

Dictionaries of Modeling and Simulation (M&S), Cybernetics, and Systems

(compiled by Tuncer Ören) – updated 2020-05-10

Modeling and Simulation (29 dictionaries)

Augmented Reality

[AR BimDictionary](#) Augmented Reality Simulation (AR)

Analog and Hybrid Computers

[NEES](#) NEES (Network for Earthquake Engineering Simulation)
Hybrid Simulation Primer and Dictionary

[SCS-1975](#) The Society for Computer Simulation - Definitions of Terms
for Analog and Hybrid Computers (1 November 1975).
Simulation, 26:3 (March 1976), 80-86.

Biology

[SB](#) Biology Online Dictionary

Education

[UCF](#) UCF (University of Central Florida) Modeling and Simulation
Terminology (Modeling and Simulation for Instructional
Design)

Environmental Engineering

[EnvEng](#) General Glossary of Terms relating to Modelling and
Simulation for Environmental Engineering

[Flight Simulation](#) Definitions and Abbreviations for Flight Simulation Training
Devices

Gaming

[GameDeveloper](#) Dan Carreker (2012). [The Game Developer's Dictionary: A
Multidisciplinary Lexicon for Professionals and Students](#).
Courser Technology Press, Boston, MA, USA.

G.I. Gibbs G.I. Gibbs (1978). Dictionary of Gaming, Modelling &
Simulation. E & F N Spon (An imprint of Routledge) (at
[Amazon](#))

[L. Pulsipher](#) Glossary for Game Designers. Copyright 2010 Lewis Pulsipher
[Sloper](#) FAQ 28: A Glossary of Game Biz terms.

General M&S

[ACM SIGSIM M&S](#) ACM SIGSIM Modeling and Simulation Glossary

[IEEE](#) IEEE Standard Glossary of Modeling and Simulation
Terminology (IEEE 610.3-1989) withdrawn

[Li, Bo Hu et al.](#) Li, Bo H, T.I. Ören, Qiping Zhao, Tianyuan Xiao, Zongji
Chen, and Guanghong Gong et al. (2012). Modeling and
Simulation Dictionary: Chinese-English, English-Chinese (over
9000 terms), Chinese Science Press, Beijing, P.R. of China.

(With the contribution of 30 Chinese colleagues – [contributors](#))
([front cover](#))

Li, Bo Hu et al. (2nd ed.)

Li, Bo Hu et al. (2019). 2nd edition of the Modeling and Simulation Dictionary: Chinese- English, English-Chinese (about 12 500 English terms). Chinese Science Press, Beijing, P.R. of China.

[Ören et al.](#)

Ören, T.I. and The French Team: (2006). Modeling and Simulation Dictionary: English-French-Turkish. Marseille, France. With the support of Centre Nationale de La Recherche Scientifique, I3, Université Paul Cézanne - Aix-Marseille III, and LSIS (286 pp). ISBN: 2-9524747-0-2.

Healthcare

[Healthcare](#)

Healthcare Simulation Dictionary. 2016

[INALCSL](#)

INACSL Standards Committee (2016, December). INACSL standards of best practice: SimulationSM Simulation glossary. Clinical Simulation in Nursing, 12(S), S39-S47. h

[SSH](#)

Glossary of Terms Abridged from SSH Accreditation Manual

[VHA SimLEARN](#)

Clinical Simulation and Resuscitation Glossary of Training Terms

Lighting

[LDG](#)

Lighting Design and Simulation Terminology

Military Simulation

[DoD M&S Glossary](#)

DoD M&S Glossary - DoD 5000.59-M

[SEDRIS](#)

SEDRIS (Synthetic Environment Data Representation and Interchange Specification) Glossary (2007)

[SISO-Fidelity](#)

SISO Glossary of Terms Applied to Fidelity

[SISO DIS](#)

Distributed Interactive Simulation

[UK SEMS](#)

UK Ministry of Defence Synthetic Environment & Modelling & Simulation (SEMS) Glossary

[Wikis](#)

Glossary of military modeling and simulation: Wikis

Verification and Validation

[NASA](#)

Glossary of Verification and Validation Terms

[NPARC V&V](#)

Glossary of Verification and Validation Terms

Cybernetics and Systems (5 dictionaries)

- [F. Heylighen](#) Web Dictionary of Cybernetics and Systems
(Principa Cybemetica Web)
- IECaS [International Encyclopedia of Cybernetics and Systems](#), edited
by [Charles François](#), (1997) K.G. Saur publishing, München,
Germany (second ed. 2004)
- [ST](#) Glossary of Systems Theory (Wikipedia)
- [TSE](#) List of Types of Systems Engineering (Wikipedia)
- [TST](#) List of Types of Systems Theory (Wikipedia)