Artificial Intelligence*

(Publications, Presentations and Other Activities of Dr. Tuncer Ören: 1970s-2020s)

(Compiled from: the list of publications and the list of conferences and seminars)

(yellow)	AISim	Synergies of AI and Simulation
(green)	AISE	Synergies of AI and Software Engineering
(white)	other	AI, Machine Intelligence, Soft Computing, Knowledge-based, Understanding, Cybernetics, Intelligent Agents, Holons, Awareness

by Dr. Tuncer Ören

updated: 2025-02-25 (y-m-d)

*It may be worthwhile also to consider the AI winters (from Wikipedia):
"There were two major "winters" approximately 1974–1980 and 1987–2000,[3] and several smaller episodes, including the following:

- 1966: failure of machine translation
- 1969: criticism of perceptrons (early, single-layer artificial neural networks)
- 1971–75: DARPA's frustration with the Speech Understanding Research program at Carnegie Mellon University
- 1973: large decrease in AI research in the United Kingdom in response to the Lighthill report
- 1973–74: DARPA's cutbacks to academic AI research in general
- 1987: collapse of the LISP machine market
- 1988: cancellation of new spending on AI by the Strategic Computing Initiative
- 1990s: many expert systems were abandoned
- 1990s: end of the Fifth Generation computer project's original goals"

Some statistics

Number of publications and/or activities in 30 countries:

	Argentina	Austria	Belgium	Canada	China	Cyprus	Czechoslovakia	Denmark	France	Germany	Greece	Hungary	Iran	Ireland	Iceland	Italy	Japan	Korea	Mexico	Morocco	Norway	Portugal	Russia	Singapore	Spain	Switzerland	Thie Netetherlands	Turkey	UK	USA	TOTAL
Publications:			4	7	6					2			1			1	1		1			1		1	1	7	9	5		17	64
Other activities:	3	7	7	17	5	1	1	1	11	8	1	2	2	1	1	6	2	1	1	1	1	3	1	1	3		3	27	3	47	169
Total	3	7	7	24	11	1	1	1	11	10	1	2	3	1	1	7	3	1	2	1	1	4	1	2	4	7	12	32	3	64	233

Timeline: (From the work of Dr. Ören)

1972 August	**First mention** of Cybernetics and Simulation
1980 September	**First mention** of Cybernetics and Software Engineering
1981 January	**First proceedings** on Cybernetics and Software Engineering
1982 February	**First mention** of AI and Simulation
1985 February	**First mention** of AI and Software Engineering
1990 January	**First book** on AI and Software Engineering

1970s

1972

1972	**1972 August 28 - September 1, Oxford, England** International Congress of Cybernetics and Systems at the University of Oxford, UK **Presentation**: Simulation of Time-Varying Systems

1976

1976	**1976 September 6-11, Namur, Belgium** 8th International Congress on Cybernetics of the International Association for Cybernetics **Organizer** and **Program Chairman** of the Symposium on the Application of Cybernetics and General System Theoretic Concepts to the Simulation of Large-Scale Systems **Moderator of the panel** session of the symposium **Presentation** at the closing session of the Congress

1978

1978-01	**Ören**, T.I. (ed.) (1978). Cybernetics & Modelling & Simulation of Large-Scale Systems. International Association for Cybernetics, Namur, Belgium, 191 p.
1978-04	**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.
1978-05	**Ören**, T.I. (1978). Epilogue. In: Cybernetics and Modelling and Simulation of Large-Scale Systems, T.I. Ören (ed.) International Association for Cybernetics, Namur, Belgium, pp. 181-189.

1980s

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

1981

1981-01	**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. (cover, ToC)
1981-07	**Ören**, T.I. (1981). A Bibliography of Artificial Intelligence Techniques in Software Engineering. Technical Report TR-81-02, Computer Science Department, University of Ottawa, Ottawa, Ontario, Canada

1982

1982-02	**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. USA

1982 January 5-9, Washington, D.C. USA
International Conference on Systems Methodology and 26th Annual Meeting of the Society for General System Research
Paper: Promising Synergies of Simulation Model Management, Software Engineering, Artificial Intelligence and General System Theories

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

1984 **June 12-15, Trondheim, Norway**
Statoil
Invited Seminars:
- …
- Directions for the Future of Computer-Assisted Modelling and Simulation
- 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

1985-02 **Ören**, T.I., Aytaç, 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, The Netherlands, pp. 99-109.

1985-08 **Ören**, T.I. (1985). Intelligence in Simulation - Editorial. ACM Simuletter, 16:1, 2. USA

1985 **February 25-27, Ghent, Belgium**
Working Conference: Artificial Intelligence in Simulation
Sponsors:
- (Belgian) National Science Research Foundation, (Belgian) Ministry of Education
- European Community
- University of Ghent, Delft University of Technology
Invited Paper: Machine Intelligence in Software Engineering

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 (International Institute for Applied Systems Analysis)
Invited 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
- Advanced Tools
- Expert Systems and Organizational Models
Papers:
- A Taxonomy of Knowledge and Learning in Simulation
- Artificial Intelligence in Quality Assurance of Simulation Studies
- A model-based Advisor and Certifier for GEST Programs (with Z.K. Aytaç)
Member of the Closing Panel on:
- Future Prospects for Artificial Intelligence in Simulation

1985   **November 14, Ottawa, Ont., Canada**
University of Ottawa. AI Meeting: Research in AI at the University of Ottawa
Presentation: Applications of AI in Software Engineering

1985   **November 18-19, Tucson, Arizona, USA**
University of Arizona
Seminar in Expert Systems and Simulation Models; Sponsors: NASA, UA CE
Presentation: Modular and Hierarchical Model Specification: A Basis for Knowledge-Based Modelling and Simulation

1985   **November 20-21, Tucson, Arizona, USA**
University of Arizona
Workshop on Expert Systems and Simulation Models
Moderator of the Workshop
Presentation: Artificial Intelligence and Simulation: Dimensions to Explore

1986

1986-01   Elzas, M.S., **Ören**, T.I., Zeigler, B.P. (eds.) (1986). Modelling and Simulation Methodology in the Artificial Intelligence Era. North-Holland, Amsterdam, The Netherlands, 423 p.

1986-02   **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, The Netherlands, pp. 41-57.

1986-03   **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, The Netherlands, pp. 267-278.

1986-04   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, The Netherlands, pp. 299-307.

1986-05   **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.

1986-06   **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).

1986-07   **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.

1986-09   **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.

1986-10   **Ören**, T.I. (1986). Quality Assurance in Cognizant Simulative Design. Proceedings of 1986 Winter Simulation Conference, Washington, D.C., USA, 1986, Dec. 8-10, pp. 850-852. (ACM Portal)

1986-13   **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   **January 23-25, San Diego, California, USA**
SCS Conference on Intelligent Simulation Environments
Paper: Knowledge Bases for an Advanced Simulation Environment
Chairman of the Panel Session on: Complex Models

1986   **July 15-17, Tokyo, Japan**
Conference on Recent Advances in Simulation of Complex Systems
Sponsors: JSST, SCS, IMACS, IACM
Papers:
- Software Requirements of Knowledge Bases of an Advanced Simulation Environment
Chairman of the Session: Artificial Intelligence
Invited Member of the Panel Session on Artificial Intelligence

1986   **August 11, Philadelphia, Pennsylvania, USA**
Workshop on AI and Simulation, in conjunction with AAAI-86
(5th National Conference on Artificial Intelligence)
Invited Discussant in the Panel on:
- Artificial Intelligence and Simulation - The State-of-the-Art and Future Directions

1987

1987-07   **Ören**, T.I., Zeigler, B.P. (1987). Artificial Intelligence in Modelling and Simulation: Directions to Explore. Simulation, 48:4 (April), 131-134. USA

1987-08   **Ören**, T.I. (1987). Artificial Intelligence and Simulation: From Cognitive Simulation Toward Cognizant Simulation. Simulation 48:4 (April), 129-130. USA

1987-09   **Ören**, T.I. (1987). Quality Assurance Paradigms for Artificial Intelligence in Modelling and Simulation. Simulation, 48:4 (April), 149-151. USA

1987-13   **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.

1987-14   **Ören**, T.I. (1987). Modelling Paradigms and Software for Discrete Systems: Traditional and Artificial Intelligence Aspects. Technical Report TR-87-03, Computer Science Department, University of Ottawa, Ottawa, Ontario, Canada

1987-18   **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, USAJanuary 19-20, 1987.

1987-19 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, USA

1987-20 **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, USA

1987 **January 21-23, Tucson, Arizona, USA**
4th International Symposium on Modelling and Simulation Methodology:
Intelligent Environments and Goal-Directed Models
Sponsors: AAAI, AFCEA, IEEE CS, SCS, UA CE
Co-director of the symposium
Invited Paper (Opening Plenary Session): Bases for Advanced Simulation: Paradigms for the Future
Member of the closing Panel: Quality Assurance in Simulation

1987 **July 27-30, Montreal, PQ, Canada**
Summer Computer Simulation Conference - Sponsor: SCS
Paper: Model Update - A Model Specification Formalism with a Generalized View of Discontinuity
Tutorial: Machine Learning - A Taxonomy
Invited 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

1987 **October 13, New York, NY, USA**
The New York Academy of Sciences, Computer and Information Sciences Section
Invited Seminar: Artificial Intelligence in Software Engineering

1988

1988-05 **Ören**, T.I. (1988). A Paradigm for Artificial Intelligence in Software Engineering. Technical Report TR-88-35, Computer Science Department, University of Ottawa, Ottawa, Ontario, Canada (Preprint of 1990-02).

1988 **June 29 - July21 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 Software Engineering
- 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, USA** 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

1989-03	**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.
1989-15	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, USA
1989	**June 15, Vienna, Austria** Vienna University **Invited Talk**: Essence of Artificial Intelligence in Software Engineering
1989	June 21, Prague, Czechoslovakia Charles University, Computer Science Department **Invited Seminars** on: - Essence of Artificial Intelligence in Software Engineering - Artificial Intelligence in Modelling and Simulation - Simulation Quality Assurance in the Artificial Intelligence Era
1989	**June 28, Istanbul, Turkey** Technical University of Istanbul, Faculty of Mechanical Engineering **Invited Seminar**: Makine Ögrenmesi (In Turkish - Machine Learning)
1989	**July 3, Bornova, Izmir, Turkey** Ege University, Department of Computer Engineering **Invited Seminar**: Yazilimda Yapay Zeka (In Turkish - Artificial Intelligence in Software Engineering)
1989	**August 21, Detroit, Michigan, USA** Fourth Artificial Intelligence and Simulation Workshop Within IJCAI-11: The 11th International Joint Conference on Artificial Intelligence **Invited Member of the Panel** of the Workshop
1989	**October 9, Cergy-Pontoise, Paris, France** Ecole internationale des sciences du traitement de l'information (EISTI) **Invited Seminars**: - Essence of Artificial Intelligence in Software Engineering - Machine Learning: A Systematic View
1989	**December 4-6, Washington, D.C., USA** 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

1990s

1990

1990-01	**Ören**, T.I. (ed.) (1990). <u>Advances in Artificial Intelligence in Software Engineering</u> - Vol. 1, JAI Press, Greenwich, Connecticut, USA, 332 p. (<u>cover</u>, <u>ToC</u>)
1990-02	**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, USA, pp. 1-55.
<u>1990-04</u>	**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.
1990-06	**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.
1990	**1990 January 17-19, San Diego, CA, USA** Simulation and Artificial Intelligence (Western Simulation Multiconference) (Sponsor: SCS) **Invited Member** of the Panel on: CASE Tools to Support Modelling and Simulation
1990	**March 26-27, Tucson, Arizona, USA** AI and Simulation in High Autonomy Systems (Sponsor: UA ECE) **Member** of the Industrial/Scientific Advisory Committee
1990	**May 16-18, Ottawa, Ontario, Canada** CIPS - Annual Conference **Member** of the Program Committee **Organizer** and **Chairman** of the Session: Artificial Intelligence in Software Engineering **Presentation**: Artificial Intelligence in Software Engineering: The State-of-the-Art and Promising Directions
1990	**May 31 - June 22, Münich, W. Germany** Siemens **Invited Seminars**: - A Program Understanding Environment for Simulation - Artificial Intelligence in Software Engineering - Quality Assurance of Expert Systems
1990	**June 10-13, Erlangen-Nuremberg, W. Germany** European Simulation Multiconference **Article** (by T.I. Ören, L.G. Birta, O. Abou-Rabia, D.G. King, R. Wendt): E/Slam: A Software Understanding Environment for SLAM II Programs.
1990	**July 16-18, Calgary, Canada** Summer Computer Simulation Conference **Chairman** of the Session on: Intelligent Simulation Systems 2
1990	**August 28-30, Esztergom, Hungary** European Simulation Meeting on Problem Solving by Simulation, Sponsor: IMACS **Member** of the International Program Committee **Member** of the Panel Session of the Conference **Chairman** of the Session on Traffic and Control **Invited Presentation** (Plenary Session): Reverse Engineering in Simulation Program

Understanding
(with O. Abou-Rabia, D.G. King, L.G. Birta, and N.R. Wendt)

1990 **October 3-5, Montreal, PQ**
Bell Canada Quality Engineering Workshop (Participation by Invitation only),
Invited Presentations:
- A Reverse Engineering Application for Simulation Program Understanding
  (with N.R. Wendt, O. Abou-Rabia, D.G. King, L.G. Birta)

1990 **Nov. 7, Ankara, Turkey**
"Information Age" Seminar (Under the auspices of the Turkish Ministry of Culture)
Invited Seminar: Yazilimda Yapay Zeka (In Turkish - Artificial Intelligence in Software)

1991

1991 **April 1-5, New Orleans, Louisiana, USA**
Artificial Intelligence and Simulation Conference, The Society for Computer Simulation
Invited Tutorial: Quality Assurance of Expert Systems and Knowledge-based Systems

1991 **April 18, Buenos Aires, Argentina**
SADIO (Sociedad Argentina de Informática e Investigación Operativa)
Invited Seminar: Artificial Intelligence in Software Engineering

1991 April 19, Buenos Aires, Argentina
GESI - Argentinian General Systems Society
Invited Seminar: Artificial Intelligence in Software Engineering

1991 **June 3 - June 14, Istanbul, Turkey**
Technical University of Istanbul (ITU)
Under the auspices of the United Nations TOKTEN Program
Invited Seminars (in Turkish) on:
- Artificial Intelligence in Software Engineering
- Machine Learning
- Program Understanding Systems and Automatic Documentation of Programs in Natural
  Language
- Quality Assurance in Simulation and Expert Systems
- Artificial Intelligence in Software Engineering Education

1991 **July 22-24, Baltimore, Maryland, USA**
Summer Computer Simulation Conference
Member of the Panel on: Neural Networks and Simulation Standards

1991 **July 22-26, Dublin, Ireland**
13th IMACS World Congress on Computation and Applied Mathematics
Co-sponsored by: IFAC, IFIP, IFORS, IMECO
Paper (with D.G. King and M. Hitz):
- Automatic Generation of Natural Language Documentation for Slam II Programs

1991 November 29, Istanbul, Turkey
CASE Day, Turkish Association of UNIX Users
Invited Presentation: Program Understanding and Documentation Tools: Some Examples
(In Turkish - Program Anlama ve Belgeleme Araçları: Bazı Örnekler)

1991 **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)
- Quality in Software: Importance and Dimensions of the Problem (In Turkish)

1992

1992-14 **Ören**, T.I. (1992). Artificial Intelligence and Simulation. Technical Report TR-92-45. Computer Science Department, University of Ottawa, Ottawa, Ontario, Canada

1992-05 King, D., **Ören**, T.I., Hitz, M. (1992). Automatic Generation of Natural Language Documentation for SLAM II Programs. In: Artificial Intelligence, Expert Systems and Symbolic Computing (IMACS Transactions on Scientific Computing '91), E.N. Houstis and J.R. Rice (eds.), North-Holland, Amsterdam, The Netherlands

1992-06 **Ören**, T.I. (1992). Towards Program Understanding Systems. (Invited Plenary Paper). In: Proceedings of the First Turkish Symposium on Artificial Intelligence and Neural Networks, K. Oflazer, V. Akman, H.A. Güvenir, U. Halici (eds.), 25-26 June, 1992, Bilkent University, Ankara, Turkey, pp. 3-12.

1992 **January 28, Ottawa, ON, Canada**
National Research Council Canada - Institute for Information Technology
Invited Presentation:
- Knowledge-Based Simulation Environments: State-of-the Art and Challenges for the Future

1992 **March 11, Vienna, Austria**
University of Vienna
Invited Seminar: Advances in Knowledge-Based Simulation Environments

1992 **March 13, Linz, Austria**
Johannes Kepler University
Invited Seminar: The Role of System Theories in Knowledge-Based Simulation Environments

1992 1992 June 25-27, Ankara, Turkey
Bilkent University, First Turkish Symposium on Artificial Intelligence and Neural Nets
Invited Paper: Towards Program Understanding Systems

1992 **1992 July 6-7, Istanbul, Turkey**
Boğaziçi University
Symposium: Advances in Simulation 1992
Symposium Chair
Co-Editor of the Proceedings
Paper: Advances in Knowledge-Based Simulation Environments

1992 **December 28, Istanbul, Turkey**
Tübitak (Turkish Scientific and Technical Research Institute) Marmara Research Centre
Invited Seminar: Research Topics in Program Understanding

1993

1993 **July 19-21, Boston, Massachusetts, USA**
1993 Summer Computer Simulation Conference
Sponsored by the Society for Computer Simulation
Chair of the Session on: Applications and Modelling
Presentation: Knowledge-Based Simulation Environments

1994

1994-01 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. Vol. 2: Industrial Simulation, Computer and Telecommunication Systems, 352 p. Vol. 3: Additional Papers, 113 p.

1994-02   **Ören**, T.I. (1994). Artificial Intelligence and Simulation. Annals of Operations Research, vol. 53. pp. 287-319. USA

1994   **May 16-20, Ottawa, Ontario, Canada**
CAST-94 (Computer-Aided Systems Technology)
Organized by: - Ottawa Center of the McLeod Institute of Simulation Sciences
- State University of New York at Binghamton; Dept. of Systems Science, Binghamton, NY
- University of Ottawa; Graduate Systems Science Programme, Ottawa, On.
In Cooperation with:
- The International Federation for Systems Research (IFSR)
- The Society for Computer Simulation International (SCS)
Sponsored by: Ottawa Carleton Research Institute (OCRI)
General Chairman
Article: Architectures of Mixed and Pure Knowledge-Based Approaches for Continuous Simulation Environments. (with Dr. N. Ghassem-Aghaee)

1994   **September 14-17, Istanbul, Turkey**
Informatics'94 (In Turkish: Bilisim'94), Turkish Informatics Society
Presentation: - Knowledge-Based Software Engineering

1994 October 9-12, Istanbul, Turkey
ESS'94 (European Simulation Symposium)
Sponsor: The Society for Computer Simulation International (SCS)
In co-operation with: - The European Simulation Council
- Operational Research Society of Turkey (ORST)
Conference Chairman
Articles: (with R. Coşkun)
- Simulation in Knowledge-Based Production Scheduling Systems: A State-of-the-Art Review
- SIMEX: A Simulation-Based Expert Production Scheduling System

1995

1995-04   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., July 24-26, SCS, San Diego, CA., USA, pp. 269-274.

1995-05   Coşkun, R., **Ören**, T.I. (1995). Architecture of a Real-Time, Simulation-Based and Intelligent Production Scheduling System. In: Proceedings of 1995 Summer Computer Simulation Conf., Ottawa, Ont., July 24-26, SCS, San Diego, CA, USA, pp. 367-372.

1995-07   **Ören**, T.I. (1995-Invited contribution). 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   **June 12-14, San Francisco, CA, USA**
Fourth International Golden West Conference on Intelligent Systems
Member of the Program Committee

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

Paper (with B. Abdullah) Integration of Visual Intelligent Software Agent Gauges (VISAG) into a Simulation Environment

1995	Sept. 27 - Oct. 1, Istanbul, Turkey Informatics'95 (In Turkish: Bilisim'95), Turkish Informatics Society **Presentations:** - Knowledge-Based Software Engineering: Recent Advances - Program Understanding: Fundamental Concepts and Applications in Object-Oriented Programming
1995	**November 15-17, Mexico City, Mexico** 3rd Conference on Computer Simulation Sponsors: Universidad Panamericana, McLeod Institute of Simulation Sciences **Invited Opening Speech**: Artificial Intelligence and Simulation: A Typology

1996

1996-03	**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., USA, pp. 596-601.
1996-04	**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, USA, July 21-25, SCS, San Diego, CA., p. 596.
1996-05	**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

1997-02	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.
1997	**January 9-11, San Marcos, Texas, USA** 2nd Workshop of the International Institute for General Systems Studies Southwest Texas State University **Member** of the International Program Committee **Invited Plenary Presentation**: Understanding Systems: Systems Theoretic Foundations and Architectures
1997	**January 16, Ottawa, Ontario, Canada** Master's Program in Systems Science, University of Ottawa **Invited Seminar**: Computerized Understanding Systems: A Taxonomy and Performance Factors
1997	**June 5-6, Rouen, France** MOSIM'97: Modelisation et simulation des systemes de productions et de logistique (Premiere conference francophone de modelisation et de simulation) Sponsors: AFCET, FRANCOSIM, SCS **Invited Plenary Presentation:** Intelligence artificielle et simulation
1997	**July 4, Gölcük, Turkey** Software Engineering Center of the Gölcük Naval Base **Presentation:** Program Documentation and Program Understanding Systems

1997 **July 13-17, Arlington, VA, USA**
Summer Computer Simulation Conference
Presentation: Cognizant Simulative Design Environments

1997 **September 1-4, Singapore**
1st World Congress on Systems Simulation,
http://www4.informatik.uni-erlangen.de/~rimane/wcss97.html
Sponsors: - IEEE Singapore, The Society for Computer Simulation International (SCS)
- The Society for Computer Simulation Europe (SCS),
With the co-operation of over 15 international, regional, or national organizations
General Program Chair & **Co-Editor** of the Proceedings
Presentation: (with B. Abdullah) Enhancement of a Simulation Environment with IMAGES
(Intelligent Multi-Agent Based Virtual Gauges)

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

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

1998

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

1998 **December 15, Istanbul, Turkey**
Boğazici 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
http://www.dagstuhl.de/DATA/Participants/99271.html
Invited Presentation: Simulation, Artificial Intelligence and Agents: A Taxonomy

1999 **October 18-20, Kuşadası, İzmir, Turkey**
14th International Symposium on Computer and Information Sciences (ISCIS 14)
Organized by Ege University, http://www.ege.edu.tr/iscis99
Invited Presentation: Understanding Systems: Foundations and Performance Factors

1999 **November 29, Paris, France**
University Paris Dauphine

CERIA (Centre d'Etude et de Recherche en Informatique)
Invited Seminar: A Basis for Computer-Aided Understanding: A Classification and Performance Factors

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)

2000s

2000

2000-08	**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.
2000	**December 10-13, Orlando, FL, USA** Winter Simulation Conference **Organizer and Moderator of the Panel** (with a Position Statement) on: Agents and Simulation: Challenges to meet Defense and Civilian Requirements (Invited Paper)
2000	**September 21-22, Brussels, Belgium** Simulation for Military Planning – Requirements, Concepts, Developments, Lessons Learned ISSC (International Seminars and Symposia Centre) **Invited Presentation:** Use of Intelligent Agents for Military Simulation

2000	**July 3, Gebze-Kocaeli, Turkey**
	TUBITAK - Marmara Research Center (MRC),
	Information Technologies Research Institute (ITRI), Multimedia Group
	Presentations: (In Turkish)
	  - Software Agents
	  - Computer-Aided Understanding: Types and Performance Factors

2000	June 26-27, Nantes, France FOODSIM'2000 – International Conference on Simulation in Food and Bio Industries The Society for Computer Simulation International European Council With the participation of: EUROSIM: FRANCOSIM, CNRS, INRA, IIR, COST915 **Invited Plenary Paper:** Understanding: A Taxonomy and Performance Factors
2000	**May 13-20, Istanbul Turkey** ICAMES 2000 (International Cultural and Academic Meeting of Engineering Students) Boğaziçi University **Invited Presentation:** Understanding
2000	**March 6-8, Tucson, Arizona, USA** AIS 2000: AI, Simulation and Planning (Attendance by Invitation Only) Co-sponsored by Society for Computer Simulation **Member** of the Program Committee **Organizer and Moderator of a Panel:** - Modelling and Simulation: Challenges for Early 21st Century

2001

2001-02	**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 TUBITAK - Turkish Science and Technical Council), Turkey, 9:1, 63-70. (presentation).
2001	**April 2-4, Passau, Germany** Workshop 2001 - Agent-based Simulation II. **Organized** by SCS, ASIM & University of Passau, Germany **Member** of the Scientific Program Committee
2001	**June 18-23, St. Petersburg, Russia** 4th St. Petersburg Workshop on Simulation St. Petersburg State University and INFORS College on Simulation (USA) **Invited Plenary Paper:** Software Agents for Experimental Design in Advanced Simulation Environments

2001   **June 26-29, Delft, the Netherlands**
Eurosim 2001: Shaping Future with Simulation
4th International Eurosim Congress,
Invited Plenary Paper: Impact of Data on Simulation: From Early Practices to Federated
   and Agent-Directed Simulations

2001   **October 23-26, Maebashi City, Japan**
IAT-2001 - The 2nd Asia-Pacific Conference on Intelligent Agent Technology
Member of the Program Committee

2002

2002   **April 8-10, Lisbon, Portugal**
AIS'2002 - AI, Simulation and Planning
Member of the Program Committee

2002   **July 29 - August 3, Baden-Baden, Germany**
InterSymp 2002 - The 14th International Conference on Systems Research, Informatics and
Cybernetics of the IIAS (The International Institute for Advanced Studies in Systems Research
and Cybernetics)
An Invited Keynote Address:
   Ethics as a Basis for Sustainable Civilized Behavior for Humans and Software Agents

2003

2003-05   **Ören**, T.I. (2003). Review of the article: "Model-Based Diagnosis or Reasoning from First
   Principles" by Peischl, B. and Wotawa, F., IEEE Intelligent Systems 18(3): 32-37, May-June
   2003. ACM Computing Reviews, USA, November 2003.

2003   **July 27-30, Orlando, FL, USA**
SCI 2003 - The 7th World Multiconference on Systemics, Cybernetics and Informatics
Reviewer for the Conference

2004

2004   **May 3-5, Lisboa, Portugal**
ABS2004 - the 5th International Workshop on Agent-Based Simulation
Member of the Program Committee

2004   **July 18-21, Orlando, FL, USA**
SCI 2004 - The 8th World Multiconference on Systemics, Cybernetics and Informatics
Reviewer for the Conference

2004   **July 25-29, San Jose, California, USA**
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
• **Papers**:
 - N. Ghasem-Aghaee and T.I. Ören:
   Effects of Cognitive Complexity in Agent Simulation: Basics
 - L. Yilmaz and T.I. Ören:
   Dynamic Model Updating in Simulation with Multimodels: A Taxonomy and a Generic
   Agent-Based Architecture

2004   **October 4-6, Jeju Island, Korea**
AIS'2004: AI, Simulation and Planning in High Autonomy Systems
Member of International Program Committee

2004   **September 1-31, Marseille, France**

LSIS Laboratoire des Sciences de l'information et des Systèmes, Université Paul Cézanne–Aix Marseille 3
Visiting professor
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

2004 **December 5-8, Washington, D.C., USA**
WSC 2004 - Winter Simulation Conference
Papers:
- T.I. **Ören** and L. Yilmaz: Behavioral Anticipation in Agent Simulation
 - L. Yilmaz and T.I. **Ören**: Agent-supported Federated Simulation on the Semantic Web: Foundations of
   a Model Composability Approach

2005

2005 **April 2-8, San Diego, CA, USA**
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
Paper (with C. Santoni, J.M. Mercantini, M.F.Q.V. Turnell): Effects of Operator Behavior Model in Agent-Supported User/System Interfaces to Improve System Safety. (presentation)

2005 **June 16-17, Bodrum-Mugla, Turkey**
TAINN 2005 - Turkish Symposium on Artificial Intelligence & Neural Networks
Member of the Program Committee

2005 **July 10-13, Orlando, FL, USA**
WMSCI'05 - The 9th World Multi-Conference on Systemics, Cybernetics and Informatics
Reviewer for the Conference

2005 **July 24-28, Philadelphia, PA, USA**
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

2005 **September 12-14, Erlangen, Germany**
ABS 6 - Agent-Based Simulation 6
Member of the International Program Committee

2005 **September 19-22, Compiègne University of Technology, France**
IAT 2005 - Intelligent Agent Technology
Member, International Program Committee

2005 **October 20-22, Marseille, France**
CM&SC - Conceptual Modeling and Simulation Conference 2005, within I3M'2005 - International Mediterranean Multiconference
Sponsored by SCS -The Society for Modeling and Simulation International
Co-sponsored by M&SNet - McLeod Modeling and Simulation Network of the SCS
• **Member**, International Program Committee
• **Article** (with Dr. Nasser Ghasem-Aghaee and Marjan Kaedi)
  Effects of Cognitive Complexity in Agent Simulation: Fuzzy Rules and an Implementation

2005 **November 28 - December 1, Orlando, Florida, USA**
I/ITSEC - Interservice/Industry Training, Simulation Conference

Invited Member of the Panel on: Artificial Intelligence, Intelligent Agents and Game Technology (Position Statement)

2006

2006-11 Yilmaz, L., T.I. **Ören**, and N. Ghasem-Aghaee (2006). Intelligent Agents, Simulation, and Gaming. *Simulation and Gaming Journal*, USA, 2006, vol. 37, issue 3, pp. 339-349. DOI (Digital Object Identifier): 10.1177/1046878106289089. (ACM Portal)

2006 **April 2-6, Auburn, Alabama, USA**
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 **June 21-23, Mugla, Turkey**
The 4th National (Turkish) Congress of **Informatics in Structures and Cities**.
TAINN 2006 - 15th Turkish Symposium on Artificial Intelligence and Neural Networks
Member of the International Program Committee

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 Autonoma 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

2007-01 **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, USA, March 25-29, 2007, pp. 19-27. (ISBN: 1-56555-313-6) (presentation)

2007-02 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, USA, March 25-29, 2007. (ISBN: 1-56555-313-6)

2007-03 **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, USA, March 25-29, 2007. (ISBN: 1-56555-313-6)

2007-04 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.

2007-06 Ghasem-Aghaee, N. and T.I. **Ören**, (2007). Cognitive Complexity and Dynamic Personality in Agent Simulation, Computers in Human Behavior (Elsevier), The Netherlands, Volume 23, Issue 6 (November 2007), pp. 2983 - 2997. doi: 10.1016/j.chb.2006.08.012.

2007-08 Yilmaz, L. and Ören, T.I. (2007). Agent-directed Simulation Systems Engineering. Proc. of the Summer Simulation Conference, pp. 897-904. San Diego, CA, USA, July 15-18, 2007.

2007-09 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.

2007-12 Yilmaz L., G. Madey, T. Ören, and M. Sierhus (Eds.) (2007). The Proceedings of the Agent-Directed Simulation Symposium. Part of the Proceedings of the 2007 International Spring Simulation Multiconference (SpringSim). Sponsored by SCS –The Society for Modeling and Simulation International. Co- sponsored by ACM, M&SNet – McLeod Modeling and Simulation Network of the SCS, SCS Press. USA.

2007 **February 8-10, Buenos Aires, Argentina**
 AIS/CMS Conference (AIS: AI, Simulation and Planning in High Autonomy Systems; CMS: Conceptual Modeling and Simulation)
 Member, International Program Committee

2007 **March 25-29, Norfolk, Virginia, USA**
 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
 Symposium General Chair

2007 **May 30 - June 1, Montreal, Quebec, Canada**
 MS 2007 - 18th IASTED International Conference on Modelling and Simulation
 Article (with Ghasem-Aghaee, N., L. PoorMohammad Bagher, M. Kaedi)
 Anger Filter in Agent Simulation of Human Behavior

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 8-11, Orlando, FL, USA**
 WMSCI 2007 - The 11th World Multi-Conference on Systemics, Cybernetics and Informatics
 Reviewer for the Conference

2007 **July 15-18, San Diego, CA, USA**
 SCSC 2007 - Summer Computer Simulation Conference 2007
 Member, International Program Committee
 • **Member**, Tutorial Committee
 • **Organizer** & **Chair** (with Dr. Levent Yilmaz) of the Track of Sessions on: Agent-directed Simulation
 • **Article** (with Dr. Levent Yilmaz): Agent-directed Simulation Systems Engineering

2007 **October 4-6, Bergeggi, Italy**
 EMSS 2007 - 19th European Modelling and Simulation Symposium
 Member, International Program Committee
 Chair of the Session: Agent-Directed Simulation, Emergency Simulation & Crowd Behavior
 Article: Reliability in Agent-directed Simulation

2008

2008-05	Yilmaz, L., T.I. **Ören** and P. Thavikulwat (2008). Editorial: <u>Artificial Intelligence and Simulation</u>. Special Issue of the Journal: <u>Simulation & Gaming</u>. Volume 39, Issue 1 (March 2008), pp. 7-9. (<u>ACM Portal</u>) (<u>SAGE Journals Online</u>), USA
2008	**February 20-22, Cambridge, UK** <u>Distributed Gaming</u> (special session) within the 7th <u>WSEAS</u> International Conference on <u>AKED'08</u> - AI, Knowledge Engineering and Data Bases **Member:** Organizing Committee
2008	**April 14-17**, **Ottawa, Ontario, Canada** <u>**ADS'08**</u> - Agent-Directed Simulation (<u>final program</u>) Part of the 2008 Spring Simulation Multiconference (**SpringSim'08**) Sponsored by <u>**SCS**</u> -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) **Chairs of** Session 1, Session 5 and the Tutorial Session **Presentation** (with Zeinab Mazadi, and Dr. Nasser Ghasem-Aghaee): Prelude to Cultural Software Agents: Cultural Backgrounds in Agent Simulation **Poster**: <u>Agents with Personality and Emotional Filters for an E-learning Environment</u>, (Nasser Ghasem-Aghaee, Somayeh Fatahi and Tuncer Ören)
2008	**June 16-19, Edinburgh, Scotland** **SCSC 2008** - Summer Computer Simulation Conference 2008 (within the 2008 <u>International Simulation Multiconference</u>) **Member** of the SCSC'08 Team **Organizer** & **Chair** (with Dr. Levent Yilmaz) of the Track of Sessions on <u>Agent-directed Simulation</u>
2008	**September 17-19, Campora San Giovanni, Italy** <u>**EMSS 2008**</u>- 20th European Modeling and Simulation Symposium (within the <u>**IMMM-5**</u> - The 5th International Mediterranean and Latin American Modeling Multi-conf.) **Member**, International Program Committee **Organizer** (with Dr. Levent Yilmaz) and Chair of the **Track** on <u>Agent-directed Simulation</u>

2008	**October 4 - October 10, Ankara, Turkey**
	ODTÜ-TSK MODSIMMER <u>Modeling and Simulation Research and Development Center</u>
	Under the sponsorship of <u>TÜBİTAK</u> (The Scientific and Technological Research Council of Turkey)
	<u>Lecture 5</u>- 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)
	<u>Lecture 6</u> - Anlama yetenekli dizge ve etmenlerinin temelleri ve ileri uygulamaları
	    (Systems and agents with understanding: Foundations and advanced applications)

2008	**December 7-10, Miami, FL, USA** The 2008 IEEE / WIC / ACM International Conference on <u>IAT 2008</u> - Intelligent Agent Technology **Member**, International Program Committee

2009

2009-02	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), China, <u>Vol. 14, Nb. 1</u>, March 2009 (<u>http://www.ijics.org/</u>).
2009-03	Zhang, Y., T.I. **Ören**, L. Yilmaz, G. Madey, and M. Sierhuis (eds.) (2009). <u>Guest Editorial</u>: Introduction to the Special Issue on Agent-Directed Simulation, The International Journal of Intelligent Control and Systems (IJICS), China, Vol. 14, Nb. 1, March 2009, 1-3.

2009-04   **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), CVhina, Vol. 14, Nb. 1, March 2009, 4-19.

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

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
Articles:
   - Ören, T.I., L. Yilmaz, M. Kazemifard, and N. Ghasem-Aghaee. Multi-understanding: A Basis for Switchable Understanding for Agents.
   - Kazemifard, M., N. Ghasem-Aghaee, and T.I. Ören. Agents with Ability to Understand

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)
Member, International Program Committee
Organizer (with Dr. Levent Yilmaz) of the **Track** on Agent-directed Simulation

2010s

2010

2010-05   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. USA

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

2010   **June 3-5, Kuşadası, Turkey**
1st International Symposium on Computing in Science and Engineering (CFP)
Faculty of Engineering, Gediz University, Turkey
Member, Science Committee
Invited speaker at the opening plenary session: Synergies of Simulation, Agents, and Systems Engineering

2010   **July 11-14, Ottawa, Ontario, Canada**
SCSC **2010** - Summer Computer Simulation Conference 2010
Part of SummerSim'10 - Summer Simulation Multiconference of SCS
Member, International Program Committee
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.)
Member, International Program Committee
• **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

2011-06   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 the International Conference of Cognitive Science (ICCS), 2011 May 10-12, Tehran, Iran, pp. 154 (abstract).

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)

2011   **May 10-12, Tehran, Iran**
4th ICCS - International Conference of Cognitive Science
Article: (with Mohammad Kazemifard, Nasser Ghasem-Aghaee, Bryan Koenig):
Toward Effective Emotional Intelligence Simulation: Modeling Understanding Ability for Emotive Agents

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)*
Member, International Program Committee
Organizer (with Dr. Levent Yilmaz) of the **Track of Sessions** on
Agent-directed Simulation (The submission system)

2011   **September 16-22, Changsha, China**
National University of Defense Technology*,* System Simulation Lab
Seminar:
 - Agents with understanding abilities and ways to avoid misunderstanding

2012

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)

2012   **July 8-11, Genoa, Italy**

SCSC 2012 - Summer Computer Simulation Conference 2012
Part of SummerSim'12 - Summer Simulation Multiconference of SCS
Member, Program Committee
Organizer (with Dr. Levent Yilmaz) of the Track of Sessions on Agent-directed Simulation **(**ADS**)**

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) (The submission system)
Member, IPC
Organizer (with Dr. Levent Yilmaz) of the Track of Sessions on Agent-directed Simulation **(**ADS**)**

2013

2013-10 **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. (Switzerland)

2013-15 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. Tolk (ed.). Springer-Verlag, pp. 207-226. ISBN-10: 3642311393. (Switzerland)
(Springer) (Amazon)

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)

2013 **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 **July 29-31, Reykjavik, Iceland**
SIMULTECH 2013 – 3rd International Conference on Simulation and Modeling Methodologies,
Technologies and Applications
Honorary Program Co-Chair
Presentation of the article (with L. Yilmaz and M. Kazemifard) Machine understanding and avoidance
of misunderstanding in agent-directed simulation and in emotional intelligence

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)
Member, International Program Committee
Organizer and **chair** (with Dr. Levent Yilmaz) of the Track of Sessions on Agent-directed Simulation
(ADS)

2013 **October 14-18, Beijing, China**

10th Academic Forum for Graduate Students at Beihang University
Invited talk: Agent-Directed Simulation and Systems Engineering

2014

2014-02 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 (Switzerland)
(Prepublication was in 2013 January – 2013-01)

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)

2014 **July 6-10, Monterey, CA, USA**
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
Article (with Profs. Levent Yilmaz and Nasser Ghasem-Aghaee) "A Systematic View of Contribution of Agents to Modeling and Simulation: Past, Present, and Promising Future"

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

2015

2015-04 **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)

2015-05 **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), China, vol. 6, issue 3 (September), pp: 1-16, DOI: 10.1142/S1793962315400036.

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)

2015 **July 21-23, Colmar, Alsace, France**
SIMULTECH 2015 – 5th International Conference on Simulation and Modeling Methodologies, Technologies and Applications
Honorary Program Co-Chair of SIMULTECH 2015
Article: 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. ([presentation](#))
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) Track of Sessions on Modeling and Simulation for Intelligent, Adaptive and Autonomous System (MSIAAS'16) **Member** of the Technical Program Committee
2015	**September 21-23, Bergeggi, 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

[2016-03](#)	**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 Günal, (eds.), April 3-6, 2016, Pasadena, CA, USA,(SCS – The Society for Modeling and Simulation International), San Diego, CA, pp. 848-855. ([presentation](#))
[2016-07](#)	**Ören**, T.I., L. Yilmaz, Y. Zhang, (Guest editors) (2016). Special Section on Agent-Directed Simulation of the International Journal of Modeling, Simulation, and Scientific Computing ([IJMSSC](#)) (of the Chinese Association for System Simulation - CASS) by the World Scientific Publishing Co. China. Volume: 07, Number: 02 (June 2016).
2016	**April 3-6, Pasedena, CA, USA** 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)
2016	**April 3-6, Pasedena, CA, USA** 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."
2016	**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)
2016	**September 26-28, Cyprus** EMSS'16 – the 28th European Modeling and Simulation Symposium Track of Sessions on Agent-directed Simulation ([ADS](#)), **Track Co-chair** (with Dr. Levent Yilmaz)

2017

2017-08	**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, The Netherlands, pp. 184-213.

2017-09   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, The Netherlands, pp. 1-58.

2017   **April 23-26, Virginia Beach, VA, USA**
2017 Modeling and Simulation of Complexity in Intelligent, Adaptive and Autonomous Systems (MSCIAAS) Symposium
Part of the 2017 Spring Simulation Multiconference (SpringSim'17)
Member: Steering and Advisory Committee

2017   **September 18-20, Barcelona, Spain**
ADS- Agent-Directed Simulation
within EMSS – The European Modeling and Simulation Symposium
within I3M – International Multidisciplineray Modeling and Simulation Multiconference
Chair of ADS

2018

2018-10   Gupta, P.K., T. **Ören**, M. Singh (eds.) (2018). Predictive Intelligence Using Big Data and the Internet of Things. IGI Global, China

2018   **July 30 – August 3, Baden Baden, Germany**
InterSymp 2018 - 30th Anniversary International Conference on Systems Research, Informatics and Cybernetics, as part of the 38th Annual Meeting of the International Institute for Advanced Studies
A Keynote: Powerful Higher-Order Synergies of Cybernetics, Systems Thinking and Agent-Directed Simulation, for Cyber-Physical Systems

2018   **September 19-21, Budapest, Hungary**
ADS 2018 - Agent-directed Simulation track of sessions at the
EMSS 2018 – European Modeling and Simulation Symposium, within the
IM3 2018 – International Multidisciplineray Modeling & Simulation Multiconference
Chair (with Dr. Yu Zhang)

2019

2019   **September 18-20, Lisbon, Portugal**
ADS 2019 - Agent-directed Simulation track of sessions at the
EMSS 2019 – European Modeling and Simulation Symposium, within the
IM3 2019 – International Multidisciplineray Modeling & Simulation Multiconference
Chair (with Dr. Yu Zhang) of ADS

2020s

202

2020   **Nov. 3-5, Virtual Conference**
CCCI 2020 – IEEE International Conference on Communications, Computing, Cybersecurity, and Informatics
Member of the panel:
Recent Trends and Challenges in Communications, Computing, Cybersecurity and Informatics (Organized by Prof. Mohammad S. Obaidat) (statement)

2022

2022-03   **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, Switzerland, pp. 711-732.

2023

2023-15   **Ören, T.** (2023). Synergies of Artificial Intelligence and M&S (Section 12.3 of Chapter 12: Synergies of Soft Computing and M&S). **Ören**, T., B. Zeigler, A. Tolk. Body of Knowledge for Modeling and Simulation A Handbook by the Society of Modeling and Simulation International. Springer Cham, Switzerland. pp. 290-294.

2023-16   **Ören, T.** (2023). Synergies of Agents and M&S (Section 12.5 of Chapter 12: Synergies of Soft Computing and M&S). **Ören**, T., B. Zeigler, A. Tolk. Body of Knowledge for Modeling and Simulation A Handbook by the Society of Modeling and Simulation International. Springer Cham, Switzerland. pp. 295-297.

2023-17   Neto, V.V.G., **Ören, T.** (2023). Facets of Agent-Directed Simulation (Section 12.6 of Chapter 12: Synergies of Soft Computing and M&S). **Ören**, T., B. Zeigler, A. Tolk. Body of Knowledge for Modeling and Simulation A Handbook by the Society of Modeling and Simulation International. Springer Cham, Switzerland. pp. 297-309.