-Based Activities: An Integrative View. Technical Report TR-86-19, Computer Science Department, University of Ottawa, Ottawa, Ontario, Canada.

- 1986 July 15-17, Tokyo, Japan
Conference on Recent Advances in Simulation of Complex Systems
Chairman of the Session: Artificial Intelligence
Member of the Panel Session on Artificial Intelligence
- 1986 August 11, Philadelphia, Pennsylvania
Workshop on AI and Simulation, in conjunction with AAAI-86
(5th National Conference on Artificial Intelligence)
Discussant in the Panel on:
- Artificial Intelligence and Simulation - The State-of-the-Art and Future Directions

1987

Ören, T.I., Zeigler, B.P. (1987). Artificial Intelligence in Modelling and Simulation: Directions to Explore. *Simulation*, 48:4 (April), 131-134.

Ören, T.I. (1987). Artificial Intelligence and Simulation: From Cognitive Simulation Toward Cognizant Simulation. *Simulation* 48:4 (April), 129-130.

Ören, T.I. (1987). Quality Assurance Paradigms for Artificial Intelligence in Modelling and Simulation. *Simulation*, 48:4 (April), 149-151.

Ören, T.I. (1987). Artificial Intelligence in Simulation (Plenary Paper). In: Proceedings of Measurement, Modelling, and Evaluation of Computer Systems, Erlangen, W. Germany, September 29 - October 1, 1987, pp. 375-388.

Ören, T.I. (1987). Cognizant Simulation Systems. In: Knowledge-Based Simulation and Modelling: AI and Simulation, B.P. Zeigler (ed.). Lecture Notes of the Professional Development Seminar, The University of Arizona, Tucson, Arizona, January 19-20, 1987.

Ören, T.I. (1987). Artificial Intelligence and Quality Assurance Methodology. In: Knowledge-Based Simulation and Modelling: AI and Simulation, B.P. Zeigler (ed.). Lecture Notes of the Professional Development Seminar, The University of Arizona, Tucson, Arizona, January 19-20, 1987.

Zeigler, B.P. **Ören**, T.I. (eds.) (1987). Intelligent Environments and Goal-Directed Models. Preprints of the 4th International Symposium on Modelling and Simulation Methodology, Tucson, Arizona, January 21-23, 1987, Special Professional Education, The University of Arizona, Tucson, Arizona.

Ören, T.I. (1987). Bases for Advanced Simulation: Paradigms for the Future. In: B.P. Zeigler, T.I. Ören, Intelligent Environments and Goal-Directed Models. Preprints of the 4th International Symposium on Modelling and Simulation Methodology, Tucson, Arizona, January 21-23, 1987, Special Professional Education, The University of Arizona, Tucson, Arizona.

Ören, T.I. (1987). Metamodels for Cognizant Simulative Design Systems. In: Proceedings of the 31st Annual Meeting of the International Society for General Systems Research, Budapest, Hungary, 1987 June 1-5, pp. 874-879.

Ören, T.I. (1987). Traditional and Cognizant Simulation and other Model-Based Activities: An Integrative View. In: Preprints of the 1st International Conference on Statistical Computing, Dudewicz, E. et al. (eds.), Univ. of Ege, Bornova, Izmir, Turkey, pp. 395-422.

- 1987 July 27-30, Montreal, PQ, Canada
Summer Computer Simulation Conference - Sponsor: SCS
Member of the Panel on: New Directions in Simulation and Artificial Intelligence
- 1987 September 28 - October 1, Erlangen, W. Germany
4th GI/NTG Conf. on Measurement Modelling and Evaluation of Computer Systems
Organized by the Joint Special Interest Group of:
 - Committee 3 of GI (Gesellschaft für Informatik)
 - Committee 4 of NTG (Nachrichtentechnische Gesellschaft)**Invited Paper:** Artificial Intelligence in Simulation

1888

- Ören**, T.I., Tam, J. (1988). An Expert Modelling and Simulation System on Sun Workstation. In: R.C. Huntsinger et al. (eds.), *Simulation Environments and Symbol and Number Processing on Multi and Array Processors*, SCS International, San Diego, CA, pp. 255-260.
- Ören**, T.I., Sheng, G. (1988). Semantic Rules and Facts for an Expert Modelling and Simulation System, In: *Proceedings of the 12th IMACS World Congress, Paris, France, July 18-22, 1988, Vol. 2*, 596-598.
- Ören**, T.I. (1988). Bases for Advanced Simulation: Paradigms for the Future. Technical Report TR-88-26, Computer Science Department, University of Ottawa, Ottawa, Ontario. (Preprint 1989-02).
- 1988 June 6-10, Nice, France
European Simulation Multiconference, Sponsor: SCS
Paper (with J. Tam): An Expert Modelling and Simulation System on Sun Workstation
 - 1988 June 29 – July 21 Beijing and Xian, China
Invited Lecture Tour under the joint sponsorships of:
 - The Beijing Institute of Aeronautics and Astronautics and
 - The Beijing Institute for Computer Applications and Simulation Technology**Invited Lectures:**
 - Artificial Intelligence in Modelling and Simulation
 - 1988 July 18-22, Paris, France
12th IMACS World Congress
Paper (with Grant Sheng): Semantic Rules and Facts for an Expert Modelling and Simulation
 - 1988 July 25-27, Seattle, Washington
Summer Computer Simulation Conference, Sponsor: SCS
Invited Presentation (Plenary Session): Quality Assurance in the Artificial Intelligence Era
(Reviewed in *Simulation* 51:5 (Nov.), 207).

1989

- Elzas, M.S., **Ören**, T.I., Zeigler, B.P. (eds.) (1989). *Modelling and Simulation Methodology: Knowledge Systems' Paradigms*, North-Holland, Amsterdam, 487 p.
- Ören**, T.I. (1989). Bases for Advanced Simulation: Paradigms for the Future (Keynote Paper). In: *Modelling and Simulation Methodology: Knowledge Systems' Paradigms*, M.S. Elzas, T.I. Ören, B.P. Zeigler (eds.), North-Holland, Amsterdam, pp. 29-43.
- Ören**, T.I. (1989). Quality Assurance, Artificial Intelligence, and Computer-Aided Systems Theory. In: *Eurocast '89, International Workshop on Computer Aided Systems Theory, Las Palmas, Grand Canaria, Canary Islands (Spain), Feb. 26-March 3, 1989*, pp. 336-344.

- Ören**, T.I. (1989). Dynamic Templates and Semantic Rules for Simulation Advisors and Certifiers. Technical Report TR-89-10, Computer Science Department, University of Ottawa, Ottawa, Ontario. (Preprint of 1991-01).
- Ören**, T.I., Wendt, N.R. (1989). Knowledge Base of SunS: Slam II Understanding System. Technical Report (Prepared for Bell Canada). Computer Science Department, University of Ottawa, Ottawa, Ontario.
- Ören**, T.I., King, D.G., Birta, L.G., Wendt, R.N., Asikhan, N. (1989). E/Slam: A Program Elucidation System for Slam II on a Sun Workstation. Technical Report TR-89-53 (Prepared for Bell Canada). Computer Science Department, University of Ottawa, Ottawa, Ontario.
- Wendt, R.N., **Ören**, T.I., Birta, L.G. (1989). Knowledge Base for Slam II Understanding System, Volume 1 - Templates. Technical Report TR-89-54 (Prepared for Bell Canada). Computer Science Department, University of Ottawa, Ottawa, Ontario.
- Rozenblit, J.W., Fishwick, P.A., Modjeski, R.B., Zeigler, B.P., Nielsen, N.R., **Ören**, T.I. (eds.) (1989). Proceedings of the Fourth Artificial Intelligence and Simulation Workshop. IJCAI - 89 Conference, August 21, 1989, Detroit, Michigan. American Association for Artificial Intelligence, Menlo Park, CA.
- 1989 June 21, Prague, Czechoslovakia
Charles University, Computer Science Department
Invited Seminars on:
- Artificial Intelligence in Modelling and Simulation
- Simulation Quality Assurance in the Artificial Intelligence Era
 - 1989 July 3, Bornova, Izmir, Turkey
Ege University, Department of Computer Engineering
Invited Seminar: Yazılımda Yapay Zekâ (In Turkish - Artificial Intelligence in Software Engineering)
 - 1989 August 21, Detroit, Michigan
Fourth Artificial Intelligence and Simulation Workshop
Within IJCAI-11: The 11th International Joint Conference on Artificial Intelligence
Member of the Panel of the Workshop
 - 1989 December 4-6, Washington, D.C.
Winter Simulation Conference
Sponsors: ASA, ACM SIGSIM, IEEE SMCS, IEEE CS, IIE, NIST, ORSA, TIMS CS, SCS
Chairman of the Session on: Combined Techniques of Artificial Intelligence in Systems Analysis
- 1990**
- Ören**, T.I. (ed.) (1990). [Advances in Artificial Intelligence in Software Engineering](#) - Vol. 1, JAI Press, Greenwich, Connecticut, 332 p.
- Ören**, T.I. (1990). A Paradigm for Artificial Intelligence in Software Engineering. In: Advances in Artificial Intelligence in Software Engineering - Vol. 1, T.I. Ören (ed.), JAI Press, Greenwich, Connecticut, pp. 1-55.
- Ören**, T.I. (1990). Artificial Intelligence and Quality Assurance in Computer-Aided Systems Theory. In: Advances in Computer-Aided Systems Theory - Eurocast '89. F. Pichler, R. Moreno-Diaz (Eds). Springer-Verlag, Berlin, Heidelberg, New York, pp. 336-344.
- Webster, W., Arnovick, G., Hammond, R., **Ören**, T.I., Pagdett, M.L., Sarchet, M. (1990). Integrated Computer Aided Software Engineering (CASE) Environments for Simulation (Panel Discussion). In: AI and Simulation: Theory and Applications, W. Webster and R. Uttamsingh (eds.), Simulation Series 22:3 (April). SCSC, San Diego, CA.

- Ören**, T.I. (1970). Artificial Intelligence in Software Engineering. In: Proceedings of CIPS/CATA Conference, R.S. Marsh and M.F. Laughton (eds.), Ottawa, Ont., Canada, May 16-18, 1990. CIPS (Canadian Information Processing Society), Toronto, On., Canada, pp. 377-385.
- Ören**, T.I., Birta, L.G., Abou-Rabia, O., King, D.G., Wendt, R.N. (1990). E/Slam: A Software Understanding Environment for SLAM II Programs. In: Proceedings of European Simulation Multiconference, Erlangen-Nuremberg, Germany, June 10-13, 1990, SCS International, San Diego, CA, pp. 235-240.
- Ören**, T.I., Abou-Rabia, O., King, D.G., Birta, L.G., Wendt, R.N. (1990) (Plenary Paper). Reverse Engineering in Simulation Program Understanding. In: Problem Solving by Simulation, A. Jávör (ed.) Proceedings of IMACS European Simulation Meeting, Esztergom, Hungary, August 28-30, 1990, pp. 35-41.
- Wendt, R.N., **Ören**, T.I., Birta, L.G. (1990). Knowledge Base for Slam II Understanding System, Volume 2 - Rule Base. Technical Report (Prepared for Bell Canada). Computer Science Department, University of Ottawa, Ottawa, Ontario.
- Ören**, T.I., Wendt, N.R., Abou-Rabia, O., King, D.G., Birta, L.G. (1990). A Reverse Engineering Application for Simulation Program Understanding. In: Proceedings of the Bell Canada Quality Engineering Workshop II, Montreal, PQ, October 4-5, 1990. (Participation by invitation).
- 1990 January 17-19, San Diego, CA
Simulation and Artificial Intelligence (Western Simulation Multiconference) (Sponsor: SCS)
Member of the Panel on: CASE Tools to Support Modelling and Simulation
 - 1990 Nov. 7, Ankara, Turkey
"Information Age" Seminar (Under the auspices of the Turkish Ministry of Culture) TC Milli Eğitim Bakanlığı
Invited Seminar: Yazılımda Yapay Zekâ (In Turkish - Artificial Intelligence in Software)

1991

- 1991 April 1-5, New Orleans, Louisiana
Artificial Intelligence and Simulation Conference, The Society for Computer Simulation
Invited Tutorial: Quality Assurance of Expert Systems and Knowledge-based Systems
- 1991 June 3 - June 14, Istanbul, Turkey
Technical University of Istanbul (ITU)
Under the auspices of the United Nations TOKTEN Program
Invited six Seminars (in Turkish) on
 - Artificial Intelligence in Software Engineering
 - Machine Learning
 - Program Understanding Systems and Automatic Documentation of Programs in Natural Language
 - Object-Oriented Design and Programming:
A Methodology and a Computer-Aided Software Engineering Environment
 - Quality Assurance in Simulation and Expert Systems
 - Artificial Intelligence in Software Engineering Education
- 1991 December 2-4, Istanbul, Turkey
Symposium: Computer Applications in Industry and Automation II
Istanbul Technical University (ITU)
Under the auspices of the Turkish Ministry of Industry and Trade
Invited Presentations: - Artificial Intelligence and its Applications in Industry (In Turkish)

1992

Ören, T.I. (1992). Artificial Intelligence and Simulation. Technical Report TR-92-45. Computer Science Department, University of Ottawa, Ottawa, Ontario.

1994

Kaylan, A.R., Lehmann, A., **Ören**, T.I. (eds.) (1994). Proc. of the European Simulation Symposium, Oct. 9-12, 1994, Istanbul, Turkey. Society for Computer Simulation International, San Diego, CA. Vol. 1: Advances in Simulation Methodology and Practices, Artificial Intelligence in Simulation, 359 p.

Ören, T.I. (1994). Artificial Intelligence and Simulation. Annals of Operations Research, vol. 53. pp. 287-319.

1995

Ören, T.I. (1995 - Invited Opening Speech). Artificial Intelligence and Simulation: A Typology. In: Proceedings of the 3rd Conference on Computer Simulation, S. Raczynski (ed.), Mexico City, Nov. 15-17, pp. 1-5.

- 1995 July 24-26, Ottawa, Ontario
Summer Computer Simulation Conference,
Sponsor: The Society for Computer Simulation International (SCSI)
Organizer and Moderator of the Panel on: Synergy of Artificial Intelligence and Simulation: Recent Advances and Promising Research Areas

1996

Ören, T.I. et al. (ed.) (1996). Synergy of Artificial Intelligence and Simulation: Recent Advances and Promising Research Areas. In: Proceedings of 1996 Summer Computer Simulation Conf., Portland, Oregon, July 21-25, SCS, San Diego, CA., pp. 596-601.

Ören, T.I. (1996). Towards Simulative and Intelligent Problem Solving Environments (Position Statement at a Panel on: Synergy of Artificial Intelligence and Simulation). In: Proceedings of 1996 Summer Computer Simulation Conf., Portland, Oregon, July 21-25, SCS, San Diego, CA., p. 596.

- 1996 June 3-6, Budapest, Hungary
Simulation Methodology and Artificial Intelligence Conference
(as part of the SCS European Multiconference)
Member of the International Program Committee

1997

- 1997 June 5-6, Rouen, France
MOSIM'97: Systèmes de productions et de logistique
(Premiere conference francophone de modelisation et de simulation)
Sponsors: AFCET, FRANCOSIM, SCS
Invited Plenary Presentation: Intelligence artificielle et simulation

1998

- 1998 November 9, Görükle, Bursa, Turkey
Uludag University, Faculty of Education, Dept. of Computer and Education Technologies
Invited Seminar:
- Simulation and Artificial Intelligence (In Turkish)

1999

- 1999 July 4-9, Schloss Dagstuhl, Germany
Agent-Oriented Approaches in Distributed Modelling and Simulation: Challenges and Methodologies
<http://www.dagstuhl.de/DATA/Participants/99271.html>
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)

2005

- 2005 November 28 - December 1, Orlando, Florida
I/ITSEC - Interservice/Industry Training, Simulation Conference
Member of the Panel on: Artificial Intelligence, Intelligent Agents and Game Technology
([Position Statement](#))

2008

Yilmaz, L., T.I. **Ören** and P. Thavikulwat (eds.) (2008). Intelligent Agents, Artificial Intelligence, and Simulation Gaming. Special Issue of the Journal: [Simulation & Gaming](#). ([Call for Papers](#)). Preface.

2010

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.

2011

Kazemifard, M., N. Ghasem-Aghaee, B. Koenig, and T.I. **Ören** (2011). Toward Effective Emotional Intelligence Simulation: Modeling Understanding Ability for Emotive Agents. Proc. of 11th International Conference of Cognitive Science (ICCS), 2011 May 10-12, Tehran, Iran, pp. 154 (abstract).

2013

Kazemifard, M., Ghasem-Aghaee, 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](#)) (not included in the statistics) (Published in 2014 January listed as 2014-02) **2014**

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

Yilmaz, L. and T.I. **Ören** (2013). Toward Replicability-Aware Modeling and Simulation: Changing the Conduct of M&S in the Information Age. In: *Ontology, Epistemology, and Teleology of M&S: Philosophical Foundations for Intelligent M&S Applications* (Intelligent Systems Reference Library), A. Tolc (ed.). Springer-Verlag, pp. 207-226. ISBN-10: 3642311393. ([Springer](#)) ([Amazon](#))

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 (Prepublication was in 2013 January – 2013-01)

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. ([presentation](#))

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.

- **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)

Track of Sessions on Modeling and Simulation for Intelligent, Adaptive and Autonomous System (MSIAAS'16)

Member of the Technical Program Committee

2016

Ören, T., L. Yilmaz, N. Ghasem-Aghaee, M. Kazemifard, and F. Noori (2016). Machine Understanding in Agent-Directed Simulation: State-of-the-art and Research Directions. (Keynote article of the 2016 Modeling and Simulation of Complexity in Intelligent, Adaptive and Autonomous Systems (MSCIAAS) Symposium of the SpringSim'16), Proceedings of the SpringSim'16, Umut Durak and Murat Günel, (eds.), April 3-6, 2016, Pasadena, CA, (SCS – The Society for Modeling and Simulation International), San Diego, CA, pp. 848-855. ([presentation](#))

- **2016 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.”

2017

Ören, T., L. Yilmaz (2017): “[The Age of the Connected World of Intelligent Computational Entities: Reliability Issues including Ethics, Autonomy and Cooperation of Agents.](#)” (Invited ebook chapter), Faria Nassiri Mofakham (ed.) *Frontiers in Artificial Intelligence - Intelligent Computational Systems*. Bentham Science Publishers, pp. 184-213.

Ghasem-Aghaee, N., T. Ören, and L. Yilmaz (2017) “[Simulation, Intelligence and Agents: Exploring the Synergy.](#)” (Invited ebook chapter), Faria Nassiri Mofakham (ed.) *Frontiers in Artificial Intelligence - Intelligent Computational Systems*. Bentham Science Publishers, pp. 1-58.

- **2017 April 23-26, Virginia Beach, VA**

2017 Modeling and Simulation of Complexity in Intelligent, Adaptive and Autonomous Systems (MSCIAAS) Symposium

Part of the 2017 Spring Simulation Multiconference ([SpringSim'17](#))

2018

Gupta, P.K., T. Ören, M. Singh (eds.) (2018). [Predictive Intelligence Using Big Data and the Internet of Things](#). IGI Global.

2022

Ören, T. (Invited chapter). [Security of Cyber-Physical-Social Systems: Impact of Simulation-Based Systems Engineering, Artificial Intelligence, and Ethics](#). In: Petros Nicopolitidis, Sudip Misra, Laurence T. Yang, Bernard Zeigler, Zhaolng Ning (Eds.) [Advances in Computing, Informatics, Networking and Cybersecurity - A Book Honoring Professor Mohammad S. Obaidat's Significant Scientific Contributions](#). Lecture Notes in Networks and Systems, Vol.289, Springer, pp. 711-732.

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