

**Publications, Presentations and Other Activities of Dr. Tuncer Ören on:  
Grand Challenges in Modelling and Simulation**

updated: 2020-10-17

	0	1	2	3	4	5	6	7	8	9	total
1970s									3		3
1980s			1	5	4	1	1	2		1	15
1990s			1								1
2000s			1								1
2010s	1	2	1		1		1				6
2020s	1										1
											<b>27</b>

**1978**

Ören, T. (1978). A Personal View on the Future of Simulation Languages (Keynote Paper). Proceedings of the 1978 UKSC Conference on Computer Simulation, IPC Science and Technology Press, Chester, England, April 4-6, 1978, pp. 294-306.

- Ören, T. (1978). (Invited Lecture): The Future of Simulation Languages, Department of Mathematics, Technical University of Delft, May 19, Delft, The Netherlands.
- Ören, T. (1978). (Member of the panel on): Methodology of the Future, Symposium on Modelling and Simulation Methodology, August 13-18, Rehovot, Israel.

**1982**

- Ören, T. (1983). (Invited Lecture): Directions for the Future of Computer-Aided Modelling and Simulation, Department of Systems Science, School of Advanced Studies, State University of New York, April 12, Binghamton, NY.

**1983**

- Ören, T. (1983). (Invited Lecture): Directions for the Future of Computer-Aided Modelling and Simulation, Department of Computer & Information Sciences, University of Delaware, April 11, Newark, DE.
- Ören, T. (1983). (Invited Lecture): Directions for the Future of Computer-Aided Modelling and Simulation, Department of Systems Science, School of Advanced Studies, State University of New York, April 12, Binghamton, NY.

Zeigler, B.P. (Panel organizer), Ragade, R., Pollins, B., and Ören, T. (1983). [Simulation Methodology: Lessons of the Past, Challenges for the Future](#). Proceedings of 15th Winter Simulation Conference. Dec., 1983, pp. 109-110.

Sowers, J.L., Ören, T., Zeigler, B.P., Houska, R.V., Kopka, R. (1983). [Simulation in Education: Modeling for the Future](#). Proceedings of 15th Winter Simulation Conference. December, 1983, pp. 259 - 262( [ACM Portal](#))

Ören, T. (1983). (Invited Member of the Panel Session on): Simulation Methodology - Lessons of the Past and Prospects for the Future. Winter Simulation Conference, December 12-14, Arlington, VA.

#### 1984

- Ören, T. (1984). **Invited Lecture:** Future Directions for Model-Based Information Systems, Claremont Graduate School, April 5, Claremont, CA.
- Ören, T. (1984). (Invited Seminar) Directions for the Future of Computer-Assisted Modelling and Simulation. Statoil, June 12-15, Trondheim, Norway.

Ören, T.I. (1984). New Directions in Systems Simulation: Methodology and Software. International Journal of Systems Analysis, Modelling, Simulation, 1:1, 63-70.

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.

#### 1985

- Ören, T. (1985). Working Conference: Knowledge-Based Modelling and Simulation Methodologies, July 1-5, Papendal, Arnhem, The Netherlands.  
Member of the Closing Panel on: Future Prospects for Artificial Intelligence in Simulation.

#### 1986

- Ören, T. (1986). (Invited Discussant in the Panel on): Artificial Intelligence and Simulation - The State-of-the-Art and Future Directions. Workshop on AI and Simulation, in conjunction with AAAI-86, August 11, Philadelphia, PA.

#### 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. (1987). Invited Paper (Opening Plenary Session), 4th International Symposium on Modelling and Simulation Methodology: Intelligent Environments and Goal-Directed Models, January 21-23, Tucson, AZ.  
Bases for Advanced Simulation: Paradigms for the Future

#### 1989

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.

#### 1992

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

## 2002

Ören, T.I. (2002). [Future of Modelling and Simulation: Some Development Areas](#). Proceedings of the 2002 Summer Computer Simulation Conference, July 14-18, San Diego, CA, pp. 3-8, ([presentation](#)).

## 2010

- Ören, T. (2010). (Keynote speech at the awards banquet), Old Dominion University, VMASC (Virginia Modeling Analysis and Simulation Center) Modeling, Simulation & Visualization Student Capstone Conference Simulation and Promising Future. ([presentation](#))

## 2011

- Ören, T. (2011). China Lectures: Beijing, China  
Beijing University of Aeronautics and Astronautics; (aka) Beihang University School of Automation Science & Electrical Engineering. [Future of Modeling and Simulation: Normative Views, Desirable Growth Areas & Challenges](#).
- Ören, T. (2011). China Lectures: Changsha, China  
National University of Defense Technology System Simulation Lab. [Future of Modeling and Simulation: Normative Views, Desirable Growth Areas & Challenges](#).

## 2012

- Ören, T. (2012). Trends and Challenges in Modeling and Simulation. Presented at the Panel, SIMULTECH, Rome, Italy, September 28, 2012. ([presentation](#)).

## 2014

Ören, T.I., L. Yilmaz and N. Ghasem-Aghaee (2014). A Systematic View of Agent Supported Simulation: Past, Present, and Promising Future. In: M.S. Obaidat, J. Kacprzyk and T. Ören (eds.) Proceedings of the 4th International Conference on Simulation and Modeling Methodologies, Technologies and Applications (SIMULTECH'14), Vienna, Austria, 28-30 August, 2014, pp. 497-506.

## 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](#))

## 2020

- Ören, T. (2020). Keynote speech: Grand Challenges in Modeling and Simulation: What M&S can do and what we should do for M&S? at: [CCCI 2020](#) – IEEE International Conference on Communications, Computing, Cybersecurity, and Informatics, Nov. 3-5, Virtual Conference.