

## SIMULATION MODELLING BIBLIOGRAPHY

- Abraham, R.H., 2011. The Genesis of Complexity. *World Futures* 67, 380–394.  
<https://doi.org/10.1080/02604027.2011.585915>
- Bardi, U., 2013. Mind Sized World Models. *Sustainability* 5, 896–911. <https://doi.org/10.3390/su5030896>
- Bovari, E., Giraud, G., Mc Isaac, F., 2018. Coping With Collapse: A Stock-Flow Consistent Monetary Macrodynamics of Global Warming. *Ecological Economics* 147, 383–398. <https://doi.org/10.1016/j.ecolecon.2018.01.034>
- Braun, M., 1993. *Differential Equations and Their Applications: An Introduction to Applied Mathematics*, Texts in Applied Mathematics. Springer New York, New York, NY. <https://doi.org/10.1007/978-1-4612-4360-1>
- Capellán-Pérez, I., de Blas, I., Nieto, J., de Castro, C., Miguel, L.J., Carpintero, Ó., Mediavilla, M., Lobejón, L.F., Ferreras-Alonso, N., Rodrigo, P., Frechoso, F., Álvarez-Antelo, D., 2020. MEDEAS: a new modeling framework integrating global biophysical and socioeconomic constraints. *Energy Environ. Sci.* 13, 986–1017.  
<https://doi.org/10.1039/C9EE02627D>
- Chen, W., Wang, H., Huang, W., Li, N., Shi, J., 2017. Shared social-economic pathways (SSPs) modeling: application of global multi-region energy system model. *Energy Procedia* 142, 2467–2472.  
<https://doi.org/10.1016/j.egypro.2017.12.184>
- Costanza, R., Voinov, A. (Eds.), 2004. *Landscape simulation modeling: a spatially explicit, dynamic approach*, Modeling dynamic systems. Springer, New York.
- Costanza, R., Wainger, L., Folke, C., 1993. Modeling Complex Ecological Economic Systems. *BioScience* 43, 545–555. <https://doi.org/10.2307/1311949>
- Diehl, E., Sterman, J.D., 1995. Effects of Feedback Complexity on Dynamic Decision Making. *Organizational Behavior and Human Decision Processes* 62, 198–215. <https://doi.org/10.1006/obhd.1995.1043>
- Garrett, T.J., 2012. Modes of growth in dynamic systems. *Proc. R. Soc. A* 468, 2532–2549.  
<https://doi.org/10.1098/rspa.2012.0039>
- Giampietro, M., Mayumi, K., 2008. Complex Systems Thinking and Renewable Energy Systems, in: Pimentel, D. (Ed.), *Biofuels, Solar and Wind as Renewable Energy Systems*. Springer Netherlands, Dordrecht, pp. 173–213.  
[https://doi.org/10.1007/978-1-4020-8654-0\\_8](https://doi.org/10.1007/978-1-4020-8654-0_8)
- Kohring, G.A., 2006. Avoiding Chaos in Wonderland. *Physica A: Statistical Mechanics and its Applications* 368, 214–224. <https://doi.org/10.1016/j.physa.2006.01.061>
- Lane, D.C., Sterman, J.D., 2011. Jay Wright Forrester, in: Assad, A.A., Gass, S.I. (Eds.), *Profiles in Operations Research*, International Series in Operations Research & Management Science. Springer US, Boston, MA, pp. 363–386. [https://doi.org/10.1007/978-1-4419-6281-2\\_20](https://doi.org/10.1007/978-1-4419-6281-2_20)
- Motesharrei, S., Rivas, J., Kalnay, E., 2014. Human and nature dynamics (HANDY): Modeling inequality and use of resources in the collapse or sustainability of societies. *Ecological Economics* 101, 90–102.  
<https://doi.org/10.1016/j.ecolecon.2014.02.014>
- Mussbacher, G., Nuttall, D., 2014. Goal modeling for sustainability: The case of time, in: 2014 IEEE 4th International Model-Driven Requirements Engineering Workshop (MoDRE). Presented at the 2014 IEEE 4th International Model-Driven Requirements Engineering Workshop (MoDRE), IEEE, Karlskrona, Sweden, pp. 7–16.  
<https://doi.org/10.1109/MoDRE.2014.6890821>
- Olinick, M., 1981. Mathematical models in the social and life sciences: a selected bibliography. *Mathematical Modelling* 2, 237–258. [https://doi.org/10.1016/0270-0255\(81\)90029-4](https://doi.org/10.1016/0270-0255(81)90029-4)
- Repenning, N.P., Sterman, J.D., 2002. Nobody ever gets credit for fixing problems that never happened: creating and sustaining process improvement. *IEEE Eng. Manag. Rev.* 30, 64–64.  
<https://doi.org/10.1109/EMR.2002.1167285>
- Sterman, J., 2014. Interactive web-based simulations for strategy and sustainability: The MIT Sloan *LearningEdge* management flight simulators, Part I: MIT Sloan *LearningEdge* MFS, Part I. *Syst. Dyn. Rev.* 30, 89–121.  
<https://doi.org/10.1002/sdr.1513>
- Sterman, J., Franck, T., Fiddaman, T., Jones, A., McCauley, S., Rice, P., Sawin, E., Siegel, L., Rooney-Varga, J.N., 2015. WORLD CLIMATE: A Role-Play Simulation of Climate Negotiations. *Simulation & Gaming* 46, 348–382.  
<https://doi.org/10.1177/1046878113514935>
- Sterman, J.D., 2002. All models are wrong: reflections on becoming a systems scientist. *Syst. Dyn. Rev.* 18, 501–531.  
<https://doi.org/10.1002/sdr.261>
- Sterman, J.D., 1994. Learning in and about complex systems. *Syst. Dyn. Rev.* 10, 291–330.  
<https://doi.org/10.1002/sdr.4260100214>
- Sterman, J.D., 1989. Deterministic chaos in an experimental economic system. *Journal of Economic Behavior & Organization* 12, 1–28. [https://doi.org/10.1016/0167-2681\(89\)90074-7](https://doi.org/10.1016/0167-2681(89)90074-7)
- Swanson, J., 2002. Business Dynamics—Systems Thinking and Modeling for a Complex World. *Journal of the Operational Research Society* 53, 472–473. <https://doi.org/10.1057/palgrave.jors.2601336>
- Tymoigne, E., 2006. The Minskyan System, Part III: System Dynamics Modeling of a Stock Flow - Consistent Minskyan Model. *SSRN Journal*. <https://doi.org/10.2139/ssrn.908614>

Vermeulen, P.J., de Jongh, D.C.J., 1976. 'Dynamics of Growth in a Finite World' – Comprehensive Sensitivity Analysis. IFAC Proceedings Volumes 9, 133–145. [https://doi.org/10.1016/S1474-6670\(17\)67333-6](https://doi.org/10.1016/S1474-6670(17)67333-6)