Publications, Presentations, and Other Activities of

Dr. Tuncer Ören

on Cybernetics, Systems Theories, and Systems Engineering

updated 2024-09-14
(yyyy-mm-dd)

2023

Cybersecurity dictionaries (Siber Güvenlik: (l00'den fazla) Sözlük ve Bilgi Varlığı. TBD
Bilisimde Özenli Türkçe Çalışma Toplulugu adına derleyen: Dr. Tuncer **Ören**

2018

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
• **Keynote**: Powerful Synergies of Simulation, Cybernetics, and System Theories

2017

Durak, U., T. **Ören**, and A. Tolk (2017). An Index to the Body of Knowledge of Simulation
Systems Engineering (Chapter 2 of: Tolk, A. and T. Ören (eds.). The Profession of
Modeling and Simulation. Wiley.

Durak, U., T. Pawletta, T. **Ören** (2017 – In Press). Simulating Variable System Structures for
Engineering Emergence. (A Chapter of: Diallo, S. and L. Rainey (eds.). A Framework for
Emergence: A Modeling and Simulation Approach.

Ören, T., S. Mittal, U. Durak (2017 – In Press). Induced Emergence in Social System Engineering:
Multimodels as Methodological Bases. In: S. Mittal, S. Diallo and A. Tolk (eds,) (2017 – In
Preparation). Emergent Behavior in Complex Systems Engineering: A Modeling and Simulation
Approach, Wiley.

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 Günal, (eds.), April 3-6, 2016,
Pasadena, CA, (SCS – The Society for Modeling and Simulation International), San
Diego, CA, pp. 848-855. (presentation)

Durak, U. and T. **Ören** (2016). Towards an Ontology for Simulation Systems Engineering.
Proceedings of the SpringSim'16, Umut Durak and Murat Günal, (eds.), April 3-6, 2016,
Pasadena, CA, (SCS – The Society for Modeling and Simulation International), San
Diego, CA, pp. 167-170.

2014

Ören, T.I. (2014). A guidebook for simulation-based design, control, and analysis of complex
systems. Review of the book: Guide to Modeling and Simulation of Systems
of Systems, by B.P. Zeigler and H.S. Sarjoughian, Springer-Verlag, London, 2013.

Ören, T.I. (2014). Foreword. D. Gianni, D., A. D'Dambrogio, and A. Tolk (eds.) Modeling and Simulation-based Systems Engineering Handbook. CRC Taylor and Francis. (at CRC)

2012

Ören, T., and Yilmaz, L. (2012). Synergies of simulation, agents, and systems engineering. *Expert Systems with Applications,* vol. 39, no. 1 (January 2012), pp. 81-88. doi:10.1016/j.eswa.2011.06.038. (Available online 6 July 2011.)

2007

2007 July 8-11, Orlando, FL

 WMSCI 2007 - The 11th World Multi-Conference on Systemics, Cybernetics and Informatics
 • **Reviewer** for the Conference

2005

2005 July 10-13, Orlando, FL

 WMSCI'05 - The 9th World Multi-Conference on Systemics, Cybernetics and Informatics
 • **Reviewer** for the Conference

2004

2004 July 18-21, Orlando, FL

 SCI 2004 - The 8th World Multiconference on Systemics, Cybernetics and Informatics
 • **Reviewer** for the Conference

2003

2003 July 27-30, Orlando, FL

 SCI 2003 - The 7th World Multiconference on Systemics, Cybernetics and Informatics
 • **Reviewer** for the Conference

2002

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

2001

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

2000s

Reviewer of SCI Journal. (Electronic Journal of Systemics, Cybernetics and Informatics of IIIS - International Institute of Informatics and Systemics).

1991

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

1985

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

1983

1983 June 14, Vienna, Austria
Austrian Cybernetics Society
Invited Lecture: Structured Representation of Algorithms and Programs:
An Improvement over Nassi-Shneiderman Diagrams

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.

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

1979

Ören, T.I. (1979). Review of the Book, "Theory of Modelling & Simulation" by B.P. Zeigler, Wiley, New York, 1976. IEEE Transactions - Systems, Man & Cybernetics, SMC-9:1, 69.

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.

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.

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

1976-1983 - Member of the Board of Directors and Delegate to Canada of
The International Association for Cybernetics (Namur, Belgium)

1975

Ören, T.I. (1975). Simulation of Time-Varying Systems. In Advances in Cybernetics and
Systems, J. Rose (ed.). Gordon & Breach Science Publishers, England, pp. 1229-1238.

1972

Ören, T.I. (1972). GEST Modelling of the Interface between Discrete Time and Continuous
Time Component Systems. Newsletter of the Computer Science Association (Canada).
8:3, 8-9, (Abstract).

Ören, T.I. (1972). Systems Approach in Ecological System Simulation. Proceedings of the
Fourth Annual International Symposium of Cybernetics, Washington, D.C. 1970,
October 8-9, Spartan Books, New York, pp. 303-309.

Ören, T.I. (1972). Implementation of Synchronous Variables and Another Parallel
Computation Feature of GEST. Proceedings of the 1972 Summer Simulation
Conference, San Diego, CA, June 14-16, pp. 17-23.

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

1971

Ören, T.I. (1971). GEST: General System Theory Implementor, A Combined Digital
Simulation Language. Ph.D. Dissertation, 265 p. University of Arizona, Tucson,
AZ. [ACM Portal,](#) [University of Arizona](#), [to download](#)

Ören, T.I. (1971). GEST: A Combined Digital Simulation Language for Large-Scale Systems.
Proceedings of the Tokyo 1971 AICA (Association Internationale pour le Calcul
Analogique) Symposium on Simulation of Complex Systems, Tokyo, Japan, September
3-7, pp. B-1/1 - B-1/4.

Ören, T.I. (1971). GEST - Un Langage de simulation pour les systemes complexes.
Proceedings of the 39th Congress of ACFAS, Sherbrooke, Quebec, October 15-16, p. 79,
(Abstract).