

**Publications of Dr. Tuncer Ören on:
Taxonomies**

updated: 2011-03-01

1971:

Ören, T.I. (1971). A Basis for the Taxonomy of **Simulation Languages**. Proceedings of the 1971 Summer Computer Simulation Conference, Boston, MA, July 19-21, pp. 20-23.

1979:

Ören, T.I. (1979). Concepts for Advanced Computer-Assisted **Modelling**. In: Methodology in Systems Modelling and Simulation, B.P. Zeigler et al. (eds.). North-Holland, pp. 29-55. (Opening Paper in the Symposium on Modelling and Simulation Methodology, Rehovot, Israel, 1978 August 13-18).

1984:

Ören, T.I. (1984). **Quality Assurance** in Modelling and Simulation: A Taxonomy. In: Simulation and Model-Based Methodologies: An Integrative View, T.I. Ören, B.P. Zeigler, M.S. Elzas (eds.). Springer-Verlag, Heidelberg, Germany, pp. 477-517.

1987:

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

Ören, T.I. (1987). **Simulation**: Taxonomy. In: Systems and Control Encyclopedia, M.G. Singh (ed.), Pergamon Press, Oxford, England, pp. 4411-4414. (Chinese translation appeared in: Acta Simulata Systematica Sinica, 1989, 1, 60-63).

Ören, T.I. (1987). **Simulation Models**: Taxonomy. In: Systems and Control Encyclopedia, M.G. Singh (ed.), Pergamon Press, Oxford, England, pp. 4381-4388. (Chinese translation appeared in: Acta Simulata Systematica Sinica, 1990, 1, 34-43).

Ören, T.I. (1987). **Simulation Models Symbolic Processing**: Taxonomy. In: Systems and Control Encyclopedia, M.G. Singh (ed.), Pergamon Press, Oxford, England, pp. 4377-4381. (Chinese translation appeared in: Acta Simulata Systematica Sinica, 1990, 4, 59-62).

Ören, T.I. (1987). **Model Behavior**: Type, Taxonomy, Generation and Processing Techniques. In: Systems and Control Encyclopedia, M.G. Singh (ed.), Pergamon Press, Oxford, England, pp. 3030-3035. (Chinese translation appeared in: Acta Simulata Systematica Sinica, 1990, 2, 53-59).

Ören, T.I. (1987). **Simulation and Model-Oriented Languages**: Taxonomy. In: Systems and Control Encyclopedia, M.G. Singh (ed.), Pergamon Press, Oxford, England, pp. 4303-4306. (Chinese translation appeared in: Acta Simulata Systematica Sinica, 1990, 3, 67-73).

Ören, T.I. (1987). **Knowledge and Knowledge Processing Knowledge in Cognizant Systems**: A Taxonomy. In: Proceedings of the 31st Annual Meeting of the International Society for General Systems Research, Budapest, Hungary, 1987 June 1-5, pp. 868-873.

1993:

Ören, T.I. (1993). **Simulation Languages**: Taxonomy. In: Concise Encyclopedia of Software Engineering, D. Morris and B. Tamm (eds.), Pergamon Press, Oxford, England, 306-312

2000:

Ören, T.I. (2000 – Invited Opening Paper). **Understanding: A Taxonomy and Performance Factors**. In: D. Thiel (ed.) Proc. of FOODSIM'2000, June 26-27, 2000, Nantes, France. SCS, San Diego, CA, pp. 3-10.

2004:

Ören, T.I. (2004). [Review](#) of the article: "Further towards a taxonomy of **agent-based simulation models** in environmental management" by Hare M. and Deadman P. Mathematics and Computers in Simulation 64(1): 25-40, 2004. ACM Computing Reviews, May 2004 issue.

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](#))

2005:

Ören, T.I. (2005). [Review](#) of the article: "A taxonomy of **computer-based simulations** and its mapping to **parallel and distributed systems simulation tools**" by Sulistio, O., Yeo, C., Buyya, C., Software-Practice & Experience 34(7): 653-673, 2004. ACM Computing Reviews, February 2005 issue.

2007:

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, March 25-29, 2007, pp. 19-27. (ISBN: 1-56555-313-6) ([presentation](#))

2011

Ören, T.I. and L. Yilmaz (2011). Semantic Agents with **Understanding** Abilities and Factors Affecting **Misunderstanding**. In: A. Elci, M.T. Traore, and M.A. Orgun (eds.) Semantic Agent Systems: Foundations and Applications, Springer-Verlag.

Preprints (of some the above cited publications):

1983:

Ören, T.I. (1983). **Simulation**: A Taxonomy. Technical Report TR-83-10, Computer Science Department, University of Ottawa, Ottawa, Ontario..

Ören, T.I. (1983). **Simulation Models**: A Taxonomy. Technical Report TR-83-11, Computer Science Department, University of Ottawa, Ottawa, Ontario.

1984:

Ören, T.I. (1984). **Symbolic Processing of Simulation Models**: A Taxonomy. Technical Report TR-84-01, Computer Science Department, University of Ottawa, Ottawa, Ontario.

Ören, T.I. (1984). **Model Behavior**: A Taxonomy of Types and Generation and Processing Techniques. Technical Report TR-84-02, Computer Science Department, University of Ottawa, Ottawa, Ontario.

Ören, T.I. (1984). **Simulation and Model-Oriented Languages**: A Taxonomy. Technical Report TR-84-03, Computer Science Department, University of Ottawa, Ottawa, Ontario.