

**Publications of Dr. Tuncer Ören on:**  
**Discontinuity, Model Update, Multimodels, Multisimulation,**  
**Personality Update, Agents with Personality Update**  
 (All are special cases of model update and re-initialization)

- 1985** • Birta, L.G., Ören, T.I., Kettenis, D.L. (1985). A Robust Procedure for Discontinuity Handling in Continuous System Simulation, Transactions of the Society for Computer Simulation, 2:3, 189-205.
- 1986** • Ören, T.I., Ma Jihu (1986). An Adaptive Order Discontinuity Algorithm for Simulation of Ordinary Differential Equations. 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. 283-288.
- 1987** • Ören, T.I. (1987). Model Update: A Model Specification Formalism with a Generalized View of Discontinuity. In: Proceedings of the Summer Computer Simulation Conference, Montreal, Quebec, Canada, 1987 July 27-30, pp. 689-694.
- 1991** • Ören, T.I. (1991). Dynamic Templates and Semantic Rules for Simulation Advisors and Certifiers. In: Knowledge-Based Simulation: Methodology and Application, P.A. Fishwick and R.B. Modjeski (Eds). Springer-Verlag, Berlin, Heidelberg, New York, Tokyo, 53-76.
- 2001** • Ören, T.I. (2001 – Invited contribution). [Towards a Modelling Formalism for Conflict Management](#). In: Discrete Event Modeling and Simulation: A Tapestry of Systems and AI-based Theories and Methodologies. H.S. Sarjoughian and F.E. Cellier (eds.), Springer-Verlag, New York, pp. 93-106. ([presentation](#)).
- 2004** • Yilmaz, L. and Ören, T.I. (2004). [Dynamic Model Updating in Simulation with Multimodels](#): A Taxonomy and a Generic Agent-Based Architecture, Proceedings of SCSC 2004 - Summer Computer Simulation Conference, July 25-29, 2004, San Jose, CA., pp. 3-8. ([presentation](#))
- Yilmaz, L. and Ören, T.I. (2004). Exploring Agent-Supported Simulation Brokering on the Semantic Web: [Foundations for a Dynamic Composability Approach](#), WSC 2004 - Winter Simulation Conference, Washington, D.C., December 5-8, 2004, pp. 766-773. ([presentation](#))
- Yilmaz, L. and Ören, T.I. (2004). Towards Simulation-based, Problem-solving Environments for Conflict Management in Computational Social Science, Proceedings of Agent 2003 - The Agent 2003 Conference on Challenges in Social Simulation, Chicago, Illinois, October, 2-4, 2003, pp. 25-37.
- 2005** • Yilmaz, L. and T.I. Ören (2005). [Discrete-Event Multimodels and their Agent-Supported Activation and Update](#). In Proceedings of the Agent-Directed Simulation Symposium of the Spring Simulation Multiconference (SMC'05), pp. 63-72, San Diego, CA, April 2005. ([presentation](#))
- 2006** • Yilmaz, L., T.I. Ören, and N. Ghasem-Aghaee (2006). Simulation-Based Problem Solving Environments for Conflict Studies: Toward Exploratory Multisimulation with Dynamic Simulation Updating. Simulation, and Gaming Journal. vol. 37, issue 4, pp. 534-556. DOI (Digital Object Identifier): 10.1177/1046878106292537.

- 2006** • 2006 September 22 - October 23, Barcelona, Spain  
University of Barcelona (Universitat Autònoma de Barcelona)  
[invited doctoral lectures](#) (Barcelona Lectures):  
[Lecture 3](#) - Advanced M&S methodologies: Multimodels and multisimulations
- 2007** • Yilmaz, L., A. Lim, S. Bowen, and T.I. Ören (2007). [Requirements and Design Principles for Multisimulation with Multiresolution, Multistage Multimodels](#). Proceedings of the 2007 Winter Simulation Conference, pp. 823-832, December 9-12, Washington, D.C.
- 2008** • Ören, T.I. and F. Longo (2008). [Emergence, Anticipation and Multisimulation: Bases for Conflict Simulation](#). Proceedings of the EMSS 2008- 20th European Modeling and Simulation Symposium. (Part of the IMMM-5 - The 5th International Mediterranean and Latin American Modeling Multiconference), September 14-17, 2008, Campora San Giovanni, Italy, pp. 546-555. ([presentation](#))
- 2008 October 4 - October 10, Ankara, Turkey  
ODTÜ-TSK MODSIMMER [Modeling and Simulation Research and Development Center](#); Under the sponsorship of [TÜBİTAK](#) (The Scientific and Technological Research Council of Turkey)  
**Invited research lectures:** [Lecture 3](#) - İleri modelleme ve benzetim yöntemleri: Çoklmodel ve çoklubenzetim (In Turkish)  
(Advanced modeling and simulation methodologies: Multimodels and multisimulation)
- 2009** • Merkurjeva, G., J. Bikovska, and T.I. Ören (2009). An Agent-Directed Multisimulation Framework for Management Simulation Games. Proceedings of the I3M 2009 MultiConference. (21st European Modeling and Simulation Symposium.) 2009 September 23-25, Puerto de la Cruz, Tenerife, Canary Island, Spain, pp. 14-21.
- 2011** • 2011 September 16-22, Changsha, China  
National University of Defense Technology  
**Invited Seminars:** [Multimodels and multisimulation](#)
- 2012** • Merkurjeva, G., J. Bikovska, and T.I. Ören (2012). [An Agent-Directed Multisimulation Framework for Simulation Games Management](#). Special issue of the International Journal of Simulation and Process Modeling (IJSPM), vol. 7, no. 3, pp. 184-192.
- Ören, T.I. (2012). [Evolution of the Discontinuity Concept in Modeling and Simulation: From Original Idea to Model Switching, Switchable Understanding, and Beyond](#). Special Issue of Simulation –The Transactions of SCS. Vol. 88, issue 9, Sept. 2012, pp. 1072-1079. DOI: 10.1177/0037549712458013
- Ören, T.I. and L. Yilmaz (2012). Agent-monitored anticipatory multisimulation: A systems engineering approach for threat-management training. Proceedings of EMSS'12 – 24th European Modeling and Simulation Symposium, F. Breitenacker, A. Bruzzone, E. Jimenez, F. Longo, Y. Merkurjev, B. Sokolov (Eds.), September 19-21, 2012, Vienna, Austria, pp. 277-282. ISBN 978-88-97999-01-0 (Paperback), ISBN 978-88-97999-09-6 (PDF).

- July 28-31, 2012, Rome, Italy  
SIMULTECH 2012 – 2nd International Conference on Simulation and Modeling  
Methodologies, Technologies and Applications  
Contribution to the Plenary Panel: “Trends and Challenges in Modeling and Simulation”  
([presentation](#))