

Sr	Authors	Title	Publication	Volume	Number	Pages	Year	Publisher
1	Juan, Angel A; Panadero, Javier; Reyes-Rubiano, Lorena; Faulin, Javier; de la Torre, Rocio; Latorre, Ignacio;	Simulation-based optimization in transportation and logistics: Comparing sample average approximation with simheuristics	2019 Winter Simulation Conference (WSC)			1906-1917	2019	IEEE
2	Billar, Bahar; Wolf, Elliot; Yücesan, Enver;	Inventory management under disruption risk	2019 Winter Simulation Conference (WSC)			1918-1929	2019	IEEE
3	Onggo, Bhakti Stephan; Juan, Angel A; Panadero, Javier; Corlu, Canan G; Agustin, Alba;	An inventory-routing problem with stochastic demand and stock-out: A solution and risk analysis using simheuristics	2019 Winter Simulation Conference (WSC)			1977-1988	2019	IEEE
4	Singh, Nitish; Herps, Koen; Martagan, Tugce; Adan, Ivo JBF;	> Simulation-Based Performance Evaluation of A Manufacturing Facility with Vertical As/Rs	2019 Winter Simulation Conference (WSC)			2001-2012	2019	IEEE
5	Ziarnetzky, Timm; Mönch, Lars; Ponsignon, Thomas; Ehm, Hans;	Integrated planning of production and engineering activities in semiconductor supply chains: A simulation study	2019 Winter Simulation Conference (WSC)			2324-2335	2019	IEEE
6	Mousavi, Behrouz Alizadeh; Azzouz, Radhia; Heavey, Cathal; Ehm, Hans;	Simulation-based analysis of the nervousness within semiconductors supply chain planning: insight from a case study	2019 Winter Simulation Conference (WSC)			2396-2407	2019	IEEE
7	Fatma, Najiya; Mohd, Shoaib; Ramamohan, Varun; Mustafee, Navonil;	Primary healthcare delivery network simulation using stochastic metamodels	2020 winter simulation conference (wsc)			818-829	2020	IEEE

8	Trott, Maik; von Viebahn, Christoph; der Landwehr, Marvin Auf;	Towards a more sustainable future? Simulating the environmental impact of online and offline grocery supply chains	2020 Winter Simulation Conference (WSC)			1218-1229	2020	IEEE
9	Rabe, Markus; Chicaiza-Vaca, Jorge; Tordecilla, Rafael D; Juan, Angel A;	A simulation-optimization approach for locating automated parcel lockers in urban logistics operations	2020 Winter simulation conference (WSC)			1230-1241	2020	IEEE
10	Arani, Mohammad; Liu, Xian; Abdolmaleki, Saeed;	Scenario-based simulation approach for an integrated inventory blood supply chain system	2020 Winter Simulation Conference (WSC)			1348-1359	2020	IEEE
11	Cherkesly, Marilène; Maïzi, Yasmina;	A simulation model for short and long term humanitarian supply chain operations management	2020 Winter Simulation Conference (WSC)			1360-1371	2020	IEEE
12	Grabis, Jānis;	Product life cycle perspective on ICT product supply chain resilience	2020 Winter Simulation Conference (WSC)			1444-1455	2020	IEEE
13	Afridi, Muhammad Tariq; Nieto-Isaza, Santiago; Ehm, Hans; Ponsignon, Thomas; Hamed, Abdelgafar;	A deep reinforcement learning approach for optimal replenishment policy in a vendor managed inventory setting for semiconductors	2020 Winter Simulation Conference (WSC)			1753-1764	2020	IEEE
14	Corlu, Canan Gunes; Biller, Bahar; Wolf, Elliot; Yücesan, Enver;	Inventory management with disruption risk	2020 Winter Simulation Conference (WSC)			2625-2636	2020	IEEE
15	Wang, Keqi; Xie, Wei; Wang, Bo; Pei, Jinxiang; Wu, Wencen; Baker, Mike; Zhou, Qi;	Simulation-based digital twin development for blockchain enabled end-to-end industrial hemp supply chain risk management	2020 Winter Simulation Conference (WSC)			3200-3211	2020	IEEE

16	Lostumbo, Marisa A; Saiz, Miguel; Juan, Angel A; Lopez-Lopez, David; Calvet, Laura;	Combining simulation with reliability analysis in supply chain project management under uncertainty: a case study in healthcare	2021 Winter Simulation Conference (WSC)			01-Nov	2021	IEEE
17	Reichardt, Paul; Hofmann, Wladimir; Reggelin, Tobias; Lang, Sebastian;	From logistics process models to automated integration testing: proof-of-concept using open-source simulation software	2021 Winter Simulation Conference (WSC)			01-Nov	2021	IEEE
18	Onggo, Bhakti Stephan; Currie, Christine; Perdana, Tomy; Fauzi, Gheo Rahmat; Achmad, Audi Luqmanul Hakim; Endyana, Cipta;	Relief food supply network simulation	2021 Winter Simulation Conference (WSC)			01-Dec	2021	IEEE
19	Seiringer, Wolfgang; Altendorfer, Klaus; Felberbauer, Thomas;	Simulation of stochastic rolling horizon forecast behavior with applied outlier correction to increase forecast accuracy	2021 Winter Simulation Conference (WSC)			01-Dec	2021	IEEE
20	Jaenichen, Friedrich-Maximilian; Liepold, Christina Johanna; Ismail, Abdelgafar; Martens, Christian James; Dörrsam, Volker; Ehm, Hans;	Simulating and evaluating supply chain disruptions along an end-to-end semiconductor automotive supply chain	2021 Winter Simulation Conference (WSC)			01-Dec	2021	IEEE
21	Liu, Lixing; Gurney, Nikolos; McCullough, Kyle; Ustun, Volkan;	Graph neural network based behavior prediction to support multi-agent reinforcement learning in military training simulations	2021 Winter Simulation Conference (WSC)			01-Dec	2021	IEEE
22	Czerniak, Lauren L; Daskin, Mark S; Lavieri, Mariel S; Sweet, Burgunda V; Erley, Jennifer; Tupps, Matthew A;	Improving simulation optimization run time when solving for periodic review inventory policies in a pharmacy	2021 Winter Simulation Conference (WSC)			01-Dec	2021	IEEE

23	Viana, Joe; Van Oorschot, Kim; Årdal, Christine;	Assessing resilience of medicine supply chain networks to disruptions: a proposed hybrid simulation modeling framework	2021 Winter Simulation Conference (WSC)			01-Dec	2021	IEEE
24	Van Schilt, Isabelle M; Kwakkel, Jan H; Mense, Jelte P; Verbraeck, Alexander;	Calibrating Simulation Models with Sparse Data: Counterfeit Supply Chains During Covid-19	2022 Winter Simulation Conference (WSC)			496-507	2022	IEEE
25	Hashemi, Layla; Jeng, Chu Chuan; Mohiuddin, Ahna; Huang, Edward; Shelley, Louise;	Simulating Counterfeit Personal Protective Equipment (PPE) Supply Chains During Covid-19	2022 Winter Simulation Conference (WSC)			521-532	2022	IEEE
26	Maghoulan, Samaneh; Ondemir, Hande Musdal; Dehghanimohammadabadi, Mohammad;	COVID-19 Supply Chain Planning: A Simulation-Optimization Approach	2022 Winter Simulation Conference (WSC)			533-544	2022	IEEE
27	Feng, B; Pedrielli, G; Peng, Y; Shashaani, S; Song, E; Corlu, CG; Lee, LH; Chew, EP; Roeder, T; Lendermann, P;	BLOODCHAINSIM—A SIMULATION ENVIRONMENT TO EVALUATE DIGITAL INNOVATIONS IN BLOOD SUPPLY CHAINS						
28	Bland, William S; Hong, Andrew E; Rayson, Lauren A; Richkus, Jennifer A; Rosen, Scott L;	A System Dynamics Model for Studying the Resiliency of Supply Chains and Informing Mitigation Policies for Responding to Disruptions	2022 Winter Simulation Conference (WSC)			1235-1246	2022	IEEE
29	Nam, So-Hyun; Oh, Seung-Heon; Yoon, Hee-Chang; Cho, Young-In; Cho, Ki-Young; Kwak, Dong-Hoon; Woo, Jong Hun;	Development of DES Application for Factory Material Flow Simulation With SimPy	2022 Winter Simulation Conference (WSC)			1545-1556	2022	IEEE

30	Khadri, Ines Julia; Viana, Joe;	Simulation of it Data Integration to Optimize an Antibiotics Supply Chain with System Dynamics	2022 Winter Simulation Conference (WSC)			1569-1580	2022	IEEE
31	Kothamasu, Monica; Perez, Eduardo; Mendez-Mediavilla, Francis A;	Modeling and Simulation of Food Bank Disaster Relief Operations	2022 Winter Simulation Conference (WSC)			1614-1624	2022	IEEE
32	Islam, Md Zahidul; Roozeboom, Nettie; Gunderson, Payton; Li, Xueping; Yu, Andrew Junfang;	An Agent-Based Simulation Model to Mitigate the Bull Whip Effect Via Information Sharing and Risk Pooling	2022 Winter Simulation Conference (WSC)			1636-1647	2022	IEEE
33	Rippel, Daniel; Lütjen, Michael; Freitag, Michael;	Simulation-Based Order Management for the Animal Feed Industry	2022 Winter Simulation Conference (WSC)			1625-1635	2022	IEEE
34	Malde, Avnish Kishor; Işık, Tuğçe; Lockaby, Ryan; Gantt, Art; Thumser, Guenter;	Optimal Team Formation and Job Assignment to Optimize Warehouse Operations	2022 Winter Simulation Conference (WSC)			1772-1782	2022	IEEE
35	Mafia, Marina Meireles Pereira; Da Silva, Elias Ribeiro; Bilberg, Arne;	Carbon policies in network distribution: A simulation approach for sustainable supply chains	2022 Winter Simulation Conference (WSC)			1830-1840	2022	IEEE
36	Mages, Alexander; Mieth, Carina; Hetzler, Jens; Kallat, Fadil; Rehof, Jakob; Riest, Christian; Schäfer, Tristan;	Automatic component-based synthesis of user-configured manufacturing simulation models	2022 Winter Simulation Conference (WSC)			1841-1852	2022	IEEE
37	Chong, Chin Soon; Tan, Chin Sheng; Tan, Peng Yu; Tnay, Guan Leong; Lin, Yang Kuei;	Development of a Data-Driven Simulation Model for an Assembly-To-Order System	2022 Winter Simulation Conference (WSC)			1853-1863	2022	IEEE

38	Diaz, Manuel Fernando Lopera; Ehm, Hans; Ismail, Abdelgafar;	Simulated-Based Analysis of Recovery Actions Under Vendor-Managed Inventory Amid Black Swan Disruptions in the Semiconductor Industry: A Case Study from Infineon Technologies AG	2022 Winter Simulation Conference (WSC)			3513-3524	2022	IEEE
39	Cen, Wang; Haas, Peter J;	Enhanced simulation metamodeling via graph and generative neural networks	2022 Winter Simulation Conference (WSC)			2748-2759	2022	IEEE
40	Nag, Bodhibrata; Pal, Ranjan;	Simulation optimization for supply chain decision making	2022 Winter Simulation Conference (WSC)			2853-2863	2022	IEEE
41	Xu, Xinglu; Liu, Bochi; Guo, Weihong Grace;	A Simulation-Based Method For Analyzing Supply Chain Vulnerability Under Pandemic: A Special Focus On The Covid-19	2023 Winter Simulation Conference (WSC)			243-254	2023	IEEE
42	Doroudi, Rozhin; Ergun, Ozlem; Griffin, Jacqueline; Marsella, Stacy;	Effects of Timing of Agents' Reactions in Pharmaceutical Supply Chains under Disruption	2023 Winter Simulation Conference (WSC)			710-721	2023	IEEE
43	Hartwick, Anna; Ismail, Abdelgafar; Novais, Beatriz Kalil Valladão; Zeeshan, Mohammed; Ehm, Hans;	System Dynamics Simulation of External Supply Chain Disruptions on a Simplified Semiconductor Supply Chain	2023 Winter Simulation Conference (WSC)			863-874	2023	IEEE
44	Biller, Stephan; Venditti, Paul; Yi, Jinxin; Jiang, Xi; Biller, Bahar;	Simulation-Driven Digital Twins: the Dna of Resilient Supply Chains	2023 Winter Simulation Conference (WSC)			1463-1477	2023	IEEE
45	Staff, Marta; Mustafee, Navonil; Shenker, Natalie;	Conceptual Modeling for Perishable Inventory: A Case Study in Human Milk Banking	2023 Winter Simulation Conference (WSC)			1208-1219	2023	IEEE

46	Bland, William S; Escobar, Lissette; Hong, Andrew E; Kenneally, Grace; Liberatore, AJ; Rosen, Scott L;	A Hybrid System Dynamics/Input-Output Model for Studying the Impact of Transportation Delays on the Resiliency of National Supply Chains	2023 Winter Simulation Conference (WSC)			1280-1291	2023	IEEE
47	Lei, Rong; Saleh, Samar; Guo, Weihong Grace; Elsayed, Elsayed A; Roberts, Fred S; Kantor, Paul;	Evaluating the Effectiveness of Countermeasures in ICT Supply Chains Through Elicitation-Informed Simulation	2023 Winter Simulation Conference (WSC)			1292-1303	2023	IEEE
48	Rahoui, Siham; Crowe, John; Mahfouz, Amr;	A Simulation-Based TDABC Model to Manage Supply Chain Costing: A Case Study	2023 Winter Simulation Conference (WSC)			1653-1664	2023	IEEE
49	Cheng, Liqiang; Luo, Jun; Fan, Weiwei; Zhang, Yidong; Li, Yuan;	A Deep Q-Network Based on Radial Basis Functions for Multi-Echelon Inventory Management	2023 Winter Simulation Conference (WSC)			1581-1592	2023	IEEE
50	Camur, Mustafa Can; Thanos, Aristotelis E; Yund, Walter; Tseng, Chin-Yuan; White, Chelsea C; Iakovou, Eleftherios;	An integrated system dynamics and discrete event supply chain simulation framework for supply chain resilience with non-stationary pandemic demand	2023 Winter Simulation Conference (WSC)			1617-1628	2023	IEEE
51	Seiringer, Wolfgang; Altendorfer, Klaus; Felberbauer, Thomas;	Simulating the Impact of Forecast Related Overbooking and Underbooking Behavior on MRP Planning and a Reorder Point System	2023 Winter Simulation Conference (WSC)			1688-1699	2023	IEEE
52	Van Den Houten, Kim; De Weerd, Mathijs; Tax, David MJ; Freydel, Esteban; Christoupoulou, Eva; Nati, Alessandro;	Rolling-Horizon Simulation Optimization For A Multi-Objective Biomanufacturing Scheduling Problem	2023 Winter Simulation Conference (WSC)			1912-1923	2023	IEEE

53	Chari, Arpita; Marti, Silvan; Johansson, Björn; Despeisse, Mélanie; Stahre, Johan; Lopes, Paulo Victor;	Modeling Risk Prioritization of a Manufacturing Supply Chain using Discrete Event Simulation	2023 Winter Simulation Conference (WSC)			2064-2075	2023	IEEE
54	Lugaresi, Giovanni; Jemai, Zied; Sahin, Evren;	Digital Twins for Supply Chains: Main Functions, Existing Applications, and Research Opportunities	2023 Winter Simulation Conference (WSC)			2076-2087	2023	IEEE
55	Materikina, Marina; Shoomal, Atefeh; Manh, Linh Ho; Zhou, Yuan;	Investigating Production Yield Effect on Inventory Control through a Hybrid Simulation Approach	2023 Winter Simulation Conference (WSC)			2088-2099	2023	IEEE
56	Ehm, Hans; Chung, Chun Hei; Chowdhury, Sanchari Kar; Ratusny, Marco; Ismail, Abdelgafar;	The Bullwhip Effect in End-To-End Supply Chains: The Impact of Reach-Based Replenishment Policies with a Long Cycle Time Supplier	2023 Winter Simulation Conference (WSC)			2194-2205	2023	IEEE
57	Tordecilla, Rafael D; Montoya-Torres, Jairo R; Guerrero, William J;	A Simulation-Optimization Approach for Designing Resilient Hyperconnected Physical Internet Supply Chains	2023 Winter Simulation Conference (WSC)			3178-3189	2023	IEEE
58	Ha, Yunsoo; Shashaani, Sara;	Towards Greener Stochastic Derivative-Free Optimization with Trust Regions and Adaptive Sampling	2023 Winter Simulation Conference (WSC)			3508-3519	2023	IEEE
59	Cen, Wang; Haas, Peter J;	Efficient Hybrid Simulation Optimization via Graph Neural Network Metamodeling	2023 Winter Simulation Conference (WSC)			3541-3552	2023	IEEE
60	Roemer, Anna Carina; Strassburger, Steffen;	Hybrid system modeling approach for the depiction of the energy consumption in production simulations	2019 Winter Simulation Conference (WSC)			1366-1377	2019	IEEE

61	Vieira, António AC; Dias, Luís MS; Santos, Maribel Y; Pereira, Guilherme AB; Oliveira, José A;	Real-time supply chain simulation: A big data-driven approach	2019 Winter Simulation Conference (WSC)			548-559	2019	IEEE
62	Rabe, Markus; Schmitt, Dominik;	Domain-specific language for modeling and simulating actions in logistics networks	2019 Winter Simulation Conference (WSC)			1579-1590	2019	IEEE
63	Urnauer, Christian; Bosch, Eva; Metternich, Joachim;	Simulation-based optimization of sequencing buffer allocation in automated storage and retrieval systems for automobile production	2019 Winter Simulation Conference (WSC)			1602-1611	2019	IEEE
64	Castañé, Gabriel G; Simonis, Helmut; Brown, Kenneth N; Lin, Yiqing; Ozturk, Cemalettin; Garraffa, Michele; Antunes, Mark;	Simulation-based optimization tool for field service planning	2019 Winter Simulation Conference (WSC)			1684-1695	2019	IEEE
65	Bluemink, Bas; de Kok, AG; Srinivasan, Balan; Uzsoy, Reha;	Evaluating mixed integer programming models for solving stochastic inventory problems	2019 Winter Simulation Conference (WSC)			1696-1707	2019	IEEE
66	De la Fuente, Rodrigo; Gatica, Juan; Smith, Raymond L;	A simulation model to determine staffing strategy and warehouse capacity for a local distribution center	2019 Winter Simulation Conference (WSC)			1743-1754	2019	IEEE
67	Ghandar, Adam; Theodoropoulos, Georgios; Zhong, Miner; Zhen, Bowen; Chen, Shijie; Gong, Yue; Ahmed, Ayyaz;	An agent-based modelling framework for urban agriculture	2019 Winter Simulation Conference (WSC)			1767-1778	2019	IEEE
68	Rossetti, Manuel D; Bright, Julianna;	Analyzing pre-positioning within a disrupted bulk petroleum supply chain	2019 Winter Simulation Conference (WSC)			1813-1824	2019	IEEE

69	Seok, Moon Gi; Tan, Wen Jun; Su, Boyi; Cai, Wentong;	Hyperparameter Tunning in Simulation-based Optimization for Adaptive Digital-Twin Abstraction Control of Smart Manufacturing System	Proceedings Of The 2022 ACM SIGSIM Conference On Principles Of Advanced Discrete Simulation			61-68	2022	
70	Mustafee, Navonil; Katsaliaki, Korina; Taylor, Simon JE;	Distributed Approaches to Supply Chain Simulation: A Review	ACM Transactions on Modeling and Computer Simulation (TOMACS)	31	4	Jan-31	2021	ACM New York, NY, USA
71	Andelfinger, Philipp;	Differentiable agent-based simulation for gradient-guided simulation-based optimization	Proceedings of the 2021 ACM SIGSIM Conference on Principles of Advanced Discrete Simulation			27-38	2021	
72	Ji, Jirasak; Chiadamrong, Navee;	Hybrid optimization approach for supply chain planning	Proceedings of the 2019 International Conference on Management Science and Industrial Engineering			76-83	2019	
73	Sutthibutr, Noppasorn; Chiadamrong, Navee;	Applied fuzzy multi-objective with α -cut analysis for optimizing supply chain master planning problem	Proceedings of the 2019 International Conference on Management Science and Industrial Engineering			84-91	2019	
74	Lang, Sebastian; Reggelin, Tobias; Müller, Marcel; Nahhas, Abdulrahman;	Open-source discrete-event simulation software for applications in production and logistics: An alternative to commercial tools?	Procedia Computer Science	180		978-987	2021	Elsevier