HYBRID ABM AND SD MODELING LITERATURE REVIEWED FROM WEB OF SCIENCE SEARCH

Ahmed, Ali, John Page, and John Olsen. "A Comparison of Three Simulation Methodologies for a Lean Six Sigma Manufacturing Project - a Business Case Study." *International Journal of Lean Six Sigma* 11, no. 3 (June 12, 2019): 405–27. https://doi.org/10.1108/IJLSS-03-2018-0025.

———. "Enhancing Six Sigma Methodology Using Simulation Techniques Literature Review and Implications for Future Research." *International Journal of Lean Six Sigma* 11, no. 1 (January 9, 2020): 211–32. https://doi.org/10.1108/IJLSS-03-2018-0033.

Akopov, Andranik S., Levon A. Beklaryan, and Armen K. Saghatelyan. "Agent-Based Modelling for Ecological Economics: A Case Study of the Republic of Armenia." *Ecological Modelling* 346 (February 24, 2017): 99–118. https://doi.org/10.1016/j.ecolmodel.2016.11.012.

Alfaris, Anas, Abdulaziz Khiyami, Abdullah Alawad, Adnan Alsaati, and Mohammed Hadhrawi. "The Integrated Energy Decision Support System." *Systems Engineering* 18, no. 5 (October 2015): 511–29. https://doi.org/10.1002/sys.21326.

Anderson Jr., Edward G., Kyle Lewis, and Gorkem Turgut Ozer. "Combining Stock-and-Flow, Agent-Based, and Social Network Methods to Model Team Performance." *System Dynamics Review* 34, no. 4 (December 2018): 527–74. https://doi.org/10.1002/sdr.1613.

Angelopoulou, Anastasia, and Konstantinos Mykoniatis. "UTASiMo: A Simulation-Based Tool for Task Analysis." *Simulation-Transactions of the Society for Modeling and Simulation International* 94, no. 1 (January 2018): 43–54. https://doi.org/10.1177/0037549717711270.

Antonelli, Cristiano, and Gianluigi Ferraris. "Innovation as an Emerging System Property: An Agent Based Simulation Model." *Jasss-the Journal of Artificial Societies and Social Simulation* 14, no. 2 (March 2011): 1.

Apostolopoulos, Yorghos, Michael K. Lemke, Adam E. Barry, and Kristen Hassmiller Lich. "Moving Alcohol Prevention Research Forward—Part I: Introducing a Complex Systems Paradigm." *Addiction* 113, no. 2 (February 2018): 353–62. https://doi.org/10.1111/add.13955.

Asif, Farazee M. A., Michael Lieder, and Amir Rashid. "Multi-Method Simulation Based Tool to Evaluate Economic and Environmental Performance of Circular Product Systems." *Journal of Cleaner Production* 139 (December 15, 2016): 1261–81. https://doi.org/10.1016/j.jclepro.2016.08.122.

Atkinson, Jo-An, Ante Prodan, Michael Livingston, Dylan Knowles, Eloise O'Donnell, Robin Room, Devon Indig, Andrew Page, Geoff McDonnell, and John Wiggers. "Impacts of Licensed Premises Trading Hour Policies on Alcohol-Related Harms." *Addiction* 113, no. 7 (July 2018): 1244–51. https://doi.org/10.1111/add.14178.

Bagni, R., R. Berchi, and P. Cariello. "A Comparison of Simulation Models Applied to Epidemics." *Jasss-the Journal of Artificial Societies and Social Simulation* 5, no. 3 (June 2002): 5.

Barbosa, Catia, and Americo Azevedo. "Assessing the Impact of Performance Determinants in Complex MTO/ETO Supply Chains through an Extended Hybrid Modelling Approach." *International Journal of Production Research* 57, no. 11 (June 3, 2019): 3577–97. https://doi.org/10.1080/00207543.2018.1543970.

Beaussier, Thomas, Sylvain Caurla, Veronique Bellon-Maurel, and Eleonore Loiseau. "Coupling Economic Models and Environmental Assessment Methods to Support Regional Policies: A Critical Review." *Journal of Cleaner Production* 216 (April 10, 2019): 408–21. https://doi.org/10.1016/j.jclepro.2019.01.020.

Begusic, Stjepan, Zvonko Kostanjcar, Dejan Kovac, H. Eugene Stanley, and Boris Podobnik. "Information Feedback in Temporal Networks as a Predictor of Market Crashes." *Complexity*, 2018, 2834680. https://doi.org/10.1155/2018/2834680.

BenDor, Todd, Juergen Scheffran, and Bruce Hannon. "Ecological and Economic Sustainability in Fishery Management: A Multi-Agent Model for Understanding Competition and Cooperation." *Ecological Economics* 68, no. 4 (February 15, 2009): 1061–73. https://doi.org/10.1016/j.ecolecon.2008.07.014.

Bergman, Noam, Alex Haxeltine, Lorraine Whitmarsh, Jonathan Koehler, Michel Schilperoord, and Jan Rotmans. "Modelling Socio-Technical Transition Patterns and Pathways." *Jasss-the Journal of Artificial Societies and Social Simulation* 11, no. 3 (June 2008): 7.

Bieri, J. A., C. Sample, W. E. Thogmartin, J. E. Diffendorfer, J. E. Earl, R. A. Erickson, P. Federico, et al. "A Guide to Calculating Habitat-Quality Metrics to Inform Conservation of Highly Mobile Species." *Natural Resource Modeling* 31, no. 1 (February 2018): e12156. https://doi.org/10.1111/nrm.12156.

Bindal, A., M. G. Ierapetritou, S. Balakrishnan, A. Armaou, A. G. Makeev, and I. G. Kevrekidis. “Equation-Free, Coarse-Grained Computational Optimization Using Timesteppers.” *Chemical Engineering Science* 61, no. 2 (January 2006): 779–93. https://doi.org/10.1016/j.ces.2005.06.034.

Blanco, Victor, Calum Brown, Sascha Holzhauer, Gregor Vulturius, and Mark D. A. Rounsevell. “The Importance of Socio-Ecological System Dynamics in Understanding Adaptation to Global Change in the Forestry Sector.” *Journal of Environmental Management* 196 (July 1, 2017): 36–47. https://doi.org/10.1016/j.jenvman.2017.02.066.

Bollinger, L. Andrew, Chris Davis, Igor Nikolic, and Gerard P. J. Dijkema. “Modeling Metal Flow Systems Agents vs. Equations.” *Journal of Industrial Ecology* 16, no. 2 (April 2012): 176–90. https://doi.org/10.1111/j.1530-9290.2011.00413.x.

Brailsford, Sally C., Tillal Eldabi, Martin Kunc, Navonil Mustafee, and Andres F. Osorio. “Hybrid Simulation Modelling in Operational Research: A State-of-the-Art Review.” *European Journal of Operational Research* 278, no. 3 (November 1, 2019): 721–37. https://doi.org/10.1016/j.ejor.2018.10.025.

Brittin, J., O. M. Araz, Y. Nam, and T. T.-K. Huang. “A System Dynamics Model to Simulate Sustainable Interventions on Chronic Disease Outcomes in an Urban Community.” *Journal of Simulation* 9, no. 2 (May 2015): 140–55. https://doi.org/10.1057/jos.2014.16.

Burke, Jessica G., Kristen Hassmiller Lich, Jennifer Watling Neal, Helen I. Meissner, Michael Yonas, and Patricia L. Mabry. “Enhancing Dissemination and Implementation Research Using Systems Science Methods.” *International Journal of Behavioral Medicine* 22, no. 3 (June 2015): 283–91. https://doi.org/10.1007/s12529-014-9417-3.

Burke, Jessica G., Jessica R. Thompson, Patricia L. Mabry, and Christina F. Mair. “Introduction to the Theme Issue on Dynamics of Health Behavior: Revisiting Systems Science for Population Health.” *Health Education & Behavior* 47, no. 2 (April 2020): 185–90. https://doi.org/10.1177/1090198119876239.

Cassidy, Rachel, Neha S. Singh, Pierre-Raphael Schiratti, Agnes Semwanga, Peter Binyaruka, Nkenda Sachingongu, Chitalu Miriam Chama-Chiliba, Zaid Chalabi, Josephine Borghi, and Karl Blanchet. “Mathematical Modelling for Health Systems Research: A Systematic Review of System Dynamics and Agent-Based Models.” *Bmc Health Services Research* 19, no. 1 (November 19, 2019): 845. https://doi.org/10.1186/s12913-019-4627-7.

Chan, F. T. S., and H. K. Chan. “A Simulation Study with Quantity Flexibility in a Supply Chain Subjected to Uncertainties.” *International Journal of Computer Integrated Manufacturing* 19, no. 2 (March 2006): 148–60. https://doi.org/10.1080/09511920500324381.

Chaturvedi, Alok R., Daniel R. Dolk, and Paul L. Drnevich. “DESIGN PRINCIPLES FOR VIRTUAL WORLDS.” *Mis Quarterly* 35, no. 3 (September 2011): 673–84.

Chen, C.-C., and D. R. Hardoon. “Learning from Multi-Level Behaviours in Agent-Based Simulations: A Systems Biology Application.” *Journal of Simulation* 4, no. 3 (September 2010): 196–203. https://doi.org/10.1057/jos.2009.30.

Chen, Chih-Chun, Christopher D. Clack, and Sylvia B. Nagl. “Identifying Multi-Level Emergent Behaviors in Agent-Directed Simulations Using Complex Event Type Specifications.” *Simulation-Transactions of the Society for Modeling and Simulation International* 86, no. 1 (January 2010): 41–51. https://doi.org/10.1177/0037549709106692.

Chen, S. H., and C. C. Tai. “Toward a New Principle of Agent Engineering in Multiagent Systems: Computational Equivalence.” In *Multi-Agent for Mass User Support*, edited by K. Kurunmatani, S. H. Chen, and A. Ohuchi, 3012:18–32. Berlin: Springer-Verlag Berlin, 2003.

Choong, Chee Guan, and Alison Mckay. “Sustainability in the Malaysian Palm Oil Industry.” *Journal of Cleaner Production* 85 (December 15, 2014): 258–64. https://doi.org/10.1016/j.jclepro.2013.12.009.

Christiansen, J. H., and M. Altaweel. “Simulation of Natural and Social Process Interactions - An Example from Bronze Age Mesopotamia.” *Social Science Computer Review* 24, no. 2 (SUM 2006): 209–26. https://doi.org/10.1177/0894439305281500.

Cimler, Richard, Hana Tomaskova, Jitka Kuhnova, Ondrej Dolezal, Pavel Pscheidl, and Kamil Kuca. “Numeric, Agent-Based or System Dynamics Model? Which Modeling Approach Is the Best for Vast Population Simulation?” *Current Alzheimer Research* 15, no. 8 (2018): 789–97. https://doi.org/10.2174/1567205015666180202094551.

Clapp, John D., Danielle R. Madden, Hugo Gonzalez Villasanti, Luis Felipe Giraldo, Kevin M. Passino, Mark B. Reed, and Isabel Fernandez Puentes. “A System Dynamic Model of Drinking Events: Multi-Level Ecological Approach.” *Systems Research and Behavioral Science* 35, no. 3 (June 2018): 265–81. https://doi.org/10.1002/sres.2478.

Croke, B. F. W., J. L. Ticehurst, R. A. Letcher, J. P. Norton, L. T. H. Newham, and A. J. Jakeman. "Integrated Assessment of Water Resources: Australian Experiences." *Water Resources Management* 21, no. 1 (January 2007): 351–73. https://doi.org/10.1007/s11269-006-9057-8.

De Caux, Robert, Frank McGroarty, and Markus Brede. "The Evolution of Risk and Bailout Strategy in Banking Systems." *Physica A-Statistical Mechanics and Its Applications* 468 (February 15, 2017): 109–18. https://doi.org/10.1016/j.physa.2016.10.005.

Ding, Zhikun, Wenyan Gong, Shenghan Li, and Zezhou Wu. "System Dynamics versus Agent-Based Modeling: A Review of Complexity Simulation in Construction Waste Management." *Sustainability* 10, no. 7 (July 2018): 2484. https://doi.org/10.3390/su10072484.

Ding, Zhikun, Yifei Wang, and Patrick X. W. Zou. "An Agent Based Environmental Impact Assessment of Building Demolition Waste Management: Conventional versus Green Management." *Journal of Cleaner Production* 133 (October 1, 2016): 1136–53. https://doi.org/10.1016/j.jclepro.2016.06.054.

Dressler, Gunnar, Juergen Groeneveld, Carsten M. Buchmann, Cheng Guo, Niklas Hase, Jule Thober, Karin Frank, and Birgit Mueller. "Implications of Behavioral Change for the Resilience of Pastoral Systems-Lessons from an Agent-Based Model." *Ecological Complexity* 40 (December 2019): 100710. https://doi.org/10.1016/j.ecocom.2018.06.002.

Duggan, Jim. "Equation-Based Policy Optimization for Agent-Oriented System Dynamics Models." *System Dynamics Review* 24, no. 1 (SPR 2008): 97–118. https://doi.org/10.1002/sdr.393.

Evenden, D. C., S. C. Brailsford, C. M. Kipps, P. J. Roderick, and B. Walsh. "Hybrid Simulation Modelling for Dementia Care Services Planning." *Journal of the Operational Research Society*, n.d. (first published: June 2020) https://doi.org/10.1080/01605682.2020.1772020.

Fakhimi, Masoud, Navonil Mustafee, and Lampros K. Stergioulas. "An Investigation into Modeling and Simulation Approaches for Sustainable Operations Management." *Simulation-Transactions of the Society for Modeling and Simulation International* 92, no. 10 (October 2016): 907–19. https://doi.org/10.1177/0037549716662533.

Faust, Kasey M., Dulcy M. Abraham, and Daniel DeLaurentis. "Coupled Human and Water Infrastructure Systems Sector Interdependencies: Framework Evaluating the Impact of Cities Experiencing Urban Decline." *Journal of Water Resources Planning and Management* 143, no. 8 (August 2017): 04017043. https://doi.org/10.1061/(ASCE)WR.1943-5452.0000794.

Favereau, Marcel, Luis F. Robledo, and Maria T. Bull. "Homeostatic Representation for Risk Decision Making: A Novel Multi-Method Simulation Approach for Evacuation under Volcanic Eruption." *Natural Hazards* 103, no. 1 (August 2020): 29–56. https://doi.org/10.1007/s11069-020-03957-2.

Ferrada, Filipa, and Luis M. Camarinha-Matos. "Simulation Model to Estimate Emotions in Collaborative Networks." *Applied Sciences-Basel* 9, no. 23 (December 2019): 5202. https://doi.org/10.3390/app9235202.

Figueredo, Grazziela P., Peer-Olaf Siebers, Uwe Aickelin, Amanda Whitbrook, and Jonathan M. Garibaldi. "Juxtaposition of System Dynamics and Agent-Based Simulation for a Case Study in Immunosenescence." *Plos One* 10, no. 3 (March 25, 2015): e0118359. https://doi.org/10.1371/journal.pone.0118359.

Filatova, Tatiana, J. Gary Polhill, and Stijn van Ewijk. "Regime Shifts in Coupled Socio-Environmental Systems: Review of Modelling Challenges and Approaches." *Environmental Modelling & Software* 75 (January 2016): 333–47. https://doi.org/10.1016/j.envsoft.2015.04.003.

Folcik, Virginia A., Gordon Broderick, Shunmugam Mohan, Brian Block, Chirantan Ekbote, John Doolittle, Marc Khoury, Luke Davis, and Clay B. Marsh. "Using an Agent-Based Model to Analyze the Dynamic Communication Network of the Immune Response." *Theoretical Biology and Medical Modelling* 8 (January 19, 2011): 1. https://doi.org/10.1186/1742-4682-8-1.

Fortmann-Roe, Scott. "Insight Maker: A General-Purpose Tool for Web-Based Modeling & Simulation." *Simulation Modelling Practice and Theory* 47 (September 2014): 28–45. https://doi.org/10.1016/j.simpat.2014.03.013.

Freebairn, Louise, Jo-an Atkinson, Yang Qin, Christopher J. Nolan, Alison L. Kent, Paul M. Kelly, Luke Penza, et al. "'Turning the Tide' on Hyperglycemia in Pregnancy: Insights from Multiscale Dynamic Simulation Modeling." *Bmj Open Diabetes Research & Care* 8, no. 1 (January 2020): e000975. https://doi.org/10.1136/bmjdrc-2019-000975.

Gain, Animesh K., Md Sarwar Hossain, David Benson, Giuliano Di Baldassarre, Carlo Giupponi, and Nazmul Huq. "Social-Ecological System Approaches for Water Resources Management." *International Journal of Sustainable Development and World Ecology* 28, no.2 (2021): 109-124 https://doi.org/10.1080/13504509.2020.1780647.

Galpin, Vashti, Natalia Zon, Pia Wilsdorf, and Stephen Gilmore. “Mesoscopic Modelling of Pedestrian Movement Using CARMA and Its Tools.” *Acm Transactions on Modeling and Computer Simulation* 28, no. 2 (April 2018): 11. https://doi.org/10.1145/3155338.

Galvao Scheidegger, Anna Paula, Tabata Fernandes Pereira, Mona Liza Moura de Oliveira, Amarnath Banerjee, and Jose Arnaldo Barra Montevechi. “An Introductory Guide for Hybrid Simulation Modelers on the Primary Simulation Methods in Industrial Engineering Identified through a Systematic Review of the Literature.” *Computers & Industrial Engineering* 124 (October 2018): 474–92. https://doi.org/10.1016/j.cie.2018.07.046.

Garcia-Garcia, J. A., J. G. Enriquez, M. Ruiz, C. Arevalo, and A. Jimenez-Ramirez. “Software Process Simulation Modeling: Systematic Literature Review.” *Computer Standards & Interfaces* 70 (June 2020): 103425. https://doi.org/10.1016/j.csi.2020.103425.

Geller, Armando, and Shah Jamal Alam. “A Socio-Political and -Cultural Model of the War in Afghanistan.” *International Studies Review* 12, no. 1 (March 2010): 8–30. https://doi.org/10.1111/j.1468-2486.2009.00910.x.

Goh, Yang Miang, and Mohamed Jawad Askar Ali. “A Hybrid Simulation Approach for Integrating Safety Behavior into Construction Planning: An Earthmoving Case Study.” *Accident Analysis and Prevention* 93 (August 2016): 310–18. https://doi.org/10.1016/j.aap.2015.09.015.

Gonzales, Rodolphe, Jeffrey A. Cardille, and Lael Parrott. “Agent-Based Land-Use Models and Farming Games on the Social Web-Fertile Ground for a Collaborative Future?” *Ecological Informatics* 15 (May 2013): 14–21. https://doi.org/10.1016/j.ecoinf.2013.02.002.

Gonzalez de Durana, Jose, and Oscar Barambones. “Technology-Free Microgrid Modeling with Application to Demand Side Management.” *Applied Energy* 219 (June 1, 2018): 165–78. https://doi.org/10.1016/j.apenergy.2018.03.024.

Gou, Chengling, Xiaoqian Guo, and Fang Chen. “Study on System Dynamics of Evolutionary Mix-Game Models.” *Physica A-Statistical Mechanics and Its Applications* 387, no. 25 (November 1, 2008): 6353–59. https://doi.org/10.1016/j.physa.2008.07.023.

Gray, Steven, Alexey Voinov, Michael Paolisso, Rebecca Jordan, Todd BenDor, Pierre Bommel, Pierre Glynn, et al. “Purpose, Processes, Partnerships, and Products: Four Ps to Advance Participatory Socio-Environmental Modeling.” *Ecological Applications* 28, no. 1 (January 2018): 46–61.

Haase, Dagmar, Annegret Haase, Nadja Kabisch, Sigrun Kabisch, and Dieter Rink. “Actors and Factors in Land-Use Simulation: The Challenge of Urban Shrinkage.” *Environmental Modelling & Software* 35 (July 2012): 92–103. https://doi.org/10.1016/j.envsoft.2012.02.012.

Halog, Anthony, and Yosef Manik. “Advancing Integrated Systems Modelling Framework for Life Cycle Sustainability Assessment.” *Sustainability* 3, no. 2 (February 2011): 469–99. https://doi.org/10.3390/su3020469.

Hazy, James K. “Computer Models of Leadership: Foundations for a New Discipline or Meaningless Diversion?” *Leadership Quarterly* 18, no. 4 (August 2007): 391–410. https://doi.org/10.1016/j.leaqua.2007.04.007.

Higgins, A. J., C. J. Miller, A. A. Archer, T. Ton, C. S. Fletcher, and R. R. J. McAllister. “Challenges of Operations Research Practice in Agricultural Value Chains.” *Journal of the Operational Research Society* 61, no. 6 (June 2010): 964–73. https://doi.org/10.1057/jors.2009.57.

Hoekstra, Auke, Maarten Steinbuch, and Geert Verbong. “Creating Agent-Based Energy Transition Management Models That Can Uncover Profitable Pathways to Climate Change Mitigation.” *Complexity*, 2017, 1967645. https://doi.org/10.1155/2017/1967645.

Hoffman, Timothy E., Katherine J. Barnett, Lyle Wallis, and William H. Hanneman. “A Multimethod Computational Simulation Approach for Investigating Mitochondrial Dynamics and Dysfunction in Degenerative Aging.” *Aging Cell* 16, no. 6 (December 2017): 1244–55. https://doi.org/10.1111/acel.12644.

Hooten, Mevin B., and Christopher K. Wikle. “Statistical Agent-Based Models for Discrete Spatio-Temporal Systems.” *Journal of the American Statistical Association* 105, no. 489 (March 2010): 236–48. https://doi.org/10.1198/jasa.2009.tm09036.

Huang, W. C., S. L. Liaw, and S. Y. Chang. “Development of a Systematic Object-Event Data Model of the Database System for Industrial Wastewater Treatment Plant Management.” *Journal of Environmental Informatics* 15, no. 1 (March 2010): 14–25. https://doi.org/10.3808/jei.201000162.

Huigen, Marco G. A., Koen P. Overmars, and Wouter T. de Groot. “Multiactor Modeling of Settling Decisions and Behavior in the San Mariano Watershed, the Philippines: A First Application with the MameLuke Framework.” *Ecology and Society* 11, no. 2 (December 2006): 33.

Ip, Edward H., Hazhir Rahmandad, David A. Shoham, Ross Hammond, Terry T.-K. Huang, Youfa Wang, and Patricia L. Mabry. “Reconciling Statistical and Systems Science Approaches to Public Health.” *Health Education & Behavior* 40 (October 2013): 123S-131S. https://doi.org/10.1177/1090198113493911.

Irwin, Elena G., Ciriyam Jayaprakash, and Darla K. Munroe. “Towards a Comprehensive Framework for Modeling Urban Spatial Dynamics.” *Landscape Ecology* 24, no. 9 (November 2009): 1223–36. https://doi.org/10.1007/s10980-009-9353-9.

Iturriza, Marta, Leire Labaka, Jose M. Sarriegi, and Josune Hernantes. “Modelling Methodologies for Analysing Critical Infrastructures.” *Journal of Simulation* 12, no. 2 (2018): 128–43. https://doi.org/10.1080/17477778.2017.1418640.

Jimenez, Jose-Fernando, Abdelghani Bekrar, Damien Trentesaux, and Paulo Leitao. “A Switching Mechanism Framework for Optimal Coupling of Predictive Scheduling and Reactive Control in Manufacturing Hybrid Control Architectures.” *International Journal of Production Research* 54, no. 23 (2016): 7027–42. https://doi.org/10.1080/00207543.2016.1177237.

Jo, Haejin, Hakyeon Lee, Yongyoon Suh, Jieun Kim, and Yongtae Park. “A Dynamic Feasibility Analysis of Public Investment Projects: An Integrated Approach Using System Dynamics and Agent-Based Modeling.” *International Journal of Project Management* 33, no. 8 (November 2015): 1863–76. https://doi.org/10.1016/j.ijproman.2015.07.002.

Jochem, Patrick, Jonatan J. Gomez Vilchez, Axel Ensslen, Johannes Schaeuble, and Wolf Fichtner. “Methods for Forecasting the Market Penetration of Electric Drivetrains in the Passenger Car Market.” *Transport Reviews* 38, no. 3 (2018): 322–48. https://doi.org/10.1080/01441647.2017.1326538.

Johnson, Peter A., and Renee E. Sieber. “An Agent-Based Approach to Providing Tourism Planning Support.” *Environment and Planning B-Planning & Design* 38, no. 3 (June 2011): 486–504. https://doi.org/10.1068/b35148.

Kaiser, Kendra E., Alejandro N. Flores, and Vicken Hillis. “Identifying Emergent Agent Types and Effective Practices for Portability, Scalability, and Intercomparison in Water Resource Agent -Based Models.” *Environmental Modelling & Software* 127 (May 2020): 104671. https://doi.org/10.1016/j.envsoft.2020.104671.

Kanagarajah, A., D. Parker, and H. Xu. “Health Care Supply Networks in Tightly and Loosely Coupled Structures: Exploration Using Agent-Based Modelling.” *International Journal of Systems Science* 41, no. 3 (2010): 261–70. https://doi.org/10.1080/00207720903326852.

Kaul, Himanshu, Zhanfeng Cui, and Yiannis Ventikos. “A Multi-Paradigm Modeling Framework to Simulate Dynamic Reciprocity in a Bioreactor.” *Plos One* 8, no. 3 (March 29, 2013): e59671. https://doi.org/10.1371/journal.pone.0059671.

Kelly, Rebecca A., Anthony J. Jakeman, Olivier Barreteau, Mark E. Borsuk, Sondoss ElSawah, Serena H. Hamilton, Hans Jorgen Henriksen, et al. “Selecting among Five Common Modelling Approaches for Integrated Environmental Assessment and Management.” *Environmental Modelling & Software* 47 (September 2013): 159–81. https://doi.org/10.1016/j.envsoft.2013.05.005.

Kenny, Daniel C. “Modeling of Natural and Social Capital on Farms: Toward Useable Integration.” *Ecological Modelling* 356 (July 24, 2017): 1–13. https://doi.org/10.1016/j.ecolmodel.2017.04.010.

Khan, Bilal, Kirk Dombrowski, and Mohamed Saad. “A Stochastic Agent-Based Model of Pathogen Propagation in Dynamic Multi-Relational Social Networks.” *Simulation-Transactions of the Society for Modeling and Simulation International* 90, no. 4 (April 2014): 460–84. https://doi.org/10.1177/0037549714526947.

Kieckhaefer, Karsten, Thomas Volling, and Thomas Stefan Spengler. “A Hybrid Simulation Approach for Estimating the Market Share Evolution of Electric Vehicles.” *Transportation Science* 48, no. 4 (November 2014): 651–70. https://doi.org/10.1287/trsc.2014.0526.

Kieckhaefer, Karsten, Katharina Wachter, and Thomas S. Spengler. “Analyzing Manufacturers’ Impact on Green Products’ Market Diffusion - the Case of Electric Vehicles.” *Journal of Cleaner Production* 162 (September 20, 2017): S11–25. https://doi.org/10.1016/j.jclepro.2016.05.021.

Kline, Jeffrey D., Eric M. White, A. Paige Fischer, Michelle M. Steen-Adams, Susan Charnley, Christine S. Olsen, Thomas A. Spies, and John D. Bailey. “Integrating Social Science into Empirical Models of Coupled Human and Natural Systems.” *Ecology and Society* 22, no. 3 (2017): 25. https://doi.org/10.5751/ES-09329-220325.

Koehler, Jonathan, Fjalar de Haan, Georg Holtz, Klaus Kubeczko, Enayat Moallemi, George Papachristos, and Emile Chappin. “Modelling Sustainability Transitions: An Assessment of Approaches and Challenges.” *Jasss-the Journal of Artificial Societies and Social Simulation* 21, no. 1 (January 31, 2018): 8. https://doi.org/10.18564/jasss.3629.

Koehler, Jonathan, Lorraine Whitmarsh, Bjorn Nykvist, Michel Schilperoord, Noam Bergman, and Alex Haxeltine. "A Transitions Model for Sustainable Mobility." *Ecological Economics* 68, no. 12 (October 15, 2009): 2985–95. https://doi.org/10.1016/j.ecolecon.2009.06.027.

Koh, Keumseok, Rebecca Reno, and Ayaz Hyder. "Designing an Agent-Based Model Using Group Model Building: Application to Food Insecurity Patterns in a US Midwestern Metropolitan City." *Journal of Urban Health-Bulletin of the New York Academy of Medicine* 95, no. 2 (April 2018): 278–89. https://doi.org/10.1007/s11524-018-0230-1.

Kolominsky-Rabas, Peter L., Anatoli Djanatliev, Philip Wahlster, Marion Gantner-Baer, Bernd Hofmann, Reinhard German, Martin Sedlmayr, Erich Reinhardt, Juergen Schuettler, and Christine Kriza. "Technology Foresight for Medical Device Development through Hybrid Simulation: The ProHTA Project." *Technological Forecasting and Social Change* 97 (August 2015): 105–14. https://doi.org/10.1016/j.techfore.2013.12.005.

Kum, Susan S., Mary E. Northridge, and Sara S. Metcalf. "Using Focus Groups to Design Systems Science Models That Promote Oral Health Equity." *Bmc Oral Health* 18 (June 4, 2018): 99. https://doi.org/10.1186/s12903-018-0560-0.

Kwakkel, Jan H., and Erik Pruyt. "Exploratory Modeling and Analysis, an Approach for Model-Based Foresight under Deep Uncertainty." *Technological Forecasting and Social Change* 80, no. 3 (March 2013): 419–31. https://doi.org/10.1016/j.techfore.2012.10.005.

Kwon, O. B. "Modeling and Generating Context-Aware Agent-Based Applications with Amended Colored Petri Nets." *Expert Systems with Applications* 27, no. 4 (November 2004): 609–21. https://doi.org/10.1016/j.eswa.2004.06.008.

Laker, Lauren F., Elham Torabi, Daniel J. France, Craig M. Froehle, Eric J. Goldlust, Nathan R. Hoot, Parastu Kasaie, et al. "Understanding Emergency Care Delivery Through Computer Simulation Modeling." *Academic Emergency Medicine* 25, no. 2 (February 2018): 116–27. https://doi.org/10.1111/acem.13272.

Lamarche-Perrin, Robin, Sven Banisch, and Eckehard Olbrich. "THE INFORMATION BOTTLENECK METHOD FOR OPTIMAL PREDICTION OF MULTILEVEL AGENT-BASED SYSTEMS." *Advances in Complex Systems* 19, no. 1–2 (March 2016): 1650002. https://doi.org/10.1142/S0219525916500028.

Lamberson, P. J. "Approximating Individual Interactions in Compartmental System Dynamics Models." *System Dynamics Review* 34, no. 1–2 (June 2018): 284–326. https://doi.org/10.1002/sdr.1599.

———. "Winner-Take-All or Long Tail? A Behavioral Model of Markets with Increasing Returns." *System Dynamics Review* 32, no. 3–4 (December 2016): 233–60. https://doi.org/10.1002/sdr.1563.

Langellier, Brent A., Usama Bilal, Felipe Montes, Jose D. Meisel, Leticia de Oliveira Cardoso, and Ross A. Hammond. "Complex Systems Approaches to Diet: A Systematic Review." *American Journal of Preventive Medicine* 57, no. 2 (August 2019): 273–81. https://doi.org/10.1016/j.amepre.2019.03.017.

Langellier, Brent A., Yong Yang, Jonathan Purtle, Katherine L. Nelson, Ivana Stankov, and Ana V. Diez Roux. "Complex Systems Approaches to Understand Drivers of Mental Health and Inform Mental Health Policy: A Systematic Review." *Administration and Policy in Mental Health and Mental Health Services Research* 46, no. 2 (March 2019): 128–44. https://doi.org/10.1007/s10488-018-0887-5.

Lattila, Lauri, Per Hilletofth, and Bishan Lin. "Hybrid Simulation Models - When, Why, How?" *Expert Systems with Applications* 37, no. 12 (December 2010): 7969–75. https://doi.org/10.1016/j.eswa.2010.04.039.

Lee, Kathryn A., Oliwier Dziadkowiec, and Paula Meek. "A Systems Science Approach to Fatigue Management in Research and Health Care." *Nursing Outlook* 62, no. 5 (October 2014): 313–21. https://doi.org/10.1016/j.outlook.2014.07.002.

Lee, SeHoon, Jeong Hee Hong, Jang Won Bae, and Il-Chul Moon. "Impact of Population Relocation to City Commerce: Micro-Level Estimation with Validated Agent-Based Model." *Jasss-the Journal of Artificial Societies and Social Simulation* 18, no. 2 (March 31, 2015): 5. https://doi.org/10.18564/jasss.2719.

Legara, Erika Fille, Christopher Monterola, Kee Khoon Lee, and Gih Guang Hung. "Critical Capacity, Travel Time Delays and Travel Time Distribution of Rapid Mass Transit Systems." *Physica A-Statistical Mechanics and Its Applications* 406 (July 15, 2014): 100–106. https://doi.org/10.1016/j.physa.2014.02.058.

Levy, Nadav, Karel Martens, and Itzhak Benenson. "Exploring Cruising Using Agent-Based and Analytical Models of Parking." *Transportmetrica A-Transport Science* 9, no. 9 (October 1, 2013): 773–97. https://doi.org/10.1080/18128602.2012.664575.

Lewe, J.-H., L. F. Hivin, and D. N. Mavris. "A Multi-Paradigm Approach to System Dynamics Modeling of Intercity Transportation." *Transportation Research Part E-Logistics and Transportation Review* 71 (November 2014): 188–202. https://doi.org/10.1016/j.tre.2014.09.011.

Li, Weilin, Mohsen Ferdowsi, Marija Stevic, Antonello Monti, and Ferdinanda Ponci. “Cosimulation for Smart Grid Communications.” *Ieee Transactions on Industrial Informatics* 10, no. 4 (November 2014): 2374–84. https://doi.org/10.1109/TII.2014.2338740.

Li, Weilin, and Xiaobin Zhang. “Simulation of the Smart Grid Communications: Challenges, Techniques, and Future Trends.” *Computers & Electrical Engineering* 40, no. 1 (January 2014): 270–88. https://doi.org/10.1016/j.compeleceng.2013.11.022.

Liang, Huakang, Ken-Yu Lin, and Shoujian Zhang. “Understanding the Social Contagion Effect of Safety Violations within a Construction Crew: A Hybrid Approach Using System Dynamics and Agent-Based Modeling.” *International Journal of Environmental Research and Public Health* 15, no. 12 (December 2018): 2696. https://doi.org/10.3390/ijerph15122696.

Liu, Dongya, Xinqi Zheng, and Hongbin Wang. “Land-Use Simulation and Decision-Support System (LandSDS): Seamlessly Integrating System Dynamics, Agent-Based Model, and Cellular Automata.” *Ecological Modelling* 417 (February 1, 2020): 108924. https://doi.org/10.1016/j.ecolmodel.2019.108924.

Liu, Ping, C. I. Siettos, C. W. Gear, and I. G. Kevrekidis. “Equation-Free Model Reduction in Agent-Based Computations: Coarse-Grained Bifurcation and Variable-Free Rare Event Analysis.” *Mathematical Modelling of Natural Phenomena* 10, no. 3 (2015): 71–90. https://doi.org/10.1051/mmnp/201510307.

Liu, Shiyong, Konstantinos P. Triantis, Li Zhao, and Youfa Wang. “Capturing Multi-Stage Fuzzy Uncertainties in Hybrid System Dynamics and Agent-Based Models for Enhancing Policy Implementation in Health Systems Research.” *Plos One* 13, no. 4 (April 25, 2018): e0194687. https://doi.org/10.1371/journal.pone.0194687.

Liu, Shiyong, Hong Xue, Yan Li, Judy Xu, and Youfa Wang. “Investigating the Diffusion of Agent-Based Modelling and System Dynamics Modelling in Population Health and Healthcare Research.” *Systems Research and Behavioral Science* 35, no. 2 (April 2018): 203–15. https://doi.org/10.1002/sres.2460.

Liu, Yong, Dewei Yang, and Hengzhou Xu. “Factors Influencing Consumer Willingness to Pay for Low-Carbon Products: A Simulation Study in China.” *Business Strategy and the Environment* 26, no. 7 (November 2017): 972–84. https://doi.org/10.1002/bse.1959.

Lopes, Mario Amorim, Alvaro Santos Almeida, and Bernardo Almada-Lobo. “Forecasting the Medical Workforce: A Stochastic Agent-Based Simulation Approach.” *Health Care Management Science* 21, no. 1 (March 2018): 52–75. https://doi.org/10.1007/s10729-016-9379-x.

Lozano, Jorge-Mario, and Mauricio Sanchez-Silva. “Improving Decision-Making in Maintenance Policies and Contract Specifications for Infrastructure Projects.” *Structure and Infrastructure Engineering* 15, no. 8 (August 3, 2019): 1087–1102. https://doi.org/10.1080/15732479.2019.1581818.

Luke, Douglas A., and Katherine A. Stamatakis. “Systems Science Methods in Public Health: Dynamics, Networks, and Agents.” In *Annual Review of Public Health, Vol 33*, edited by J. E. Fielding, 33:357-+. Palo Alto: Annual Reviews, 2012. https://doi.org/10.1146/annurev-publhealth-031210-101222.

Macal, C. M., and M. J. North. “Successful Approaches for Teaching Agent-Based Simulation.” *Journal of Simulation* 7, no. 1 (February 2013): 1–11. https://doi.org/10.1057/jos.2012.1.

Maldonado, Felipe, Pascal Van Hentenryck, Gerardo Berbeglia, and Franco Berbeglia. “Popularity Signals in Trial-Offer Markets with Social Influence and Position Bias.” *European Journal of Operational Research* 266, no. 2 (April 16, 2018): 775–93. https://doi.org/10.1016/j.ejor.2017.10.056.

Mallampalli, Varun Rao, Georgia Mavrommati, Jonathan Thompson, Matthew Duveneck, Spencer Meyer, Arika Ligmann-Zielinska, Caroline Gottschalk Druschke, et al. “Methods for Translating Narrative Scenarios into Quantitative Assessments of Land Use Change.” *Environmental Modelling & Software* 82 (August 2016): 7–20. https://doi.org/10.1016/j.envsoft.2016.04.011.

Marshall, Deborah A., Lina Burgos-Liz, Maarten J. IJzerman, Nathaniel D. Osgood, William V. Padula, Mitchell K. Higashi, Peter K. Wong, Kalyan S. Pasupathy, and William Crown. “Applying Dynamic Simulation Modeling Methods in Health Care Delivery Research-The SIMULATE Checklist: Report of the ISPOR Simulation Modeling Emerging Good Practices Task Force.” *Value in Health* 18, no. 1 (January 2015): 5–16. https://doi.org/10.1016/j.jval.2014.12.001.

Marshall, Deborah A., Lina Burgos-Liz, Maarten J. Ijzerman, William Crown, William V. Padula, Peter K. Wong, Kalyan S. Pasupathy, Mitchell K. Higashi, and Nathaniel D. Osgood. “Selecting a Dynamic Simulation Modeling Method for Health Care Delivery Research Part 2: Report of the ISPOR Dynamic Simulation Modeling Emerging Good Practices Task Force.” *Value in Health* 18, no. 2 (March 2015): 147–60. https://doi.org/10.1016/j.jval.2015.01.006.

Martin, Romina, Maja Schluter, and Thorsten Blenckner. “The Importance of Transient Social Dynamics for Restoring Ecosystems beyond Ecological Tipping Points.” *Proceedings of the National Academy of Sciences*

of the United States of America 117, no. 5 (February 4, 2020): 2717–22. https://doi.org/10.1073/pnas.1817154117.

Mazhari, Esfandyar, Jiayun Zhao, Nurcin Celik, Seungho Lee, Young-Jun Son, and Larry Head. "Hybrid Simulation and Optimization-Based Design and Operation of Integrated Photovoltaic Generation, Storage Units, and Grid." *Simulation Modelling Practice and Theory* 19, no. 1 (January 2011): 463–81. https://doi.org/10.1016/j.simpat.2010.08.005.

McCabe, Annie, and Anthony Halog. "Exploring the Potential of Participatory Systems Thinking Techniques in Progressing SLCA." *International Journal of Life Cycle Assessment* 23, no. 3 (March 2018): 739–50. https://doi.org/10.1007/s11367-016-1143-4.

McGrath, G. Michael, Leonie Lockstone-Binney, Faith Ong, Elisabeth Wilson-Evered, Madelene Blaer, and Paul Whitelaw. "Teaching Sustainability in Tourism Education: A Teaching Simulation." *Journal of Sustainable Tourism*, n.d. (first published: July 2020) https://doi.org/10.1080/09669582.2020.1791892.

Meisser, Luzius, and C. Friedrich Kreuser. "An Agent-Based Simulation of the Stolper-Samuelson Effect." *Computational Economics* 50, no. 4 (December 2017): 533–47. https://doi.org/10.1007/s10614-016-9616-x.

Meng, Xiaoyan, Zongguo Wen, and Yi Qian. "Multi-Agent Based Simulation for Household Solid Waste Recycling Behavior." *Resources Conservation and Recycling* 128 (January 2018): 535–45. https://doi.org/10.1016/j.resconrec.2016.09.033.

Metcalf, Sara S., Mary E. Northridge, Michael J. Widener, Bibhas Chakraborty, Stephen E. Marshall, and Ira B. Lamster. "Modeling Social Dimensions of Oral Health Among Older Adults in Urban Environments." *Health Education & Behavior* 40 (October 2013): 63S-73S. https://doi.org/10.1177/1090198113493781.

Miller, Brian W., and Jeffrey T. Morisette. "Integrating Research Tools to Support the Management of Social-Ecological Systems under Climate Change." *Ecology and Society* 19, no. 3 (2014): 41. https://doi.org/10.5751/ES-06813-190341.

Millington, James D. A., Hang Xiong, Steve Peterson, and Jeremy Woods. "Integrating Modelling Approaches for Understanding Telecoupling: Global Food Trade and Local Land Use." *Land* 6, no. 3 (September 2017): 56. https://doi.org/10.3390/land6030056.

Mishra, Deepa, Sameer Kumar, and Elkafi Hassini. "Current Trends in Disaster Management Simulation Modelling Research." *Annals of Operations Research* 283, no. 1–2 (December 2019): 1387–1411. https://doi.org/10.1007/s10479-018-2985-x.

Mo, Junwen, Yilin Yin, and Mingxia Gao. "State of the Art of Correlation-Based Models of Project Scheduling Networks." *Ieee Transactions on Engineering Management* 55, no. 2 (May 2008): 349–58. https://doi.org/10.1109/TEM.2008.919702.

Mo, Weiwei, Zhongming Lu, Bistra Dilkina, Kevin H. Gardner, Ju-Chin Huang, and Maria Christina Foreman. "Sustainable and Resilient Design of Interdependent Water and Energy Systems: A Conceptual Modeling Framework for Tackling Complexities at the Infrastructure-Human-Resource Nexus." *Sustainability* 10, no. 6 (June 2018): 1845. https://doi.org/10.3390/su10061845.

Monks, Thomas, Christine S. M. Currie, Bhakti Stephan Onggo, Stewart Robinson, Martin Kunc, and Simon J. E. Taylor. "Strengthening the Reporting of Empirical Simulation Studies: Introducing the STRESS Guidelines." *Journal of Simulation* 13, no. 1 (January 2, 2019): 55–67. https://doi.org/10.1080/17477778.2018.1442155.

Morshed, Alexandra B., Matt Kasman, Benjamin Heuberger, Ross A. Hammond, and Peter S. Hovmand. "A Systematic Review of System Dynamics and Agent-Based Obesity Models: Evaluating Obesity as Part of the Global Syndemic." *Obesity Reviews* 20 (November 2019): 161–78. https://doi.org/10.1111/obr.12877.

Mostafavi, Ali, Dulcy Abraham, and Daniel DeLaurentis. "Ex-Ante Policy Analysis in Civil Infrastructure Systems." *Journal of Computing in Civil Engineering* 28, no. 5 (September 2014): A4014006. https://doi.org/10.1061/(ASCE)CP.1943-5487.0000350.

Motrichkin, K. V., and A. V. Stepanov. "FORECASTING REGION'S ECONOMY DEVELOPMENT UNDER THE CONDITIONS OF INCOMPLETE INFORMATION." *Actual Problems of Economics*, no. 137 (2012): 412–17.

Moyaux, Thierry, Peter McBurney, and Michael Wooldridge. "A Supply Chain as a Network of Auctions." *Decision Support Systems* 50, no. 1 (December 2010): 176–90. https://doi.org/10.1016/j.dss.2010.07.013.

Mueller, Christian, Ulrike Klein, and Angela Hof. "An Easy-to-Use Spatial Simulation for Urban Planning in Smaller Municipalities." *Computers Environment and Urban Systems* 71 (September 2018): 109–19. https://doi.org/10.1016/j.compenvurbsys.2018.05.002.

Mula, Josefa, Francisco Campuzano-Bolarin, Manuel Diaz-Madronero, and Katerine M. Carpio. "A System Dynamics Model for the Supply Chain Procurement Transport Problem: Comparing Spreadsheets, Fuzzy Programming and Simulation Approaches." *International Journal of Production Research* 51, no. 13 (July 1, 2013): 4087–4104. https://doi.org/10.1080/00207543.2013.774487.

Murphy, James T., Ray Walshe, and Marc Devocelle. "A Theoretical Analysis of the Prodrug Delivery System for Treating Antibiotic-Resistant Bacteria." *Ieee-Acm Transactions on Computational Biology and Bioinformatics* 8, no. 3 (June 2011): 650–58. https://doi.org/10.1109/TCBB.2010.58.

Murphy, John T. "Exploring Complexity with the Hohokam Water Management Simulation: A Middle Way for Archaeological Modeling." *Ecological Modelling* 241 (August 24, 2012): 15–29. https://doi.org/10.1016/j.ecolmodel.2011.12.026.

Mustafee, Navonil, Korina Katsaliaki, and Simon J. E. Taylor. "Profiling Literature in Healthcare Simulation." *Simulation-Transactions of the Society for Modeling and Simulation International* 86, no. 8–9 (August 2010): 543–58. https://doi.org/10.1177/0037549709359090.

Mykoniatis, Konstantinos, and Anastasia Angelopoulou. "A Modeling Framework for the Application of Multi-Paradigm Simulation Methods." *Simulation-Transactions of the Society for Modeling and Simulation International* 96, no. 1 (January 2020): 55–73. https://doi.org/10.1177/0037549719843339.

Nassehi, Aydin, and Marcello Colledani. "A Multi-Method Simulation Approach for Evaluating the Effect of the Interaction of Customer Behaviour and Enterprise Strategy on Economic Viability of Remanufacturing." *Cirp Annals-Manufacturing Technology* 67, no. 1 (2018): 33–36. https://doi.org/10.1016/j.cirp.2018.04.016.

Navarro, Andres, and Francisco J. Tapiador. "RUSEM: A Numerical Model for Policymaking and Climate Applications." *Ecological Economics* 165 (November 2019): 106403. https://doi.org/10.1016/j.ecolecon.2019.106403.

Neuwirth, Christian, Barbara Hofer, and Angela Peck. "Spatiotemporal Processes and Their Implementation in Spatial System Dynamics Models." *Journal of Spatial Science* 60, no. 2 (July 3, 2015): 277–88. https://doi.org/10.1080/14498596.2015.997316.

Nguyen, Le Khanh Ngan, Itamar Megiddo, and Susan Howick. "Simulation Models for Transmission of Health Care-Associated Infection: A Systematic Review." *American Journal of Infection Control* 48, no. 7 (July 2020): 810–21. https://doi.org/10.1016/j.ajic.2019.11.005.

Nikolic, Vladimir V., Slobodan P. Simonovic, and Dragan B. Milicevic. "Analytical Support for Integrated Water Resources Management: A New Method for Addressing Spatial and Temporal Variability." *Water Resources Management* 27, no. 2 (January 2013): 401–17. https://doi.org/10.1007/s11269-012-0193-z.

Northridge, Mary E., and Sara S. Metcalf. "Enhancing Implementation Science by Applying Best Principles of Systems Science." *Health Research Policy and Systems* 14 (October 4, 2016): 74. https://doi.org/10.1186/s12961-016-0146-8.

Oakes, J. Michael. "Invited Commentary: Rescuing Robinson Crusoe." *American Journal of Epidemiology* 168, no. 1 (July 1, 2008): 9–12. https://doi.org/10.1093/aje/kwn117.

Olah, Judit, Eszter Krisan, Anna Kiss, Zoltan Lakner, and Jozsef Popp. "PRISMA Statement for Reporting Literature Searches in Systematic Reviews of the Bioethanol Sector." *Energies* 13, no. 9 (May 2020): 2323. https://doi.org/10.3390/en13092323.

Ouyang, Min. "Review on Modeling and Simulation of Interdependent Critical Infrastructure Systems." *Reliability Engineering & System Safety* 121 (January 2014): 43–60. https://doi.org/10.1016/j.ress.2013.06.040.

Oztanriseven, Furkan, and Heather Nachtmann. "Modeling Dynamic Behavior of Navigable Inland Waterways." *Maritime Economics & Logistics* 22, no. 2 (June 2020): 173–95. https://doi.org/10.1057/s41278-019-00127-5.

Padek, Margaret, Peg Allen, Paul C. Erwin, Melissa Franco, Ross A. Hammond, Benjamin Heuberger, Matt Kasman, et al. "Toward Optimal Implementation of Cancer Prevention and Control Programs in Public Health: A Study Protocol on Mis-Implementation." *Implementation Science* 13 (March 23, 2018): 49. https://doi.org/10.1186/s13012-018-0742-9.

Paez-Perez, David, and Mauricio Sanchez-Silva. "A Dynamic Principal-Agent Framework for Modeling the Performance of Infrastructure." *European Journal of Operational Research* 254, no. 2 (October 16, 2016): 576–94. https://doi.org/10.1016/j.ejor.2016.03.027.

Palazzo, Joseph, Roland Geyer, and Sangwon Suh. "A Review of Methods for Characterizing the Environmental Consequences of Actions in Life Cycle Assessment." *Journal of Industrial Ecology* 24, no. 4 (August 2020): 815–29. https://doi.org/10.1111/jiec.12983.

Parunak, H. V., R. Savit, and R. L. Riolo. “Agent-Based Modeling vs. Equation-Based Modeling: A Case Study and Users ’ Guide.” In *Multi-Agent Systems and Agent-Based Simulation*, edited by J. S. Sichman, R. Conte, and N. Gilert, 1534:10–25. Berlin: Springer-Verlag Berlin, 1998.

Pasaoglu, Guzay, Gillian Harrison, Lee Jones, Andrew Hill, Alexandre Beaudet, and Christian Thiel. “A System Dynamics Based Market Agent Model Simulating Future Powertrain Technology Transition: Scenarios in the EU Light Duty Vehicle Road Transport Sector.” *Technological Forecasting and Social Change* 104 (March 2016): 133–46. https://doi.org/10.1016/j.techfore.2015.11.028.

Pfaffenbichler, Paul, Guenter Emberger, and Simon Shepherd. “A System Dynamics Approach to Land Use Transport Interaction Modelling: The Strategic Model MARS and Its Application.” *System Dynamics Review* 26, no. 3 (September 2010): 262–82. https://doi.org/10.1002/sdr.451.

Ponnambalam, Kumaraswamy, and S. Jamshid Mousavi. “CHNS Modeling for Study and Management of Human-Water Interactions at Multiple Scales.” *Water* 12, no. 6 (June 2020): 1699. https://doi.org/10.3390/w12061699.

Powell, J. H., and R. G. Coyle. “Identifying Strategic Action in Highly Politicized Contexts Using Agent-Based Qualitative System Dynamics.” *Journal of the Operational Research Society* 56, no. 7 (July 2005): 787–98. https://doi.org/10.1057/palgrave.jors.2601869.

Rahmandad, Hazhir, and John Sterman. “Heterogeneity and Network Structure in the Dynamics of Diffusion: Comparing Agent-Based and Differential Equation Models.” *Management Science* 54, no. 5 (May 2008): 998–1014. https://doi.org/10.1287/mnsc.1070.0787.

Rashedi, Roozbeh, and Tarek Hegazy. “Strategic Policy Analysis for Infrastructure Rehabilitation Using System Dynamics.” *Structure and Infrastructure Engineering* 12, no. 6 (June 2, 2016): 667–81. https://doi.org/10.1080/15732479.2015.1038723.

Ratze, Cedric, Francois Gillet, Jean-Pierre Muller, and Kilian Stoffel. “Simulation Modelling of Ecological Hierarchies in Constructive Dynamical Systems.” *Ecological Complexity* 4, no. 1–2 (March 2007): 13–25. https://doi.org/10.1016/j.ecocom.2007.02.014.

Riva, Fabio, Emanuela Colombo, and Carlo Piccardi. “Towards Modelling Diffusion Mechanisms for Sustainable Off-Grid Electricity Planning.” *Energy for Sustainable Development* 52 (October 2019): 11–25. https://doi.org/10.1016/j.esd.2019.06.005.

Riva, Fabio, Annalisa Tognollo, Francesco Gardumi, and Emanuela Colombo. “Long-Term Energy Planning and Demand Forecast in Remote Areas of Developing Countries: Classification of Case Studies and Insights from a Modelling Perspective.” *Energy Strategy Reviews* 20 (April 2018): 71–89. https://doi.org/10.1016/j.esr.2018.02.006.

Robinson, D. T., D. Murray-Rust, V. Rieser, V. Milicic, and M. Rounsevell. “Modelling the Impacts of Land System Dynamics on Human Well-Being: Using an Agent-Based Approach to Cope with Data Limitations in Koper, Slovenia.” *Computers Environment and Urban Systems* 36, no. 2 (March 2012): 164–76. https://doi.org/10.1016/j.compenvurbsys.2011.10.002.

Romero, Elena, and M. Carmen Ruiz. “Proposal of an Agent-Based Analytical Model to Convert Industrial Areas in Industrial Eco-Systems.” *Science of the Total Environment* 468 (January 15, 2014): 394–405. https://doi.org/10.1016/j.scitotenv.2013.08.049.

Roy, Sumanta, Shanmugam Prasanna Venkatesan, and Mark Goh. “Healthcare Services: A Systematic Review of Patient-Centric Logistics Issues Using Simulation.” *Journal of the Operational Research Society*, n.d. (first published: August 2020) https://doi.org/10.1080/01605682.2020.1790306.

Sahay, Nihar, and Marianthi Ierapetritou. “Supply Chain Management Using an Optimization Driven Simulation Approach.” *Aiche Journal* 59, no. 12 (December 2013): 4612–26. https://doi.org/10.1002/aic.14226.

Sanchez-Segura, Maria-Isabel, German-Lenin Dugarte-Pena, Fuensanta Medina-Dominguez, and Cynthya Garcia de Jesus. “System Dynamics and Agent-Based Modelling to Represent Intangible Process Assets Characterization.” *Kybernetes* 47, no. 2 (2018): 289–306. https://doi.org/10.1108/K-03-2017-0102.

Schwab, Leila, Stefan Gold, and Gerald Reiner. “Exploring Financial Sustainability of SMEs during Periods of Production Growth: A Simulation Study.” *International Journal of Production Economics* 212 (June 2019): 8–18. https://doi.org/10.1016/j.ijpe.2018.12.023.

Schwarz, Nina, Dagmar Haase, and Ralf Seppelt. “Omnipresent Sprawl? A Review of Urban Simulation Models with Respect to Urban Shrinkage.” *Environment and Planning B-Planning & Design* 37, no. 2 (April 2010): 265–83. https://doi.org/10.1068/b35087.

Senna Carneiro, Tiago Garcia de, Pedro Ribeiro de Andrade, Gilberto Camara, Antonio Miguel Vieira Monteiro, and Rodrigo Reis Pereira. “An Extensible Toolbox for Modeling Nature-Society Interactions.” *Environmental Modelling & Software* 46 (August 2013): 104–17. https://doi.org/10.1016/j.envsoft.2013.03.002.

Shafiei, Ehsan, Hlynur Stefansson, Eyjolfur Ingi Asgeirsson, Brynhildur Davidsdottir, and Marco Raberto. "Integrated Agent-Based and System Dynamics Modelling for Simulation of Sustainable Mobility." *Transport Reviews* 33, no. 1 (January 1, 2013): 44–70. https://doi.org/10.1080/01441647.2012.745632.

Sharpanskykh, Alexei. "Agent-Based Modeling and Analysis of Socio-Technical Systems." *Cybernetics and Systems* 42, no. 5 (2011): 308–23. https://doi.org/10.1080/01969722.2011.595332.

Shastri, Yogendra, Luis Rodriguez, Alan Hansen, and K. C. Ting. "Agent-Based Analysis of Biomass Feedstock Production Dynamics." *Bioenergy Research* 4, no. 4 (December 2011): 258–75. https://doi.org/10.1007/s12155-011-9139-1.

Shen, Weiming, Qi Hao, Hyun Joong Yoon, and Douglas H. Norrie. "Applications of Agent-Based Systems in Intelligent Manufacturing: An Updated Review." *Advanced Engineering Informatics* 20, no. 4 (October 2006): 415–31. https://doi.org/10.1016/j.aei.2006.05.004.

Shirazi, Abbas Sarraf, Sebastian von Mammen, and Christian Jacob. "Abstraction of Agent Interaction Processes: Towards Large-Scale Multi-Agent Models." *Simulation-Transactions of the Society for Modeling and Simulation International* 89, no. 4 (April 2013): 524–38. https://doi.org/10.1177/0037549712470733.

Siebers, Peer-Olaf, Zhi En Lim, Grazziela P. Figueredo, and James Hey. "An Innovative Approach to Multi-Method Integrated Assessment Modelling of Global Climate Change." *Jasss-the Journal of Artificial Societies and Social Simulation* 23, no. 1 (January 31, 2020): 10. https://doi.org/10.18564/jasss.4209.

Smith, Edward Bishop, and William Rand. "Simulating Macro-Level Effects from Micro-Level Observations." *Management Science* 64, no. 11 (November 2018): 5405–21. https://doi.org/10.1287/mnsc.2017.2877.

Song, Xiaohua, Mengdi Shu, Yimeng Wei, and Jinpeng Liu. "A Study on the Multi-Agent Based Comprehensive Benefits Simulation Analysis and Synergistic Optimization Strategy of Distributed Energy in China." *Energies* 11, no. 12 (December 2018): 3260. https://doi.org/10.3390/en11123260.

Stankov, Ivana, Leandro M. T. Garcia, Maria Antonietta Mascolli, Felipe Montes, Jose D. Meisel, Nelson Gouveia, Olga L. Sarmiento, et al. "A Systematic Review of Empirical and Simulation Studies Evaluating the Health Impact of Transportation Interventions." *Environmental Research* 186 (July 2020): 109519. https://doi.org/10.1016/j.envres.2020.109519.

Suh, Eun Suk, and Olivier Ladislas de Weck. "Modeling Prize-Based Open Design Challenges: General Framework and FANG-1 Case Study." *Systems Engineering* 21, no. 4 (July 2018): 295–306. https://doi.org/10.1002/sys.21434.

Swinerd, C., and K. R. McNaught. "Simulating the Diffusion of Technological Innovation with an Integrated Hybrid Agent-Based System Dynamics Model." *Journal of Simulation* 8, no. 3 (August 2014): 231–40. https://doi.org/10.1057/jos.2014.2.

Swinerd, Chris, and Ken R. McNaught. "Comparing a Simulation Model with Various Analytic Models of the International Diffusion of Consumer Technology." *Technological Forecasting and Social Change* 100 (November 2015): 330–43. https://doi.org/10.1016/j.techfore.2015.08.003.

———. "Design Classes for Hybrid Simulations Involving Agent-Based and System Dynamics Models." *Simulation Modelling Practice and Theory* 25 (June 2012): 118–33. https://doi.org/10.1016/j.simpat.2011.09.002.

Terzi, Stefano, Silvia Torresan, Stefan Schneiderbauer, Andrea Critto, Marc Zebisch, and Antonio Marcomini. "Multi-Risk Assessment in Mountain Regions: A Review of Modelling Approaches for Climate Change Adaptation." *Journal of Environmental Management* 232 (February 15, 2019): 759–71. https://doi.org/10.1016/j.jenvman.2018.11.100.

Thompson, Kate, and Peter Reimann. "Patterns of Use of an Agent-Based Model and a System Dynamics Model: The Application of Patterns of Use and the Impacts on Learning Outcomes." *Computers & Education* 54, no. 2 (February 2010): 392–403. https://doi.org/10.1016/j.compedu.2009.08.020.

Verburg, Peter H. "Simulating Feedbacks in Land Use and Land Cover Change Models." *Landscape Ecology* 21, no. 8 (November 2006): 1171–83. https://doi.org/10.1007/s10980-006-0029-4.

Vincenot, Christian E., Fabrizio Carteni, Stefano Mazzoleni, Max Rietkerk, and Francesco Giannino. "Spatial Self-Organization of Vegetation Subject to Climatic Stress Insights from a System Dynamics Individual-Based Hybrid Model." *Frontiers in Plant Science* 7 (May 24, 2016): 636. https://doi.org/10.3389/fpls.2016.00636.

Vincenot, Christian Ernest, Francesco Giannino, Max Rietkerk, Kazuyuki Moriya, and Stefano Mazzoleni. "Theoretical Considerations on the Combined Use of System Dynamics and Individual-Based Modeling in Ecology." *Ecological Modelling* 222, no. 1 (January 10, 2011): 210–18. https://doi.org/10.1016/j.ecolmodel.2010.09.029.

Vizzari, Giuseppe, Lorenza Manenti, Kazumichi Ohtsuka, and Kenichiro Shimura. “An Agent-Based Pedestrian and Group Dynamics Model Applied to Experimental and Real-World Scenarios.” *Journal of Intelligent Transportation Systems* 19, no. 1 (January 2, 2015): 32–44. https://doi.org/10.1080/15472450.2013.856718.

Walker, B. H., and M. A. Janssen. “Rangelands, Pastoralists and Governments: Interlinked Systems of People and Nature.” *Philosophical Transactions of the Royal Society B-Biological Sciences* 357, no. 1421 (May 29, 2002): 719–25. https://doi.org/10.1098/rstb.2001.0984.

Wallentin, Gudrun, and Christian Neuwirth. “Dynamic Hybrid Modelling: Switching between AB and SD Designs of a Predator-Prey Model.” *Ecological Modelling* 345 (February 10, 2017): 165–75. https://doi.org/10.1016/j.ecolmodel.2016.11.007.

Wang, Bochao, Severin Breme, and Young B. Moon. “Hybrid Modeling and Simulation for Complementing Lifecycle Assessment.” *Computers & Industrial Engineering* 69 (March 2014): 77–88. https://doi.org/10.1016/j.cie.2013.12.016.

Wang, Bochao, and Young B. Moon. “Hybrid Modeling and Simulation for Innovation Deployment Strategies.” *Industrial Management & Data Systems* 113, no. 1–2 (2013): 136–54. https://doi.org/10.1108/02635571311289719.

Wang, Huihui, Jiarui Zhang, and Weihua Zeng. “Intelligent Simulation of Aquatic Environment Economic Policy Coupled ABM and SD Models.” *Science of the Total Environment* 618 (March 15, 2018): 1160–72. https://doi.org/10.1016/j.scitotenv.2017.09.184.

Wang, Jidong, Jiahui Wu, and Yanbo Che. “Agent and System Dynamics-Based Hybrid Modeling and Simulation for Multilateral Bidding in Electricity Market.” *Energy* 180 (August 1, 2019): 444–56. https://doi.org/10.1016/j.energy.2019.04.180.

Wang, Minghao, and Xiaolin Hu. “Data Assimilation in Agent Based Simulation of Smart Environments Using Particle Filters.” *Simulation Modelling Practice and Theory* 56 (August 2015): 36–54. https://doi.org/10.1016/j.simpat.2015.05.001.

Wang, Mo, Le Zhou, and Zhen Zhang. “Dynamic Modeling.” In *Annual Review of Organizational Psychology and Organizational Behavior, Vol 3*, edited by F. P. Morgeson, 3:241–66. Palo Alto: Annual Reviews, 2016. https://doi.org/10.1146/annurev-orgpsych-041015-062553.

Wen, Jian, Yu Xin Chen, Neema Nassir, and Jinhua Zhao. “Transit-Oriented Autonomous Vehicle Operation with Integrated Demand-Supply Interaction.” *Transportation Research Part C-Emerging Technologies* 97 (December 2018): 216–34. https://doi.org/10.1016/j.trc.2018.10.018.

Wu, C.-H. J., Z. Shi, D. Ben-Arieh, S. Q. Simpson, and D. Peterson. “Agent-Based Model with Embedded System Dynamics: A Simulation Tool for Modeling Progression of Acute Inflammatory Responses.” *American Journal of Respiratory and Critical Care Medicine* 181 (2010).

Wu, Chengke, Chunjiang Chen, Rui Jiang, Peng Wu, Bo Xu, and Jun Wang. “Understanding Laborers’ Behavioral Diversities in Multinational Construction Projects Using Integrated Simulation Approach.” *Engineering Construction and Architectural Management* 26, no. 9 (2019): 2120–46. https://doi.org/10.1108/ECAM-07-2018-0281.

Wu, Desheng Dash, Xie Kefan, Liu Hua, Zhao Shi, and David L. Olson. “Modeling Technological Innovation Risks of an Entrepreneurial Team Using System Dynamics: An Agent-Based Perspective.” *Technological Forecasting and Social Change* 77, no. 6 (July 2010): 857–69. https://doi.org/10.1016/j.techfore.2010.01.015.

Xia, Ni, Bin Hu, and Fengzhen Jiang. “An Exploration for Knowledge Evolution Affected by Task Assignment in a Research and Development Team: Perspectives of Learning Obtained through Practice and Communication.” *Simulation-Transactions of the Society for Modeling and Simulation International* 92, no. 7 (July 2016): 649–68. https://doi.org/10.1177/0037549716655609.

Xue, H., L. Slivka, T. Igusa, T. T. Huang, and Y. Wang. “Applications of Systems Modelling in Obesity Research.” *Obesity Reviews* 19, no. 9 (September 2018): 1293–1308. https://doi.org/10.1111/obr.12695.

Yang, Mei, Yong Peng, Ru-Sheng Ju, Xiao Xu, Quan-Jun Yin, and Ke-Di Huang. “A Lookahead Behavior Model for Multi-Agent Hybrid Simulation.” *Applied Sciences-Basel* 7, no. 10 (October 2017): 1095. https://doi.org/10.3390/app7101095.

Ying, Kuo-Ching, and Cholada Kittipittayakorn. “Combining Discrete Event and Agent-based Simulation for Reducing Draftee’s Waiting Time in Physical Examination Centers.” *International Journal of Industrial Engineering-Theory Applications and Practice* 25, no. 2 (2018): 175–85.

Yu, Qiangyi, Wenbin Wu, Peter H. Verburg, Jasper van Vliet, Peng Yang, Qingbo Zhou, and Huajun Tang. “A Survey-Based Exploration of Land-System Dynamics in an Agricultural Region of Northeast China.” *Agricultural Systems* 121 (October 2013): 106–16. https://doi.org/10.1016/j.agsy.2013.06.006.

Yu, Song-min, Ying Fan, Lei Zhu, and Wolfgang Eichhammer. “Modeling the Emission Trading Scheme from an Agent-Based Perspective: System Dynamics Emerging from Firms’ Coordination among Abatement Options.” *European Journal of Operational Research* 286, no. 3 (November 1, 2020): 1113–28. https://doi.org/10.1016/j.ejor.2020.03.080.

Zhao, Jiayun, Esfandyar Mazhari, Nurcin Celik, and Young-Jun Son. “Hybrid Agent-Based Simulation for Policy Evaluation of Solar Power Generation Systems.” *Simulation Modelling Practice and Theory* 19, no. 10 (November 2011): 2189–2205. https://doi.org/10.1016/j.simpat.2011.07.005.