No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
1	Pang, J. L.	Adaptive Fault Prediction and Maintenance in Production Lines Using Deep Learning	Deep Learning, Adaptive Production Lines, Fault Prediction, Maintenance Strategies, Wasserstein Distance, L2 Regularization, Neuron Dropout	22, 4, 734-745	10.2507/IJSIMM22-4-CO20	Pang J. L. (2023). Adaptive Fault Prediction and Maintenance in Production Lines Using Deep Learning. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 734-745
2	Zhang, Y. M.; Song, Y. F.; Meng, X. & Liu, Z. G.	Optimizing Supply Chain Efficiency with Fuzzy CRITIC-EDAS	Production Supply Chain Networks, Fuzzy CRITIC-EDAS Method, Efficiency Optimization, Decision Support Tool, Risk Mitigation	22, 4, 723-733	10.2507/IJSIMM22-4-CO19	Zhang Y. M., Song Y. F., Meng X., Liu Z. G. (2023). Optimizing Supply Chain Efficiency with Fuzzy CRITIC-EDAS. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 723-733
3	Han, L. N.; Ma, X. Z.; Tan, J. D.; Li, J. H. & Dong, Y. Q.	Balancing Material Supply-Demand with ARIMA and Neural Networks	Production Material Demand Forecasting, Supply Balance Strategies, ARIMA-BP	22, 4, 712-722	10.2507/IJSIMM22-4-CO18	Han L. N., Ma X. Z., Tan J. D., Li, J. H., Dong Y. Q. (2023). Balancing Material Supply-Demand with ARIMA and Neural Networks. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 712-722
4	Zhang, L. J.; Yang, S. J.; Wang, S. J.; Zeng, Y. M.; Hua, W. C. & Li, G. L.	High-Speed Bearing Dynamics and Applications in Production Lines	High-Speed Bearings, Dynamic Performance Simulation, Equilibrium Equations, Time-Frequency Domain Feature Extraction, Deep Learning, Real-Time Condition Monitor.	22, 4, 701-711	10.2507/IJSIMM22-4-CO17	Zhang L. J., Yang S. J., Wang S. J., Zeng Y. M., Hua W. C., Li G. L. (2023). High-Speed Bearing Dynamics and Applications in Production Lines. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 701-711
5	Li, Q.	Green Supply Chain Optimization with Fuzzy MCDM for Economic Growth	GSCM, Economic Benefits, MCDM, MABAC, Fuzzy Logic, Linear Programming	22, 4, 690-700	10.2507/IJSIMM22-4-CO16	Li Q. (2023). Green Supply Chain Optimization with Fuzzy MCDM for Economic Growth. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 690-700
6	Tarbajovsky, P.; Puskar, M. & Sabadka, D.	Simulation Model of Vehicle Emission Reduction Exhaust System	Simulation Model, Variable Exhaust System, Emission Reduction, Vehicle	22, 4, 679-689	10.2507/IJSIMM22-4-675	Tarbajovsky P., Puskar M., Sabadka D. (2023). Simulation Model of Vehicle Emission Reduction Exhaust System. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 679-689
7	Chen, Y. X.; Song, Y. H. & Huo, F. Z.	Simulation of Crowd Evacuation Behaviours at Subway Stations under Panic Emotion	Evacuation, Companion Behaviour, Movement Rate, Panic Emotion, Cellular Automaton	22, 4, 667-678	10.2507/IJSIMM22-4-668	Chen Y. X., Song Y. H., Huo F. Z. (2023). Simulation of Crowd Evacuation Behaviours at Subway Stations under Panic Emotion. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 667-678
8	Suchanek, P.; Bucki, R. & Postrozny, J.	Modelling and Simulation of a Decision-Making Process Supporting Business System Logistics	Decision-Making, Business System, Mathematical Modelling, Simulation	22, 4, 655-666	10.2507/IJSIMM22-4-665	Suchanek P., Bucki R., Postrozny J. (2023). Modelling and Simulation of a Decision-Making Process Supporting Business System Logistics. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 655-666
9	Liu, J. D.; Chen, J. Q.; Wu, J. Q.; Han, F. & Guan, J. F.	Simulation Method for Stitch Wire Vibration Load and Fatigue Life	High-Speed Railway, Stitch Wire, Vibration, Fatigue Life, Simulation Model	22, 4, 643-654	10.2507/IJSIMM22-4-664	Liu J. D., Chen J. Q., Wu J. Q., Han F., Guan J. F. (2023). Simulation Method for Stitch Wire Vibration Load and Fatigue Life. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 643-654
10	Milkovic, M.; Njegovec, M.; Predan, J.; Javornik, J.; Djonlagic, D. & Gubeljak, N.	Monitoring Surface State of AA7075-T6 during Dynamic Loading with FBG Sensor	AA7075-T6, Dynamic Loading, Fiber Bragg Grating (FBG) Sensor, Surface Condition	22, 4, 631-642	10.2507/IJSIMM22-4-663	Milkovic M., Njegovec M., Predan J., Javornik J., Djonlagic D., Gubeljak N. (2023). Monitoring Surface State of AA7075-T6 during Dynamic Loading with FBG Sensor. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 631-642
11	Zhang, W.; Zhang, C. T. & Deng, C. H.	Design and Motion Simulation of Conveyor Production Line for Salted Kelp Turnover Box	Turnover box, Motion simulation, Motion function, ADAMS	22, 4, 619-630	10.2507/IJSIMM22-4-662	Zhang W., Zhang C. T., Deng C. H. (2023). Design and Motion Simulation of Conveyor Production Line for Salted Kelp Turnover Box. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 619-630
12	Sket, K.; Ficko, M.; Gubeljak, N. & Brezocnik, M.	Study of Environmental Impacts on Overhead Transmission Lines Using Genetic Algorithms	Overhead Transmission Lines (OTL), Machine Learning, Modelling, Optimization, Genetic Algorithms (GA)	22, 4, 610-618	10.2507/IJSIMM22-4-661	Sket K., Ficko M., Gubeljak N., Brezocnik M. (2023). Study of Environmental Impacts on Overhead Transmission Lines Using Genetic Algorithms. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 610-618
13	Huskova, K.; Andar, J. & Dyntar, J.	How Discretization Affects Intermittent Demand Stock Management Based on Simulation	Logistics, Intermittent Demand, Stock Management, Simulation, Optimization	22, 4, 598-609	10.2507/IJSIMM22-4-660	Huskova K., Andar J., Dyntar J. (2023). How Discretization Affects Intermittent Demand Stock Management Based on Simulation. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 598-609
14	Straka, M.	Design of Microgrids as a Cost Economy Energy Savings Simulation Model: Monte Carlo Method	Energy Savings Simulation Model, Monte Carlo Method, Local Energy Systems, Microgrids, Simulation, ExtendSim	22, 4, 586-597	10.2507/IJSIMM22-4-659	Straka M. (2023). Design of Microgrids as a Cost Economy Energy Savings Simulation Model: Monte Carlo Method. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 586-597
15	Javernik, A.; Buchmeister, B. & Ojstersek, R.	The NASA-TLX Approach to Understand Workers Workload in Human-Robot Collaboration	Human-Robot Collaboration, Industry 5.0, NASA-TLX, Safety Awareness, Worker Well-Being, Worker Workload	22, 4, 574-585	10.2507/IJSIMM22-4-658	Javernik A., Buchmeister B., Ojstersek R. (2023). The NASA-TLX Approach to Understand Workers Workload in Human-Robot Collaboration. *Int. Journal of Simulation Modelling*, Vol. 22, No. 4, p. 574-585
16	Nestorov, A.; Djordjevic, A.; Stefanovic, M.; Sladojevic, S. & Lalic, B.	A New Model of Human Resource Management for Work in an Intensive Environment	Human Resource Management, Intensive Environment, Simulation Model, Business Indicator	22, 4, 562-573	10.2507/IJSIMM22-4-648	Nestorov A., Djordjevic A., Stefanovic M., Sladojevic S., Lalic B. (2023). A New Model of Human Resource Management for Work in an Intensive Environment. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 562-573
17	Rodriguez, L.; Loyo, J. & Silva, U.	Layout Evaluation with the Industry 4.0 Approach for a Manufacturing Laboratory	SLP, Layout Planning, Design, Industry 4.0, Cycle Time, Simulation	22, 4, 551-561	10.2507/IJSIMM22-4-642	Rodriguez L., Loyo J., Silva U. (2023). Layout Evaluation with the Industry 4.0 Approach for a Manufacturing Laboratory. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 551-561
18	Wang, S. L.; Zhang, Y.; Sheng, X. & Luo, X. Y.	Blockchain in Supply Chain Collaboration: a Quantitative Study	Blockchain Technology, Supply Chain Management, Production Management, Collaborative Mechanisms, Stackelberg Game Model, Consensus	22, 3, 532-543	10.2507/IJSIMM22-3-CO15	Wang S. L., Zhang Y., Sheng X., Luo X. Y. (2023). Blockchain in Supply Chain Collaboration: a Quantitative Study. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 532-543
19	Wu, Q.; Su, J. F.; Xuan, J. & Lei, S.	Integrated Optimization of Vehicle Routing of Automotive Parts Inbound Logistics	Inbound Logistics, Station Grouping, Hybrid Genetic Algorithm (HGA), Automotive Logistics, Logistics Mode	22, 3, 520-531	10.2507/IJSIMM22-3-CO14	Wu Q., Su J. F., Xuan J., Lei S. (2023). Integrated Optimization of Vehicle Routing of Automotive Parts Inbound Logistics. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 520-531

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20	Sun, H.	Optimizing Manufacturing Scheduling with Genetic Algorithm and LSTM Neural Networks	Intelligent Manufacturing, Scheduling System, LSTM Neural Networks, Multi-Objective Genetic Algorithm, WIP Inventory Forecasting, Model	22, 3, 508-519	10.2507/IJSIMM22-3-CO13	Sun H. (2023). Optimizing Manufacturing Scheduling with Genetic Algorithm and LSTM Neural Networks. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 508-519
21	Wan, L.; Yuan, Y.; Sun, H. & Qu, J.	Simulation Study on Drop and Explosion Performance of Marine Steam-Water Separator	Marine Steam-Water Separator, 5083 Aluminium Alloy, Drop Test and Simulation, Antiknock Simulation	22, 3, 497-507	10.2507/IJSIMM22-3-CO12	Wan L., Yuan Y., Sun H., Qu J. (2023). Simulation Study on Drop and Explosion Performance of Marine Steam-Water Separator. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 497-507
22	Duan, H. W.; Zhang, L. P.; Gan, B.; Chang, X.; Wang, X. F. & Li, K. H.	A System Dynamics-Based Simulation Model for Cross-Border Logistics Risk Transmission	Logistics Risks, System Dynamics, Cross-Border E-Commerce	22, 3, 485-496	10.2507/IJSIMM22-3-CO11	Duan H. W., Zhang L. P., Gan B., Chang X., Wang X. F., Li K. H. (2023). A System Dynamics-Based Simulation Model for Cross-Border Logistics Risk Transmission. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 485-476
23	Gracanin, D.; Ruskic, N.; Pavlica, T.; Maric, M. & Ciric Lalic, D.	Simulation Modelling of Pedestrians Influence on the Roundabout Capacity	Roundabout Capacity, Pedestrians, Crosswalk, Simulation, Intersection Approach	22, 3, 474-484	10.2507/IJSIMM22-3-656	Gracanin D., Ruskic N., Pavlica T., Maric M., Ciric Lalic D. (2023). Simulation Modelling of Pedestrians Influence on the Roundabout Capacity. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 474-484
24	Cao, K.; Li, X. H.; Gao, H. D.; Zhang, L. X. & You, F.	Design and Analysis of a Vertical Screw Stirring Device for Feeding Dairy Goats	Vertical Screw, Feeding Device, Discrete Element Method, Total Mixed Ration, Mixing Uniformity	22, 3, 462-473	10.2507/IJSIMM22-3-655	Cao K., Li X. H., Gao H. D., Zhang L. X., You F. (2023). Design and Analysis of a Vertical Screw Stirring Device for Feeding Dairy Goats. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 462-473
25	She, Q. C.; Yan, D. H.; Chen, C. S.; Li, B. & Huang, G.	Correction Technology for Main Girder Torsion in a Composite Girder Cable-Stayed Bridge	Composite Girder Cable-Stayed Bridge, Main Girder Torsion, Finite Element Analysis, Correction Technology	22, 3, 450-461	10.2507/IJSIMM22-3-653	She Q. C., Yan D. H., Chen C. S., Li B., Huang G. (2023). Correction Technology for Main Girder Torsion in a Composite Girder Cable-Stayed Bridge. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 450-461
26	Guo, H. X.; Ni, S. Q. & He, Y. Y.	Multi-Vehicle Scheduling of Containers in Highway Port under Network Condition	Highway Transportation, Tractor and Semitrailer Transportation, Highway Port, Network Condition, Multi-Vehicle	22, 3, 438-449	10.2507/IJSIMM22-3-652	Guo H. X., Ni S. Q., He Y. Y. (2023). Multi-Vehicle Scheduling of Containers in Highway Port under Network Condition. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 438-449
27	Terek Stojanovic, E.; Mali, P.; Kuzmanovic, B.; Mitic, S.; Taborosi, S. & Nikolic, M.	Modelling the Impacts on Entrepreneurial Attitudes and Intentions of Freelancers	Big Five, Individual Entrepreneurial Orientation, Love of Money, Entrepreneurial Intention, Freelancers, Modelling	22, 3, 426-437	10.2507/IJSIMM22-3-651	Terek Stojanovic E., Mali P., Kuzmanovic B., Mitic S., Taborosi S., Nikolic M. (2023). Modelling the Impacts on Entrepreneurial Attitudes and Intentions of Freelancers. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 426-437
28	Lisowski, J.	Computer Simulation of a Game Control Model in a Complex Maritime Traffic Environment	Traffic Systems, Automatic Control, Optimization Techniques, Game Theory	22, 3, 416-425	10.2507/IJSIMM22-3-649	Lisowski J. (2023). Computer Simulation of a Game Control Model in a Complex Maritime Traffic Environment. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 416-425
29	Fike, M.; Pezdevsek, M.; Predin, A. & Hren, G.	Blade Element Momentum Calculation Method with Various Corrections	BEM Method, S826 Airfoil, Horizontal Axis Wind Turbine, Aerodynamic Performance, Power Coefficient	22, 3, 404-415	10.2507/IJSIMM22-3-647	Fike M., Pezdevsek M., Predin A., Hren G. (2023). Blade Element Momentum Calculation Method with Various Corrections. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 404-415
30	Yehoshua, A.; Bechar, A.; Cohen, Y.; Shmuel, L. & Edan, Y.	Dynamic Sampling Algorithm for Agriculture-Monitoring Ground Robot	Field Sampling, Agricultural Monitoring, Ground Robot, Dynamic Sampling Algorithm, Insect Detection	22, 3, 392-403	10.2507/IJSIMM22-3-646	Yehoshua A., Bechar A., Cohen Y., Shmuel L., Edan Y. (2023). Dynamic Sampling Algorithm for Agriculture-Monitoring Ground Robot. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 392-403
31	Pereira, A. B. M.; Montevechi, J. A. B.; Pinto, W. G. M. & Santos, C. H.	Simulation and Digital Twins to Support Reverse Logistics Decisions: a Review	Reverse Logistics, Green Supply Chain, Industry 4.0, Digital Twins, Simulation	22, 3, 381-391	10.2507/IJSIMM22-3-640	Pereira A. B. M., Montevechi J. A. B., Pinto W. G. M., Santos C. H. (2023). Simulation and Digital Twins to Support Reverse Logistics Decisions: a Review. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 381-391
32	Zseller, V. & Samu, K.	Metaheuristic of Arbitrary Luminous Intensity Distribution for Roadway Lighting Luminaires	Lighting, Outdoor, Roadway, Optics, LED, Evolutionary Algorithm	22, 3, 369-380	10.2507/IJSIMM22-3-626	Zseller V., Samu K. (2023). Metaheuristic of Arbitrary Luminous Intensity Distribution for Roadway Lighting Luminaires. *Int. Journal of Simulation Modelling*, Vol. 22, No. 3, p. 369-380
33	Yang, S. Y. & Zhang, M. F.	Blockchain-Driven Optimization in Intelligent Manufacturing	Blockchain Technology, Intelligent Manufacturing, Production-Service Combinatorial Optimization and Production Control (PSCO-PC), Simulation	22, 2, 350-361	10.2507/IJSIMM22-2-CO10	Yang S. Y., Zhang M. F. (2023). Blockchain-Driven Optimization in Intelligent Manufacturing. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 350-361
34	Zhu, X. Q.	Collaborative Modelling and Simulation for Manufacturing Cost Analysis	Production Cost, Economic Benefit, Accounting Analysis, Collaborative Manufacturing, Modelling and Simulation	22, 2, 338-349	10.2507/IJSIMM22-2-CO9	Zhu X. Q. (2023). Collaborative Modelling and Simulation for Manufacturing Cost Analysis. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 338-349
35	Wang, Y. L.; Chen, J. H.; Yang, L.; Fang, X. & Cai, J. R.	A Simulation Study on Supply Chain Financing Strategy of Manufacturing Firms	Green Manufacturing, Manufacturing Supply Chain, Financing Strategy, Capital Constraints, Risk Aversion	22, 2, 327-337	10.2507/IJSIMM22-2-CO8	Wang Y. L., Chen J. H., Yang L., Fang X., Cai J. R. (2023). A Simulation Study on Supply Chain Financing Strategy of Manufacturing Firms. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 327-337
36	Liang, R.; Feng, Z. X.; Dong, Y. F.; Xin, Y.; Yang, J. X. & Cao, Y. P.	Optimization of a Simulated Reconfigurable Hybrid Flow Assembly System	Simulated RHFA System, Assembly Sequence, Equipment Composition, Multi-Objective Harris Hawks Optimization	22, 2, 315-326	10.2507/IJSIMM22-2-CO7	Liang R., Feng Z. X., Dong Y. F., Xin Y., Yang J. X., Cao Y. P. (2023). Optimization of a Simulated Reconfigurable Hybrid Flow Assembly System. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 315-326
37	Jiang, L.; Duan, J. J.; Zheng, R. P.; Shen, H. N.; Li, H. & Xu, J.	Optimization and Simulation of Garment Production Line Balance Based on Improved GA	Garment Production Line, Improved GA, Balance Optimization of Blouse Assembly Line, AnyLogic Simulation	22, 2, 303-314	10.2507/IJSIMM22-2-CO6	Jiang L., Duan J. J., Zheng R. P., Shen H. N., Li H., Xu J. (2023). Optimization and Simulation of Garment Production Line Balance Based on Improved GA. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 303-314
38	Meng, Z. S.; Peng, H. X. & Xie, Y. Y.	Analysis of the Dynamic Load Characteristics of Double-Top-Beam Supports with Gaps	Double-Top-Beam Support, Joint Gap Clearance, Attitude Variation, Dynamic Load	22, 2, 291-302	10.2507/IJSIMM22-2-650	Meng Z. S., Peng H. X., Xie Y. Y. (2023). Analysis of the Dynamic Load Characteristics of Double-Top-Beam Supports with Gaps. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 291-302

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39	Niu, L. Q.; Yang, X. B.; Si, Q. M.; Li, Z. & Wang, C. Y.	Simulation of Corrosion in the Riveted Zone of Aluminium-Based Skin	Aluminium-Based Skin, Corrosion, Coating Pre-Damage	22, 2, 279-290	10.2507/IJSIMM22-2-645	Niu L. Q., Yang X. B., Si Q. M., Li Z., Wang C. Y. (2023). Simulation of Corrosion in the Riveted Zone of Aluminium-Based Skin. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 279-290
40	Cui, X. Y.; Li, Z. Z.; Yin, B. L.; Wang, W. Q.; Liu, Y. X. & Bai, Z. H.	Modelling Analysis of Coupling Deformation between Strip Steel and Roller System	Six-High Cold Rolling Mill, Bending Roller, Roll Shifting, Loaded Roller Gap, Flatness	22, 2, 267-278	10.2507/IJSIMM22-2-644	Cui X. Y., Li Z. Z., Yin B. L., Wang W. Q., Liu Y. X., Bai Z. H. (2023). Modelling Analysis of Coupling Deformation between Strip Steel and Roller System. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 267-278
41	Attia, E.-A.; Sobhi, N.; Alarjani, A. & Karam, A.	Improving Electric Motor Assembly using One Piece Flow, Ergonomics, and Cellular Layout	Assembly Lines, Simulation, Single-Piece Flow, Human Factors, Cellular Manufacturing System, Work in Process	22, 2, 255-266	10.2507/IJSIMM22-2-643	Attia E.-A., Sobhi N., Alarjani A., Karam A. (2023). Improving Electric Motor Assembly using One Piece Flow, Ergonomics, and Cellular Layout. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 255-266
42	Zivlak, N.; Sun, Q.; Lalic, B.; Ciric-Lalic, D. & Dong, M.	Balancing Supplier Channels: an Incentive Model for Online and Offline Sales Channels	Channel Incentive, Channel Conflict Level, Bounded Rationality, Reference Prices	22, 2, 245-254	10.2507/IJSIMM22-2-641	Zivlak N., Sun Q., Lalic B., Ciric-Lalic D., Dong,M. (2023). Balancing Supplier Channels: an Incentive Model for Online and Offline Sales Channels. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 245-254
43	Kevorkijan, L.; Pezdevsek, M.; Bilus, I. & Hren, G.	Cavitation Erosion Modelling – Comparison of Different Driving Pressure Approaches	Cavitation, Erosion Potential, Driving Pressure, Numerical Simulation	22, 2, 233-244	10.2507/IJSIMM22-2-639	Kevorkijan L., Pezdevsek M., Bilus I., Hren G. (2023). Cavitation Erosion Modelling – Comparison of Different Driving Pressure Approaches. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 233-244
44	Sarac Guleryuz, S. & Koyuncu, M.	Simulation of Intensive Care Bed Capacity Based on Mixture Distribution	Length of Stay, Interarrival Times, Mixture Distribution, Bed Capacity, Intensive Care Unit	22, 2, 221-232	10.2507/IJSIMM22-2-637	Sarac Guleryuz S., Koyuncu M. (2023). Simulation of Intensive Care Bed Capacity Based on Mixture Distribution. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 221-232
45	Alcaraz-Mejia, M.; Parres-Peredo, A.; Piza-Davila, I. & Gutierrez-Preciado, L. F.	Modelling and Simulation Process of Extended Petri Nets with PNML and Matlab/Simulink	Discrete Event Systems, Petri Nets, Modelling, Simulation, Matlab, Simulink	22, 2, 211-220	10.2507/IJSIMM22-2-636	Alcaraz-Mejia M., Parres-Peredo A., Piza-Davila I., Gutierrez-Preciado L. F. (2023). Modelling and Simulation Process of Extended Petri Nets with PNML and Matlab/Simulink. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 211-220
46	Witthayapraphakorn, A. & Jaijit, S.	Using Simulation to Determine the Reorder Point under Uncertainty of a Retail Store	Discrete-Event Simulation, Inventory Management, Reorder Point Determination, Uncertain Demand, Uncertain Leadtime	22, 2, 199-210	10.2507/IJSIMM22-2-630	Witthayapraphakorn A., Jaijit S. (2023). Using Simulation to Determine the Reorder Point under Uncertainty of a Retail Store. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 199-210
47	Barbieri, J. P.; Pinho, A. F. & Montevechi, J. A. B.	Autonomous Entities: a Hybrid Model and Its Effects	Complexity, iDAV Method, Model Development, Hybrid Simulation	22, 2, 187-198	10.2507/IJSIMM22-2-628	Barbieri J. P., Pinho A. F., Montevechi J. A. B. (2023). Autonomous Entities: a Hybrid Model and Its Effects. *Int. Journal of Simulation Modelling*, Vol. 22, No. 2, p. 187-198
48	Zhou, Q. H.; Qiu, Y. H.; Liu, H. S. & He, Y.	A Performance Study on Structural Parameters of Centre-Axle-Trailer Combinations	Rearward Amplification (RWA), Dynamic Stability, Path-Following Off-Tracking (PFOT), Manoeuvrability, Centre Axle Trailer, Numerical Simulations	22, 1, 168-179	10.2507/IJSIMM22-1-CO5	Zhou Q. H., Qiu Y. H., Liu H. S., He, Y. (2023). A Performance Study on Structural Parameters of Centre-Axle-Trailer Combinations. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 168-179
49	Hu, Y. M.; Li, D. D. & Zhou, L.	Design and Simulation of a Multi-Specification and Small Flow Flexible Storage Systems	Flexible Storage, Multi-Variety, Multi-Specification, Small Flow, Multi-Specification Rack, Interchangeable Fork Stacker	22, 1, 157-167	10.2507/IJSIMM22-1-CO4	Hu Y. M., Li D. D., Zhou L. (2023). Design and Simulation of a Multi-Specification and Small Flow Flexible Storage Systems. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 157-167
50	Liu, X. H.; Jiang, S. Q.; Zeng, Y. Q.; Hu, W. D.; Gong, Y. & Chen, J. L.	The Plastic Zone of Clay under Foundation Load: an Experimental and Numerical Analysis	Plastic Zone, Foundation Bearing Capacity, Particle Image Velocimetry, Discrete Element Method	22, 1, 145-156	10.2507/IJSIMM22-1-CO3	Liu X. H., Jiang S. Q., Zeng Y. Q., Hu W. D., Gong Y., Chen J. L. (2023). The Plastic Zone of Clay under Foundation Load: an Experimental and Numerical Analysis. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 145-156
51	Zhao, P. X.; Dai, M. N.; Han, X.; Xu, C. & Du, C. C.	Model and Algorithm for the Skill Capacitated VRP with Time Windows in Airports	Airport Ground Support Vehicle, Collaborative Scheduling, Simple Temporal Network, Genetic Algorithm, Vehicle Routing Problem (VRP)	22, 1, 133-144	10.2507/IJSIMM22-1-CO2	Zhao P. X., Dai M. N., Han X., Xu C., Du C. C. (2023). Model and Algorithm for the Skill Capacitated VRP with Time Windows in Airports. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 133-144
52	Chai, G. F. & Xia, Y. Z.	Multi-Robot Path Optimization and Simulation for Multi-Route Inspection in Manufacturing	Intelligent Manufacturing, Multi-Route Inspection, Multi-Robot Cooperation, Patrol Path Optimization, Simulation Modelling	22, 1, 121-132	10.2507/IJSIMM22-1-CO1	Chai G. F., Xia Y. Z. (2023). Multi-Robot Path Optimization and Simulation for Multi-Route Inspection in Manufacturing. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 121-132
53	Zhang, X. Y.; Chen, G. P. & Shi, J. M.	Simulation of Guided Crowd Evacuation Scheme of High-Speed Train Carriage	High-Speed Train Carriage, Evacuation, Crowd Guidance Scheme	22, 1, 110-120	10.2507/IJSIMM22-1-638	Zhang X. Y., Chen G. P., Shi J. M. (2023). Simulation of Guided Crowd Evacuation Scheme of High-Speed Train Carriage. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 110-120
54	Yener, F. & Yazgan, H. R.	Simulation of Re-Arrangement and Healing in Robotic Compact Bin-Storage System	Robotic Compact Bin-Storage System, Order Picking, Re-arrangement, Simulation	22, 1, 100-109	10.2507/IJSIMM22-1-635	Yener F., Yazgan H. R. (2023). Simulation of Re-Arrangement and Healing in Robotic Compact Bin-Storage System. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 100-109
55	Zhang, W. J.; Zhang, X. D.; Guo, Z. F.; Wang, J. H. & Bai, Z. H.	Simulation Analysis of Temperature Field of Tinplate in the Quenching	Tinplate, Quench Stain, Temperature Field, Finite Element	22, 1, 88-99	10.2507/IJSIMM22-1-634	Zhang W. J., Zhang X. D., Guo Z. F., Wang J. H., Bai Z. H. (2023) Simulation Analysis of Temperature Field of Tinplate in the Quenching. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 88-99
56	Isik, M.; Sahin, C. & Hamidy, S. M.	Novel Dispatching Rules for Multiple-Load Automated Guided Vehicles	Multiple-Load Automated Guided Vehicles (MAGVs), Dispatching Rules, Simulation	22, 1, 76-87	10.2507/IJSIMM22-1-632	Isik M., Sahin C., Hamidy S. M. (2023). Novel Dispatching Rules for Multiple-Load Automated Guided Vehicles. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 76-87
57	Mares, A.; Vaclav, S. & Delgado Sobrino, D. R.	Proposal of a Software Tool for Manual Assembly Outputs Simulation	Assembly, Simulation, Time Analysis, Microsoft Excel, Software Tool	22, 1, 64-75	10.2507/IJSIMM22-1-631	Mares A., Vaclav S., Delgado Sobrino D. R. (2023). Proposal of a Software Tool for Manual Assembly Outputs Simulation. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 64-75

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58	Zeng, X. T. & Wang, D. L.	Analysis of the Influence of Accumulator Configuration on Stable Liquid Supply	Emulsion Pump Station, Accumulator, Stable Liquid Supply, Optimization Analysis	22, 1, 52-63	10.2507/IJSIMM22-1-629	Zeng X. T., Wang D. L. (2023). Analysis of the Influence of Accumulator Configuration on Stable Liquid Supply. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 52-63
59	Huskova, K. & Dyntar, J.	Speeding Up Past Stock Movement Simulation in Sporadic Demand Inventory Control	Spare Parts, Sporadic Demand, Inventory Control, Continuous Review, Fixed Order Quantity, Simulation	22, 1, 41-51	10.2507/IJSIMM22-1-627	Huskova K., Dyntar J. (2023). Speeding Up Past Stock Movement Simulation in Sporadic Demand Inventory Control. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 41-51
60	Pinto, W. G. M.; Montevechi, J. A. B.; Miranda, R. de C.; Santos, C. H. & Pereira, A. B. M.	Optimisation via Simulation Applied to Reverse Logistics: a Systematic Literature Review	Optimisation, Simulation, Reverse Logistics, Systematic Literature Review	22, 1, 29-40	10.2507/IJSIMM22-1-620	Pinto W. G. M., Montevechi J. A. B., Miranda R. de C., Santos C. H., Pereira A. B. M. (2023). Optimisation via Simulation Applied to Reverse Logistics: a Systematic Literature Review. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 29-40
61	Prasetyo, H. N.; Sarno, R.; Wijaya, D. R.; Budiraharjo, R. & Waspada, I.	Sampling Simulation in Process Discovery	Process Mining, Process Discovery, Big Data, Sampling, Event Log	22, 1, 17-28	10.2507/IJSIMM22-1-619	Prasetyo H. N., Sarno R., Wijaya D. R., Budiraharjo R., Waspada, I. (2023). Sampling Simulation in Process Discovery. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 17-28
62	Trebuna, P.; Pekarcikova, M.; Kliment, M.; Kopec, J. & Svantner, T.	Online e-Kanban System Implementation in a Manufacturing Company	VSM Analysis, e-Kanban, Algorithms, Process, Project	22, 1, 5-16	10.2507/IJSIMM22-1-614	Trebuna P., Pekarcikova M., Kliment M., Kopec J., Svantner T. (2023). Online e-Kanban System Implementation in a Manufacturing Company. *Int. Journal of Simulation Modelling*, Vol. 22, No. 1, p. 5-16
1	Fan, Y. Y.	Demand Prediction of Production Materials and Simulation of Production Management	Markov Model, Demand Prediction of Production Materials, Simulation of Production Management	21, 4, 720-731	10.2507/IJSIMM21-4-CO20	Fan Y. Y. (2022). Demand Prediction of Production Materials and Simulation of Production Management. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 720-731
2	Deng, J.-X. & Chen, X.-Y.	Simulation of Impact of Resource Competition on Shared Resource Utilisation	System Dynamics, Resource Matching Platform, Resource Utilisation, Demander Response Success Rate, Business Response	21, 4, 708-719	10.2507/IJSIMM21-4-CO19	Deng J.-X., Chen X.-Y. (2022). Simulation of Impact of Resource Competition on Shared Resource Utilisation. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 708-719
3	Wang, Y.; Zhang, S. Y.; Zhang, Q. P.; Lin, S. M. & Pang, G. S.	IoT-Based Distributed Simulation of Industrial Automation Production Line Management	IoT, Industrial Automated Production, Production Line Management (PLM), Distributed Emulation	21, 4, 696-707	10.2507/IJSIMM21-4-CO18	Wang Y., Zhang S. Y., Zhang Q. P., Lin S. M., Pang G. S. (2022). IoT-Based Distributed Simulation of Industrial Automation Production Line Management. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 696-707
4	Chen, W. & Hao, Y. F.	A Combined Service Optimization and Production Control Simulation System	Intelligent Manufacturing, Combined Service Optimization, Production Control, Simulation System Design and Development	21, 4, 684-695	10.2507/IJSIMM21-4-CO17	Chen W., Hao Y. F. (2022). A Combined Service Optimization and Production Control Simulation System. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 684-695
5	Wang, Y. L.; Zheng, X. Y.; Yin, X. M. & Cai, J. R.	Simulation of Financing Decisions with Behavioural Preferences and Yield Uncertainty	Financing Decisions, Stockout Aversion, Waste Aversion, Yield Uncertainty, Supply Chain	21, 4, 675-683	10.2507/IJSIMM21-4-CO16	Wang Y. L., Zheng X. Y., Yin X. M., Cai J. R. (2022). Simulation of Financing Decisions with Behavioural Preferences and Yield Uncertainty. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 675-683
6	Stevanov, B.; Sremcev, N.; Lazarevic, M.; Anderla, A.; Sladojevic, S. & Vidicki, P.	Optimization of the Subassembly Production Process Using Simulation	Simulation Optimization, Manufacturing, Parts Group Schedule, Batch Size, Interarrival Time, Subassembly Process	21, 4, 663-674	10.2507/IJSIMM21-4-633	Stevanov B., Sremcev N., Lazarevic M., Anderla A., Sladojevic S., Vidicki P. (2022). Optimization of the Subassembly Production Process Using Simulation. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 663-674
7	Zhang, X.; Li, X.; Gao, K. D. & Zeng, Q. L.	Analysis of Different Positional Relationships of Adjacent Double Picks on Cutting Force	Numerical Simulation, Adjacent Picks, Spacing between Picks, Cutting Depth, Cutting Force	21, 4, 651-662	10.2507/IJSIMM21-4-625	Zhang X., Li X., Gao K. D., Zeng Q. L. (2022). Analysis of Different Positional Relationships of Adjacent Double Picks on Cutting Force. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 651-662
8	Zuperl, U.; Kovacic, M. & Brezocnik, M.	An ANFIS-Mechanistic Simulator of Tool Loads in Ball-End Milling of Layered Metal Materials	Ball-End Milling, Layered Metal Material, Cutting Edge Loads, Coefficients of Material, ANFIS-Mechanistic Simulator	21, 4, 639-650	10.2507/IJSIMM21-4-624	Zuperl U., Kovacic M., Brezocnik M. (2022). An ANFIS-Mechanistic Simulator of Tool Loads in Ball-End Milling of Layered Metal Materials. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 639-650
9	Ojstersek, R.; Javernik, A. & Buchmeister, B.	Importance of Sustainable Collaborative Workplaces – Simulation Modelling Approach	Sustainable Manufacturing, Manufacturing Efficiency, Collaborative Workplace, Collaborative Robot, Cobot, Simulation Modelling	21, 4, 627-638	10.2507/IJSIMM21-4-623	Ojstersek R., Javernik A., Buchmeister B. (2022). Importance of Sustainable Collaborative Workplaces – Simulation Modelling Approach. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 627-638
10	Visagan, A. & Ganesh, P.	Parametric Optimization of Two Point Incremental Forming Using GRA and TOPSIS	Two Point Incremental Forming, Surface Roughness, Thickness, Taguchi, Grey Relational Analysis, TOPSIS, ANOVA	21, 4, 615-626	10.2507/IJSIMM21-4-622	Visagan A., Ganesh P. (2022). Parametric Optimization of Two Point Incremental Forming Using GRA and TOPSIS. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 615-626
11	Liu, G. F.; Cui, X. Y.; Li, Z. Z.; Wang, J. H.; Zhang, X. D. & Bai, Z. H.	Shape Change Simulation Analysis of Wheel Steel in a Four-High Hot Rolling Mill	Hot Rolling, Continuous Rolling, Plate Shape, Finite Element	21, 4, 603-614	10.2507/IJSIMM21-4-621	Liu G. F., Cui X. Y., Li Z. Z., Wang J. H., Zhang X. D., Bai Z. H. (2022). Shape Change Simulation Analysis of Wheel Steel in a Four-High Hot Rolling Mill. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 603-614
12	Kirli Akin, H. & Ordu, M.	A Novel Simulation-Based Two-Stage Optimization Approach for Nurse Planning	Discrete Event Simulation, Mathematical Modelling, Optimization, Covid19, Nurse Scheduling, Capacity Planning	21, 4, 591-602	10.2507/IJSIMM21-4-618	Kirli Akin H., Ordu M. (2022). A Novel Simulation-Based Two-Stage Optimization Approach for Nurse Planning. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 591-602
13	Leelatanon, S.; Jantawee, S.; Vannarat, S. & Matan, N.	Assessment of Asymmetrical Stress Profile within Wood Using Restoring Force Technique	Stress Assessment, Finite Element Model, Elastic Beam Theory, Asymmetrical Stress Profile, Wooden Specimen	21, 4, 579-590	10.2507/IJSIMM21-4-617	Leelatanon S., Jantawee S., Vannarat S., Matan N. (2022). Assessment of Asymmetrical Stress Profile within Wood Using Restoring Force Technique. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 579-590
14	Wittmann, J.; Hüter, F.; Zahn, A.; Tremmel, S. & Rieg, F.	On the Choice of the Numerical Contact Stiffness Parameter for the Modal Analysis	Finite-Element Modal Analysis, Computational Contact Mechanics, Contact Stiffness, Experimental Modal Analysis	21, 4, 567-578	10.2507/IJSIMM21-4-616	Wittmann J., Hüter F., Zahn A., Tremmel S., Rieg F. (2022). On the Choice of the Numerical Contact Stiffness Parameter for the Modal Analysis. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 567-578

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15	She, Q. C.; Chen, C. S.; Yan, D. H.; Wu, L. M. & Huang, G.	Shear Lag Effect Study of a Composite Girder Cable-Stayed Bridge During Construction	Composite Twin-Box Girder, Construction Stage, Shear-Lag Effect, Stress Test, Finite Element Method	21, 4, 555-566	10.2507/IJSIMM21-4-615	She Q. C., Chen C. S., Yan D. H., Wu L. M., Huang G. (2022). Shear Lag Effect Study of a Composite Girder Cable-Stayed Bridge During Construction. *Int. Journal of Simulation Modelling*, Vol. 21, No. 4, p. 555-566
16	Li, Z. P.	Management Decisions in Multi-Variety Small-Batch Product Manufacturing Process	Discrete Production Environment, Multi-Variety Small-Batch, Product Manufacturing Process, Management Decisions, Simulation	21, 3, 537-547	10.2507/IJSIMM21-3-CO15	Li Z.P. (2022). Management Decisions in Multi-Variety Small-Batch Product Manufacturing Process. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 537-547
17	Huo, L. & Wang, J. Y.	Flexible Job Shop Scheduling Based on Digital Twin and Improved Bacterial Foraging	Flexible Job Shop Scheduling, Improved Bacteria Foraging Optimization Algorithm, Digital Twin, Complex Product, Dynamic Scheduling	21, 3, 525-536	10.2507/IJSIMM21-3-CO14	Huo L., Wang J. Y. (2022). Flexible Job Shop Scheduling Based on Digital Twin and Improved Bacterial Foraging. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 525-536
18	Liu, Y.; Fan, W. G.; Zhang, X. L.; Wu, Z. W. & Wu, C. X.	Static Contact Modelling and Analysis for Rail Grinding with Abrasive Belt	Rail Grinding, Abrasive Belt, Contact, Stress Distribution	21, 3, 513-524	10.2507/IJSIMM21-3-CO13	Liu Y., Fan W. G., Zhang X. L., Wu Z. W., Wu C. X. (2022). Static Contact Modelling and Analysis for Rail Grinding with Abrasive Belt. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 513-524
19	Zhou, Q. H.; Zhu, X. Y.; Sun, J. M. & Li, J.	Control of Welding Residual Stress and Deformation for the Rod Support of a Crane	Tower Crane, Welding, Residual Stress, Numerical Simulation, Deformation	21, 3, 501-512	10.2507/IJSIMM21-3-CO12	Zhou Q. H., Zhu X. Y., Sun J. M., Li J. (2022). Control of Welding Residual Stress and Deformation for the Rod Support of a Crane. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 501-512
20	Yan, L. X.; Jia, L.; Guo, J. H. & Lu, S.	A Simulation Study on the Identification of Eco-Driving Behaviour	Eco-Driving, Driving Behaviour, Time Series Segmentation, Piecewise Linear Representation, Random Forest	21, 3, 489-500	10.2507/IJSIMM21-3-CO11	Yan L. X., Jia L., Guo J. H., Lu S. (2022). A Simulation Study on the Identification of Eco-Driving Behaviour. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 489-500
21	Liu, M. L.; Yao, X. Z.; Huang, J. Y. & Zhang, C.	Optimization of Unmanned Vehicle Scheduling and Order Allocation	Unmanned Vehicle, Vehicle Scheduling, Order Allocation, Improved Genetic Algorithm	21, 3, 477-488	10.2507/IJSIMM21-3-613	Liu M. L., Yao X. Z., Huang J. Y., Zhang C. (2022). Optimization of Unmanned Vehicle Scheduling and Order Allocation. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 477-488
22	Grznar, P.; Gregor, M.; Gola, A.; Nielsen, I.; Mozol, S. & Seliga, V.	Quick Workplace Analysis Using Simulation	Workplace Analysis, Computer Simulation, Object-Oriented Modelling, TX Plant Simulation	21, 3, 465-476	10.2507/IJSIMM21-3-612	Grznar P., Gregor M., Gola A., Nielsen I., Mozol S., Seliga V. (2022). Quick Workplace Analysis Using Simulation. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 465-476
23	Xi, W.; Lu, W. G.; Wang, C. & Liu, J. F.	Analysis of Pumping Station Inlet Characteristics Based on Vorticity	Pump Station Engineering, Side-Pump Sump, Vorticity, Adherent Vortex	21, 3, 453-464	10.2507/IJSIMM21-3-610	Xi W., Lu W. G., Wang C., Liu J. F. (2022). Analysis of Pumping Station Inlet Characteristics Based on Vorticity. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 453-464
24	Ordu, M.	A Simulation-Based Decision-Making Approach to Evaluate the Returns on Investments	Simulation, System Dynamics, Engineering Economy, Decision Support System, Individual Pension System, Pension Plans	21, 3, 441-452	10.2507/IJSIMM21-3-609	Ordu M. (2022). A Simulation-Based Decision-Making Approach to Evaluate the Returns on Investments. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 441-452
25	Ibrahim, N.; Hassan, F. H.; Ab Wahab, M. N. & Letchmunan, S.	Emergency Route Planning with the Shortest Path Methods: Static and Dynamic Obstacles	Emergency Route Plan, Shortest Path, Pedestrian Simulation, Pedestrian Evacuation, Pythagorean Theorem, Dijkstra's Algorithm	21, 3, 429-440	10.2507/IJSIMM21-3-608	Ibrahim N., Hassan F. H., Ab Wahab M. N., Letchmunan S. (2022). Emergency Route Planning with the Shortest Path Methods: Static and Dynamic Obstacles. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 429-440
26	Vukelic, D.; Prica, M.; Ivanov, V.; Jovicic, G.; Budak, I. & Luzanin, O.	Optimization of Surface Roughness Based on Turning Parameters and Insert Geometry	Surface Roughness, Turning Parameters, Insert Geometry, Modelling, Optimization	21, 3, 417-428	10.2507/IJSIMM21-3-607	Vukelic D., Prica M., Ivanov V., Jovicic G., Budak I., Luzanin O. (2022). Optimization of Surface Roughness Based on Turning Parameters and Insert Geometry. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 417-428
27	Thomas, S. K.; Ali, A.; AlArjani, A. & Attia, E.-A.	Simulation Based Performance Improvement: a Case Study on Automotive Industries	Automotive Industry, Performance Improvement, Project Charter, Discrete Event Simulation, Arena Simulation, Design of Experiment, Root Cause An.	21, 3, 405-416	10.2507/IJSIMM21-3-606	Thomas S. K., Ali A., AlArjani A., Attia E.-A. (2022). Simulation Based Performance Improvement: a Case Study on Automotive Industries. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 405-416
28	Oliveira, M. S.; Leal, F.; Pereira, T. F. & Montevechi, J. A. B.	Facilitated Discrete Event Simulation for Industrial Processes: a Critical Analysis	Facilitated Modelling, Small and Medium Enterprises, Soft Operational Research, Facilitated Simulation Modelling	21, 3, 395-404	10.2507/IJSIMM21-3-604	Oliveira M. S., Leal F., Pereira T. F., Montevechi J. A. B. (2022). Facilitated Discrete Event Simulation for Industrial Processes: a Critical Analysis. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 395-404
29	Rasovic, N.; Cekic, A. & Kaljun, J.	Design and Simulation of the Controlled Failure of Custom-Built Rigid Shaft Coupling	Shaft Coupling, Design, Dimensioning, Fatigue, Simulation, Custom Design	21, 3, 383-394	10.2507/IJSIMM21-3-596	Rasovic N., Cekic A., Kaljun J. (2022). Design and Simulation of the Controlled Failure of Custom-Built Rigid Shaft Coupling. *Int. Journal of Simulation Modelling*, Vol. 21, No. 3, p. 383-394
30	Yang, S. Y. & Tan, C.	Blockchain-Based Collaborative Management of Job Shop Supply Chain	Blockchain, Production Materials, Supply Chain, Collaborative Management	21, 2, 364-374	10.2507/IJSIMM21-2-CO10	Yang S. Y., Tan C. (2022). Blockchain-Based Collaborative Management of Job Shop Supply Chain. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 364-374
31	Zhou, M. X. & Li, X.	Low-Carbon Production Control and Resource Allocation Optimization	Integrated Simulation, Low-Carbon Production, Production Control, Resource Allocation	21, 2, 352-363	10.2507/IJSIMM21-2-CO9	Zhou M. X., Li X. (2022). Low-Carbon Production Control and Resource Allocation Optimization. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 352-363
32	Liu, Z. H.; Wu, J. F.; Hu, T. & Xu, Y. L.	Numerical Analysis on Multiphase Flow in Near-Wall and Near-Bottom Areas	Multiphase Flow, Spiral Ribbon-Frame Combined Paddle, Near-Wall Area, Near-Bottom Area, Flow Mechanism	21, 2, 341-351	10.2507/IJSIMM21-2-CO8	Liu Z. H., Wu J. F., Hu T., Xu Y. L. (2022). Numerical Analysis on Multiphase Flow in Near-Wall and Near-Bottom Areas. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 341-351
33	Yu, Y. X.; Huang, Y.; Geng, H. H. & Cha, L. L.	Process Parameters Optimisation for Spring Seat Based on Response Surface Methodology	Spring Seat, Multistep Stamping Process, Simulation Modelling, Response Surface Methodology (RSM), Stamping Test	21, 2, 332-340	10.2507/IJSIMM21-2-CO7	Yu Y. X., Huang Y., Geng H. H., Cha L. L. (2022). Process Parameters Optimisation for Spring Seat Based on Response Surface Methodology. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 332-340

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34	Yang, L.; Yang, B.; Yang, G. W.; Xiao, S. N.; Zhu, T. & Wang, F.	Fatigue-Life Evaluation Method for Ring-Welded Joints	Ring-Welded Joints, ΔS–N Curve, Fa–N Curve, Finite Element Simulation, Fatigue Evaluation	21, 2, 320-331	10.2507/IJSIMM21-2-CO6	Yang L., Yang B., Yang G. W., Xiao S. N., Zhu T., Wang F. (2022). Fatigue-Life Evaluation Method for Ring-Welded Joints. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 320-331
35	Puskar, M.; Kopas, M.; Soltesova, M. & Tarbajovsky, P.	Simulation Model of Advanced System for Application of Sustainable Fuels	Simulation Model, Advanced System, Sustainability, Biofuel, Combustion	21, 2, 308-319	10.2507/IJSIMM21-2-611	Puskar M., Kopas M., Soltesova M., Tarbajovsky P. (2022). Simulation Model of Advanced System for Application of Sustainable Fuels. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 308-319
36	Shi, H. X.; Meng, J.; Li, Y.; Zhang, H. Z.; Wang, F. & Xu, W.	Effects of Fitting Error on the Hydraulic Performance of Bionic Hydrofoils	Bionic Hydrofoil, B-Spline, Local Refinement, Transient Cavitation Flow	21, 2, 296-307	10.2507/IJSIMM21-2-605	Shi H. X., Meng J., Li Y., Zhang H. Z., Wang F., Xu W. (2022). Effects of Fitting Error on the Hydraulic Performance of Bionic Hydrofoils. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 296-307
37	Jiang, S. B.; Huang, S.; Zeng, Q. L.; Wang, C. L.; Gao, K. D. & Zhang, Y. Q.	Dynamic Properties of Chain Drive System Considering Multiple Impact Factors	Scraper Conveyor, Dynamic Property, Impact Load, Joint Simulation	21, 2, 284-295	10.2507/IJSIMM21-2-603	Jiang S. B., Huang S., Zeng Q. L., Wang C. L., Gao K. D., Zhang Y. Q. (2022). Dynamic Properties of Chain Drive System Considering Multiple Impact Factors. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 284-295
38	Uncu, N.	Load Balancing in Polling Systems under Different Policies via Simulation Optimization	Multi-Class Queues, Polling Systems, Routing, Simulation	21, 2, 273-283	10.2507/IJSIMM21-2-602	Uncu N. (2022). Load Balancing in Polling Systems under Different Policies via Simulation Optimization. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 273-283
39	Guo, X. Y.; Zeng, Z.; Li, M. X. & Fu, S.	Simulation of Aircraft Cabin Evacuation Strategy Based on Exit Flow Equilibrium	Cabin Evacuation, Exit Flow Equalization, Evacuation Sequence, Evacuation Efficiency	21, 2, 261-272	10.2507/IJSIMM21-2-601	Guo X. Y., Zeng Z., Li M. X., Fu S. (2022). Simulation of Aircraft Cabin Evacuation Strategy Based on Exit Flow Equilibrium. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 261-272
40	Pezdevsek, M.; Kevorkijan, L. & Bilus, I.	Cavitation Erosion Modelling – Comparison of Two Solid Angle Projection Approaches	Cavitation, Erosion, Solid Angle, Numerical Simulation	21, 2, 249-260	10.2507/IJSIMM21-2-600	Pezdevsek M., Kevorkijan L., Bilus I. (2022). Cavitation Erosion Modelling – Comparison of Two Solid Angle Projection Approaches. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 249-260
41	Lopes, H.; Silva, S. P. & Machado, J.	FEA Approach for Predicting the Dynamic Behaviour of Cork-Rubber Composites	Cork-Rubber Composites, Dynamic Compression, Dynamic Stiffness, FEA, Natural Frequency, Shape Factor	21, 2, 237-248	10.2507/IJSIMM21-2-599	Lopes H., Silva S. P., Machado J. (2022). FEA Approach for Predicting the Dynamic Behaviour of Cork-Rubber Composites. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 237-248
42	Daneshjo, N.; Mares, A.; Malega, P. & Francova, Z.	CAD Model of Rear-View Mirror and Simulation of Its Aerodynamics and Noise	Rear-View Mirror, CAD Modelling, Airflow, Simulation, Noise, Aerodynamics	21, 2, 226-236	10.2507/IJSIMM21-2-598	Daneshjo N., Mares A., Malega P., Francova Z. (2022). CAD Model of Rear-View Mirror and Simulation of Its Aerodynamics and Noise. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 226-236
43	Straka, M.; Sofranko, M.; Glova Vegsoova, O. & Kovalcik, J.	Simulation of Homogeneous Production Processes	Homogeneous Production Processes, Manufacturing Logistics, Streamlining the Mining Industry, Simulation, ExtendSim, System	21, 2, 214-225	10.2507/IJSIMM21-2-597	Straka M., Sofranko M., Glova Vegsoova O., Kovalcik J. (2022). Simulation of Homogeneous Production Processes. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 214-225
44	Rodrigues, M. V. T.; Sirova, E. & Dyntar, J.	Maintenance Scheduling of Heating Networks Using Simulation in Witness	Preventive Maintenance, Maintenance Scheduling, Vehicle Routing, Discrete-Event Simulation, Witness	21, 2, 203-213	10.2507/IJSIMM21-2-590	Rodrigues M. V. T., Sirova E., Dyntar J. (2022). Maintenance Scheduling of Heating Networks Using Simulation in Witness. *Int. Journal of Simulation Modelling*, Vol. 21, No. 2, p. 203-213
45	Wang, Z. J. & Suo, J.	Optimization of Flexible Production Logistics under Low Carbon Constraint	Carbon Efficiency, Flexible Production Logistics, Low Carbon Constraint, Linear Programming	21, 1, 184-195	10.2507/IJSIMM21-1-CO5	Wang Z. J., Suo J. (2022). Optimization of Flexible Production Logistics under Low Carbon Constraint. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 184-195
46	Zhang, L. Y.; Duan, X. K.; Ma, J.; Zhang, M.; Wen, Y. & Wang, Y.	Mechanism of Road Capacity under Different Penetration Scenarios of Autonomous Vehicles	Autonomous Vehicles; Road Capacity, Mixed Traffic Flow, SUMO, Penetration Rate	21, 1, 172-183	10.2507/IJSIMM21-1-CO4	Zhang L. Y., Duan X. K., Ma J., Zhang M., Wen Y., Wang Y. (2022). Mechanism of Road Capacity under Different Penetration Scenarios of Autonomous Vehicles. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 172-183
47	Xu, N.; Hou, X. Y. & Jia, N.	Optimization of Multi-Stage Production Scheduling of Automated Production	Automated Production, Multi-Stage Production, Production Scheduling	21, 1, 160-171	10.2507/IJSIMM21-1-CO3	Xu N., Hou X. Y., Jia N. (2022). Optimization of Multi-Stage Production Scheduling of Automated Production. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 160-171
48	Sun, J.; Liu, S. F.; Zhang, X. H. & Gong, D. Q.	Simulation-Based Modelling of the Impact of Ridesharing on Urban System	Ride-Hailing, Ridesharing, Agent-Based Model, Simulation	21, 1, 148-159	10.2507/IJSIMM21-1-CO2	Sun J., Liu S. F., Zhang X. H., Gong D. Q. (2022). Simulation-Based Modelling of the Impact of Ridesharing on Urban System. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 148-159
49	Huang, Z. & Yang, J. J.	A New Model for Optimization of Cell Scheduling Considering Inter-Cell Movement	Inter-Cell Scheduling, Harmony Search, Cell Scheduling Sequence, Adaptive Neuro-Fuzzy Inference System, Extended Disjunctive Graph	21, 1, 136-147	10.2507/IJSIMM21-1-CO1	Huang Z., Yang J. J. (2022). A New Model for Optimization of Cell Scheduling Considering Inter-Cell Movement. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 136-147
50	Wang, S. R. & Huang, Q.	A Hybrid Code Genetic Algorithm for VRP in Public-Private Emergency Collaborations	Emergency Logistics, Vehicle Routing Problem, Genetic Algorithm, Health Emergencies	21, 1, 124-135	10.2507/IJSIMM21-1-595	Wang S. R., Huang Q. (2022). A Hybrid Code Genetic Algorithm for VRP in Public-Private Emergency Collaborations. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 124-135
51	Kovacic, B.; Mursec, L. & Lubej, S.	Synchronisation of Contactless Vibration Monitoring Methods	Model Synchronisation, Displacement Simulation, Geodetic Measurements, Physical Measurements	21, 1, 113-123	10.2507/IJSIMM21-1-594	Kovacic B., Mursec L., Lubej S. (2022). Synchronisation of Contactless Vibration Monitoring Methods. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 113-123
52	Pekarcikova, M.; Trebuna, P.; Kliment, M. & Schmacher, B. A. K.	Milk Run Testing through Tecnomatix Plant Simulation Software	Milk Run, Logistics, Model, Simulation, Lean Production	21, 1, 101-112	10.2507/IJSIMM21-1-593	Pekarcikova M., Trebuna P., Kliment M., Schmacher B. A. K. (2022). Milk Run Testing through Tecnomatix Plant Simulation Software. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 101-112

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53	Fu, S.; Guo, X. Y.; Dong, L. H.; Sheng, K. & Sun, A.	Numerical Simulation of Migration Laws of Dense Particle Flow in Pipelines	Dense Discrete Phase Model, Pipelines, Dense Particle Flow, Numerical Simulation	21, 1, 89-100	10.2507/IJSIMM21-1-592	Fu S., Guo X. Y., Dong L. H., Sheng K., Sun A. (2022). Numerical Simulation of Migration Laws of Dense Particle Flow in Pipelines. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 89-100
54	Tanasic, Z.; Janjic, G.; Sokovic, M. & Kusar, J.	Implementation of the Lean Concept and Simulations in SMEs – a Case Study	Lean Concept, Lean Methods and Tools, SMEs, VSM, Simulation, Wastes of Assembly Line	21, 1, 77-88	10.2507/IJSIMM21-1-589	Tanasic Z., Janjic G., Sokovic M., Kusar J. (2022). Implementation of the Lean Concept and Simulations in SMEs – a Case Study. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 77-88
55	Wang, T.; Zhang, X.; Zeng, Q. L.; Jiang, S. B. & Zhang, Y. N.	Modelling and Simulation on Cavity Cold Plate for Li-Ion Battery Thermal Management	Cold Plate Modelling, Thermal Simulation, Battery Thermal Management, CFD	21, 1, 65-76	10.2507/IJSIMM21-1-588	Wang T., Zhang X., Zeng Q. L., Jiang S. B., Zhang Y. N. (2022). Modelling and Simulation on Cavity Cold Plate for Li-Ion Battery Thermal Management. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 65-76
56	Kara, S.; Hizal, S. & Zengin, A.	Design and Implementation of a DEVS-Based Cyber-Attack Simulator for Cyber Security	Modelling and Simulation, Discrete Event Simulation, Cyber Security, Cyber-Attack Experiments, Network Testing Environments	21, 1, 53-64	10.2507/IJSIMM21-1-587	Kara S., Hizal S., Zengin A. (2022). Design and Implementation of a DEVS-Based Cyber-Attack Simulator for Cyber Security. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 53-64
57	Stefek, A.; Casar, J.; Stary, V. & Gacho, L.	Coupling of ODE and DES Models for Simulation of Air Defence in War-Gaming Experiment	Modelling and Simulation, Flight Route, War-Gaming, Optimal Track, Air Defence, Command and Control	21, 1, 41-52	10.2507/IJSIMM21-1-586	Stefek A., Casar J., Stary V., Gacho L. (2022). Coupling of ODE and DES Models for Simulation of Air Defence in War-Gaming Experiment. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 41-52
58	Lindegren, M. L.; Lunau, M. R.; Mafia, M. M. P. & Ribeiro da Silva, E.	Combining Simulation and Data Analytics for OEE Improvement	Discrete Event Simulation, Data Analytics, OEE, Improvement, Industry 4.0	21, 1, 29-40	10.2507/IJSIMM21-1-584	Lindegren M. L., Lunau M. R., Mafia M. M. P., Ribeiro da Silva E. (2022). Combining Simulation and Data Analytics for OEE Improvement. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 29-40
59	Cam, S.; Oguztuzun, H. & Yilmaz, L.	Hypothesis-Driven Simulation Experiments with an Extension to SED-ML	Design of Experiments, Simulation Experiment Description Markup Language, Global Model Management, Signal Temporal Logic	21, 1, 17-28	10.2507/IJSIMM21-1-583	Cam S., Oguztuzun H., Yilmaz L. (2022). Hypothesis-Driven Simulation Experiments with an Extension to SED-ML. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 17-28
60	Jemmali, M.; Hidri, L. & Alourani, A.	Two-Stage Hybrid Flowshop Scheduling Problem with Independent Setup Times	Two-Stage Hybrid Flowshop, Independent Setup Times, Genetic Algorithm, Heuristics, Lower Bounds	21, 1, 5-16	10.2507/IJSIMM21-1-577	Jemmali M., Hidri L., Alourani A. (2022). Two-Stage Hybrid Flowshop Scheduling Problem with Independent Setup Times. *Int. Journal of Simulation Modelling*, Vol. 21, No. 1, p. 5-16
1	Meng, J. L.	Demand Prediction and Allocation Optimization of Manufacturing Resources	Intelligent Manufacturing, Allocation Optimization, Demand Prediction, Production and Manufacturing (P-M) Resources	20, 4, 790-801	10.2507/IJSIMM20-4-CO20	Meng J. L. (2021). Demand Prediction and Allocation Optimization of Manufacturing Resources. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 790-801
2	Wang, M.	Manufacturing Capacity Evaluation of Smart Job-Shop Based on Neural Network	Smart Job-Shop, Manufacturing Capacity, Backpropagation Neural Network (BPNN), Firefly Algorithm, Sparrow Search Algorithm (SSA)	20, 4, 778-789	10.2507/IJSIMM20-4-CO19	Wang M. (2021). Manufacturing Capacity Evaluation of Smart Job-Shop Based on Neural Network. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 778-789
3	Meng, Z. S.; Zhang, J. M.; Xie, Y. Y.; Lu, Z. G. & Zeng, Q. L.	Analysis of the Force Response of a Double-Canopy Hydraulic Support under Impact Loads	Hydraulic Support, Impact Load, Force Response, Double-Canopy	20, 4, 766-777	10.2507/IJSIMM20-4-CO18	Meng Z. S., Zhang J. M., Xie Y. Y., Lu Z. G., Zeng Q. L. (2021). Analysis of the Force Response of a Double-Canopy Hydraulic Support under Impact Loads. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 766-777
4	Liu, J.-Y.; Liu, S.-F. & Gong, D.-Q.	Electric Vehicle Charging Station Layout Based on Particle Swarm Simulation	Electric Car, Charging Station Layout, Simulation, PSO	20, 4, 754-765	10.2507/IJSIMM20-4-CO17	Liu J.-Y., Liu S.-F., Gong D.-Q. (2021). Electric Vehicle Charging Station Layout Based on Particle Swarm Simulation. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 754-765
5	Ouyang, K. M. & Liu, S. F.	A Simulation Method for Rail Transit Sign Optimization	Urban Rail Transit, Guidance Sign, Layout Optimization, Simulation	20, 4, 742-753	10.2507/IJSIMM20-4-CO16	Ouyang K. M., Liu S. F. (2021). A Simulation Method for Rail Transit Sign Optimization. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 742-753
6	Huang, J. H.; Sun, M. G. & Cheng, Q.	Congestion Risk Propagation Model Based on Multi-Layer Time-Varying Network	Urban Traffic, Congestion Propagation Analysis, Microscopic Markov Chain, Traffic Information, Group Behavioural Characteristics of Drivers	20, 4, 730-741	10.2507/IJSIMM20-4-585	Huang J. H., Sun M. G., Cheng Q. (2021). Congestion Risk Propagation Model Based on Multi-Layer Time-Varying Network. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 730-741
7	Gajsek, B.; Dukic, G.; Kovacic, M. & Brezocnik, M.	A Multi-Objective Genetic Algorithms Approach for Modelling of Order Picking	Order Picking, Productivity, Energy Expenditure, Health Risk, Modelling and Optimization, Genetic Algorithm	20, 4, 719-729	10.2507/IJSIMM20-4-582	Gajsek B., Dukic G., Kovacic M., Brezocnik M. (2021). A Multi-Objective Genetic Algorithms Approach for Modelling of Order Picking. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 719-729
8	Ma, X. Y.; Lin, Y. & Ma, Q. W.	Data-Driven Robust Model for Container Slot Allocation with Uncertain Demand	Copula Method, Data-Driven, Robust Optimization, Container Slot Allocation	20, 4, 707-718	10.2507/IJSIMM20-4-581	Ma X. Y., Lin Y., Ma Q. W. (2021). Data-Driven Robust Model for Container Slot Allocation with Uncertain Demand. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 707-718
9	Ray, T.; Kaljun, J. & Dolsak, B.	Numerical Model Application to Predict the Sound Quality of an Instrument	Numerical Analysis, Simulation, Electric Guitar, Wooden Solid Body, Vibroacoustic Properties	20, 4, 696-706	10.2507/IJSIMM20-4-580	Ray T., Kaljun J., Dolsak B. (2021). Numerical Model Application to Predict the Sound Quality of an Instrument. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 696-706
10	Shi, H. X.; Meng, J. & Li, Y.	Numerical Simulation of Coarse Particle Two-Phase Flow in Two-Stage Vortex Pump	Vortex Pump, Two-Phase Flow, Particle Diameter, Particle Concentration	20, 4, 684-695	10.2507/IJSIMM20-4-579	Shi H. X., Meng J., Li Y. (2021). Numerical Simulation of Coarse Particle Two-Phase Flow in Two-Stage Vortex Pump. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 684-695
11	Ojstersek, R. & Buchmeister, B.	Simulation Based Resource Capacity Planning with Constraints	Simulation Modelling, Mathematical Modelling, Resource Capacity Planning, Constraints Theory, Decision-Making Algorithm	20, 4, 672-683	10.2507/IJSIMM20-4-578	Ojstersek R., Buchmeister B. (2021). Simulation Based Resource Capacity Planning with Constraints. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 672-683

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12	Kim, B. S.; Kim, T. G. & Choi, S. H.	CoDEVS: an Extension of DEVS for Integration of Simulation and Machine Learning	DEVS Formalism, Cooperative DEVS (CoDEVS), Machine Learning, Data Modelling, Simulation Modelling	20, 4, 661-671	10.2507/IJSIMM20-4-576	Kim B. S., Kim T. G., Choi S. H. (2021). CoDEVS: an Extension of DEVS for Integration of Simulation and Machine Learning. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 661-671
13	Kallakuri, R. & Bahuguna, P. C.	Role of Operator Training Simulators in Hydrocarbon Industry – a Review	Operator Training Simulator, Simulator Configuration, Human Error, Training Transfer	20, 4, 649-660	10.2507/IJSIMM20-4-575	Kallakuri R., Bahuguna P. C. (2021). Role of Operator Training Simulators in Hydrocarbon Industry – a Review. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 649-660
14	Masovic, R.; Breski, T.; Cular, I.; Vuckovic, K. & Zezelj, D.	Numerical Model for Worm Gear Pair Inspection Based on 3D Scanned Data	Gear Inspection, Worm Gear Pair, Worm Wheel, Transmission Error, 3D Optical Scan, Contact Pattern	20, 4, 637-648	10.2507/IJSIMM20-4-573	Masovic R., Breski T., Cular I., Vuckovic K., Zezelj D. (2021). Numerical Model for Worm Gear Pair Inspection Based on 3D Scanned Data. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 637-648
15	Filaretov, V. F.; Konoplin, A. Y.; Zuev, A. V. & Krasavin, N. A.	A Method to Synthesize High-Precision Motion Control Systems for Underwater Manipulator	Underwater Multi-Joint Manipulator, Underwater Vehicle, Identification, High-Precision, Observer	20, 4, 625-636	10.2507/IJSIMM20-4-571	Filaretov V. F., Konoplin A. Y., Zuev A. V., Krasavin N. A. (2021). A Method to Synthesize High-Precision Motion Control Systems for Underwater Manipulator. *Int. Journal of Simulation Modelling*, Vol. 20, No. 4, p. 625-636
16	Wang, N.; Li, X. J. & Nie, H.	Digital Production Control of Manufacturing Workshop Based on Internet of Things	Internet of Things (IoT), Digital Production, Production Control, Manufacturing Workshop	20, 3, 606-617	10.2507/IJSIMM20-3-CO15	Wang N., Li X. J., Nie H. (2021). Digital Production Control of Manufacturing Workshop Based on Internet of Things. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 606-617
17	Dai, Y.; Zhang, Y. Y.; Bian, J. N.; Han, K.; Zhu, X.; Huang, Z. H. & Xie, Y.	CFD Simulation on Hydrodynamics of Underwater Vehicle with Ducted Propellers	Underwater Vehicle, Ducted Propeller, Hydrodynamics Characteristics, CFD Simulation, Test Verification	20, 3, 595-605	10.2507/IJSIMM20-3-CO14	Dai Y., Zhang Y. Y., Bian J. N., Han K., Zhu X., Huang Z. H., Xie Y. (2021). CFD Simulation on Hydrodynamics of Underwater Vehicle with Ducted Propellers. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 595-605
18	Li, W.; Miao, L. & Yang, P.	Simulation Analysis of Robotic Mobile Fulfilment System Based on Cellular Automata	Robotic Mobile Fulfilment System (RMFS), Warehouse Performance, Cellular Automaton Model, Simulation	20, 3, 583-594	10.2507/IJSIMM20-3-CO13	Li W., Miao L., Yang P. (2021). Simulation Analysis of Robotic Mobile Fulfilment System Based on Cellular Automata. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 583-594
19	Chen, D. & Zhao, X. R.	Production Management of Hybrid Flow Shop Based on Genetic Algorithm	Genetic Algorithm (GA), Hybrid Flow Shop (HFS), Production Management	20, 3, 571-582	10.2507/IJSIMM20-3-CO12	Chen D., Zhao X. R. (2021). Production Management of Hybrid Flow Shop Based on Genetic Algorithm. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 571-582
20	Qian, S.; Bai, Z. H.; Hu, W. T.; Lin, W.; Wang, T. L. & Zhang, J. S.	Design and Key Process Simulation of a New Type of Pipe Bending Unit	New-Type Pipe Bending Unit, Finite Element Model, Clearance, Surface Friction, Push-Bending Speed	20, 3, 559-570	10.2507/IJSIMM20-3-574	Qian S., Bai Z. H., Hu W. T., Lin W., Wang T. L., Zhang J. S. (2021). Design and Key Process Simulation of a New Type of Pipe Bending Unit. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 559-570
21	Wang, D. L.; Zeng, X. T.; Wang, G. F. & Li, R.	Stability of a Face Guard in a Large Mining Height Working Face	Coal Wall Spalling, Hydraulic Support, Face Guard Mechanism, Coupling Relationship	20, 3, 547-558	10.2507/IJSIMM20-3-572	Wang D. L., Zeng X. T., Wang G. F., Li R. (2021). Stability of a Face Guard in a Large Mining Height Working Face. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 547-558
22	Strachotova, D. & Dyntar, J.	Support of Scheduling of Multiproduct Pipeline Systems Using Simulation in Witness	Logistics, Scheduling, Pipeline System, Discrete-Event Simulation, Witness	20, 3, 536-546	10.2507/IJSIMM20-3-570	Strachotova D., Dyntar J. (2021). Support of Scheduling of Multiproduct Pipeline Systems Using Simulation in Witness. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 536-546
23	Chen, F. Y.; Cheng, L.; Wang, C.; Gao, Z. & Luo, C.	Influence of the Inclined Pipe Section on the Performance of a Waterjet Propulsion Device	Waterjet Propulsion Device, Length of Inlet Passage, Rotational Speed, Hydrodynamic	20, 3, 525-535	10.2507/IJSIMM20-3-569	Chen F. Y., Cheng L., Wang C., Gao Z., Luo C. (2021). Influence of the Inclined Pipe Section on the Performance of a Waterjet Propulsion Device. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 525-535
24	Ambrozkiewicz, B.; Litak, G.; Georgiadis, A.; Syta, A.; Meier, N. & Gassner, A.	Effect of Radial Clearance on Ball Bearing's Dynamics Using a 2-DOF Model	Ball Bearings, Radial Internal Clearance, Nonlinear Dynamics, Recurrence Plots, Recurrence Quantification Analysis	20, 3, 513-524	10.2507/IJSIMM20-3-568	Ambrozkiewicz B., Litak G., Georgiadis A., Syta A., Meier N., Gassner A. (2021). Effect of Radial Clearance on Ball Bearing's Dynamics Using a 2-DOF Model. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 513-524
25	Straka, M.; Spirkova, D. & Filla, M.	Improved Efficiency of Manufacturing Logistics by Using Computer Simulation	Efficiency, Logistics, Simulation, Design, ExtendSim, System	20, 3, 501-512	10.2507/IJSIMM20-3-567	Straka M., Spirkova D., Filla M. (2021). Improved Efficiency of Manufacturing Logistics by Using Computer Simulation. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 501-512
26	Kilic, R. & Erkayman, B.	A Simulation Approach for Transition to JIT Production System	Discrete Event Simulation (DES), Just-in-Time (JIT), Lean Manufacturing, Production Line Efficiency, Solar Panel Production	20, 3, 489-500	10.2507/IJSIMM20-3-566	Kilic R., Erkayman B. (2021). A Simulation Approach for Transition to JIT Production System. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 489-500
27	Choi, S. H. & Kim, B. S.	A Robust Method for Identifying the Best and Worst Subsets in Stochastic Simulation	Stochastic Simulation, Simulation Experiments, Best and Worst Subsets, Simulation Budget Allocation, Robustness	20, 3, 477-488	10.2507/IJSIMM20-3-565	Choi S. H., Kim B. S. (2021). A Robust Method for Identifying the Best and Worst Subsets in Stochastic Simulation. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 477-488
28	Deniz, E.; Tuncel, G.; Yalcinkaya, O. & Esmer, S.	Simulation of Multi-Crane Single and Dual Cycling Strategies in a Container Terminal	Terminal Operations, Quay Crane, Dual Cycling, Simulation	20, 3, 465-476	10.2507/IJSIMM20-3-559	Deniz E., Tuncel G., Yalcinkaya O., Esmer S. (2021). Simulation of Multi-Crane Single and Dual Cycling Strategies in a Container Terminal. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 465-476
29	Lu, Q. & Tettamanti, T.	Impacts of Connected and Automated Vehicles on Freeway with Increased Speed Limit	CAV Penetration, Time Headway, Speed Limit, Freeway Capacity, Fuel Consumption, Emission	20, 3, 453-464	10.2507/IJSIMM20-3-556	Lu Q., Tettamanti T. (2021). Impacts of Connected and Automated Vehicles on Freeway with Increased Speed Limit. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 453-464
30	Grznar, P.; Gregor, M.; Gaso, M.; Gabajova, G.; Schickerle, M. & Burganova, N.	Dynamic Simulation Tool for Planning and Optimisation of Supply Process	Modelling and Simulation, Optimisation of the Supply Process, Automated Guided Vehicle, Automotive Industry	20, 3, 441-452	10.2507/IJSIMM20-3-552	Grznar P., Gregor M., Gaso M., Gabajova G., Schickerle M., Burganova N. (2021). Dynamic Simulation Tool for Planning and Optimisation of Supply Process. *Int. Journal of Simulation Modelling*, Vol. 20, No. 3, p. 441-452

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31	Mao, C. L.	Production Management of Multi-Objective Flexible Job-Shop Based on Improved PSO	Multi-Objective Flexible Job-Shop Production Management, Improved Particle Swarm Optimization (PSO), Dynamic Response	20, 2, 422-433	10.2507/IJSIMM20-2-CO11	Mao C. L. (2021). Production Management of Multi-Objective Flexible Job-Shop Based on Improved PSO. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 422-433
32	Zhao, Y. & Zhang, H.	Application of Machine Learning and Rule Scheduling in a Job-Shop Production Control System	Deep Reinforcement Learning, Rule Scheduling, Job-Shop, Production Control	20, 2, 410-421	10.2507/IJSIMM20-2-CO10	Zhao Y., Zhang H. (2021). Application of Machine Learning and Rule Scheduling in a Job-Shop Production Control System. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 410-421
33	Wang, X. L.	Game-Based Hybrid Particle Swarm Optimization of Job-Shop Production Control	Game-Based Hybrid Particle Swarm Optimization (GBHPSO), Production Control, Product Utility	20, 2, 398-409	10.2507/IJSIMM20-2-CO9	Wang X. L. (2021). Game-Based Hybrid Particle Swarm Optimization of Job-Shop Production Control. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 398-409
34	Wang, F.	Multi-Scenario Simulation of Subway Emergency Evacuation Based on Multi-Agent	Multi-Agent, Subway Emergency Evacuation, Simulation	20, 2, 387-397	10.2507/IJSIMM20-2-CO8	Wang F. (2021). Multi-Scenario Simulation of Subway Emergency Evacuation Based on Multi-Agent. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 387-397
35	Han, B. A. & Yang, J. J.	A Deep Reinforcement Learning Based Solution for Flexible Job Shop Scheduling Problem	Flexible Job Shop Scheduling Problem (FJSP), Deep Reinforcement Learning (DRL), End-to-End, Pointer Network, Attention Mechanism, 3D Disjunctive Graph	20, 2, 375-386	10.2507/IJSIMM20-2-CO7	Han B. A., Yang J. J. (2021). A Deep Reinforcement Learning Based Solution for Flexible Job Shop Scheduling Problem. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 375-386
36	Yin, M.; Xu, L. J.; Dai, Y.; Yang, D. & Zhu, X.	Flow Characteristics of Oil-Guiding Splash Lubrication: Simulation and Experiment Studies	Splash Lubrication, Computational Fluid Dynamics, Forced Vortex, Main Reducer, Oil-Guiding Cylinder	20, 2, 363-374	10.2507/IJSIMM20-2-CO6	Yin M., Xu L. J., Dai Y., Yang D., Zhu X. (2021). Flow Characteristics of Oil-Guiding Splash Lubrication: Simulation and Experiment Studies. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 363-374
37	Liu, M. L.; Zhang, C.; Wu, Q. L. & Meng, B. R.	Vehicle Routing Problem with Soft Time Windows of Cargo Transport O2O Platforms	Cargo Transport O2O, Vehicle Routing Problem, Soft Time Window, Improved Genetic Algorithm	20, 2, 351-362	10.2507/IJSIMM20-2-564	Liu M. L., Zhang C., Wu Q. L., Meng B. R. (2021). Vehicle Routing Problem with Soft Time Windows of Cargo Transport O2O Platforms. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 351-362
38	Lipus, L. C.; Budzyn, G. & Acko, B.	Analysis of Laser Interferometer Measurement Uncertainty by Simulating Error Sources	Laser Interferometry, Measurement Uncertainty, Simulation, Calibration	20, 2, 339-350	10.2507/IJSIMM20-2-563	Lipus L. C., Budzyn G., Acko B. (2021). Analysis of Laser Interferometer Measurement Uncertainty by Simulating Error Sources. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 339-350
39	Xi, W. & Lu, W. G.	Formation Mechanism of an Adherent Vortex in the Side Pump Sump of a Pumping Station	Pump Station Engineering, Side Pump Sump, Adherent Vortex	20, 2, 327-338	10.2507/IJSIMM20-2-562	Xi W., Lu W. G. (2021). Formation Mechanism of an Adherent Vortex in the Side Pump Sump of a Pumping Station. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 327-338
40	Calvo Hernandez, A.; Sanz Bobi, J. de D.; Gomez Fernandez, J. & Badolato Martin, A.	Vibration Reduction on Overhead Contact Rails: a Simulation-Optimization Approach	Pantograph-Catenary Interaction, Overhead Contact Rail, Vibration	20, 2, 315-326	10.2507/IJSIMM20-2-561	Calvo Hernandez A., Sanz Bobi J. de D., Gomez Fernandez J., Badolato Martin A. (2021). Vibration Reduction on Overhead Contact Rails: a Simulation-Optimization Approach. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 315-326
41	Curkovic, P. & Cubric, G.	Fused Deposition Modelling for 3D Printing of Soft Anthropomorphic Actuators	Soft Robots, Modelling, Analysis, Fused Deposition Modelling, Anthropomorphic Actuator	20, 2, 303-314	10.2507/IJSIMM20-2-560	Curkovic P., Cubric G. (2021). Fused Deposition Modelling for 3D Printing of Soft Anthropomorphic Actuators. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 303-314
42	Wang, S. R.; Zhao, J. Q.; Wu, X. G.; Yang, J. H. & Liu, A.	Meso-Scale Simulations of Lightweight Aggregate Concrete under Impact Loading	Lightweight Aggregate Concrete, Strain Rate, Energy Dissipation, Simulation, Damage	20, 2, 291-302	10.2507/IJSIMM20-2-558	Wang S. R., Zhao J. Q., Wu X. G., Yang J. H., Liu A. (2021). Meso-Scale Simulations of Lightweight Aggregate Concrete under Impact Loading. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 291-302
43	Janekova, J.; Fabianova, J. & Kadarova, J.	Selection of Optimal Investment Variant Based on Monte Carlo Simulations	Investment, Decision-Making, Monte Carlo Simulation, Risk Assessment	20, 2, 279-290	10.2507/IJSIMM20-2-557	Janekova J., Fabianova J., Kadarova J. (2021). Selection of Optimal Investment Variant Based on Monte Carlo Simulations. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 279-290
44	Sampayo, D.; Luque, P.; Mantaras, D. A. & Rodriguez, E.	Go-Kart Chassis Design Using Finite Element Analysis and Multibody Dynamic Simulation	Go-Kart, Finite Element Analysis, Multibody Dynamics	20, 2, 267-278	10.2507/IJSIMM20-2-555	Sampayo D., Luque P., Mantaras D. A., Rodriguez E. (2021). Go-Kart Chassis Design Using Finite Element Analysis and Multibody Dynamic Simulation. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 267-278
45	Gudelj, M.; Delic, M.; Kuzmanovic, B.; Tesic, Z. & Tasic, N.	Business Process Management Model as an Approach to Process Orientation	Business Process Management, Process Orientation, Operational Management, Model	20, 2, 255-266	10.2507/IJSIMM20-2-554	Gudelj M., Delic M., Kuzmanovic B., Tesic Z., Tasic N. (2021). Business Process Management Model as an Approach to Process Orientation. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 255-266
46	Paszkowiak, W.; Bartkowiak, T. & Pelic, M.	Kinematic Model of a Logistic Train with a Double Ackermann Steering System	Logistic Train, Milk-Run, Kinematic Model, Double Ackermann, Tractor-Trailer System, Trajectory Control	20, 2, 243-254	10.2507/IJSIMM20-2-550	Paszkowiak W., Bartkowiak T., Pelic M. (2021). Kinematic Model of a Logistic Train with a Double Ackermann Steering System. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 243-254
47	Sotelo, C.; Favela-Contreras, A.; Ramirez-Mendoza, R. A.; Beltran-Carbajal, F.; Cruz, E. & Sotelo, D.	Rigorous Dynamic Simulation of a Dehydration and Desalting Crude Oil Unit Using Aspen HYSYS®	Dehydration Unit, Desalting Unit, Modelling, Simulation, Aspen HYSYS®	20, 2, 231-242	10.2507/IJSIMM20-2-546	Sotelo C., Favela-Contreras A., Ramirez-Mendoza R. A., Beltran-Carbajal F., Cruz E., Sotelo D. (2021). Rigorous Dynamic Simulation of a Dehydration and Desalting Crude Oil Unit Using Aspen HYSYS®. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 231-242
48	Khan, M. A. A. & Sheikh, A. K.	Simulation-Based Mould Design, Life Prediction and Reliability Assessment of a Valve Body	Metal Casting, Mould Design, Simulation, Fatigue Life, Reliability, Optimization	20, 2, 219-230	10.2507/IJSIMM20-2-543	Khan M. A. A., Sheikh A. K. (2021). Simulation-Based Mould Design, Life Prediction and Reliability Assessment of a Valve Body. *Int. Journal of Simulation Modelling*, Vol. 20, No. 2, p. 219-230
49	Wei, F. F.; Cao, C. Y. & Zhang, H. P.	An Improved Genetic Algorithm for Resource-Constrained Flexible Job-Shop Scheduling	Multi-Objective Genetic Algorithm (MOGA), Resource Constraints, Flexible Job-Shop	20, 1, 201-211	10.2507/IJSIMM20-1-CO5	Wei F. F., Cao C. Y., Zhang H. P. (2021). An Improved Genetic Algorithm for Resource-Constrained Flexible Job-Shop Scheduling. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 201-211

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50	Wu, P. J. & Yang, D.	E-Commerce Workshop Scheduling Based on Deep Learning and Genetic Algorithm	Workshop Scheduling, Genetic Algorithm (GA), Deep Learning Neural Network (DLNN), E-Commerce, Long Short-Term Memory Network (LSTM)	20, 1, 192-200	10.2507/IJSIMM20-1-CO4	Wu P. J., Yang D. (2021). E-Commerce Workshop Scheduling Based on Deep Learning and Genetic Algorithm. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 192-200
51	Wan, Y. M.	Amos-Based Risk Forecast of Manufacturing Supply Chain	Manufacturing Supply Chain, Risk Forecast, Modelling, Amos, Artificial Neural Network (ANN)	20, 1, 181-191	10.2507/IJSIMM20-1-CO3	Wan Y. M. (2021). Amos-Based Risk Forecast of Manufacturing Supply Chain. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 181-191
52	Wang, Y.; Yang, H. Y.; Chen, G. & Jia, Y. J.	Influence of Fit Clearance on the Stability of “Three Oil Film-Rotor” Structure	“Three Oil Film-Rotor” Structure, Fit Clearance, Oil Film Pressure, Oil Film Thickness, Axis Orbit	20, 1, 170-180	10.2507/IJSIMM20-1-CO2	Wang Y., Yang H. Y., Chen G., Jia Y. J. (2021). Influence of Fit Clearance on the Stability of “Three Oil Film-Rotor” Structure. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 170-180
53	Huo, H.; Wang, H. B. & Zhang, D. D.	Production Management and Control Based on Ant Colony Optimization and Neural Network	Ant Colony Optimization (ACO), Neural Network (NN), Discrete Manufacturing, Job-Shop Production Management and Control	20, 1, 158-169	10.2507/IJSIMM20-1-CO1	Huo H., Wang H. B., Zhang D. D. (2021). Production Management and Control Based on Ant Colony Optimization and Neural Network. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 158-169
54	Vukelic, D.; Kanovic, Z.; Sokac, M.; Santosi, Z.; Budak, I. & Tadic, B.	Modelling of Micro-Turning Process Based on Constant Cutting Force	Micro-Turning, Constant Cutting Force, Artificial Neural Network, Cutting Quality	20, 1, 146-157	10.2507/IJSIMM20-1-553	Vukelic D., Kanovic Z., Sokac M., Santosi Z., Budak I., Tadic B. (2021). Modelling of Micro-Turning Process Based on Constant Cutting Force. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 146-157
55	Pekarcikova, M.; Trebuna, P.; Kliment, M.; Mizerak, M. & Kral, S.	Simulation Testing of the E-Kanban to Increase the Efficiency of Logistics Processes	Logistics, Lean Tools, Simulation, E-Kanban	20, 1, 134-145	10.2507/IJSIMM20-1-551	Pekarcikova M., Trebuna P., Kliment M., Mizerak M., Kral S. (2021). Simulation Testing of the E-Kanban to Increase the Efficiency of Logistics Processes. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 134-145
56	Glamsch, J.; Rosnitschek, T. & Rieg, F.	Initial Population Influence on Hypervolume Convergence of NSGA-III	Evolutionary Algorithm, Multi-Objective Optimization, NSGA-III, Sampling, Initial Population	20, 1, 123-133	10.2507/IJSIMM20-1-549	Glamsch J., Rosnitschek T., Rieg F. (2021). Initial Population Influence on Hypervolume Convergence of NSGA-III. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 123-133
57	Sun, L. Q.; Jiang, K.; Zeng, Q. L.; Gao, K. D. & Zhang, X. D.	Influence of Drum Cutting Height on Shearer Cutting Unit Vibration by Co-Simulation Method	Shearer, Cutting Department, Vibration Analysis, Hydromechatronical Co-Simulation Method, Coal Cutting	20, 1, 111-122	10.2507/IJSIMM20-1-548	Sun L. Q., Jiang K., Zeng Q. L., Gao K. D., Zhang X. D. (2021). Influence of Drum Cutting Height on Shearer Cutting Unit Vibration by Co-Simulation Method. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 111-122
58	Sutak, D.; Hatala, M.; Mital, D.; Duplakova, D. & Botko, F.	Comprehensive Analysis of Cold Formed Tube in Drawing Process Using Simulation	Deform-3D, Mandrel, Cold Formed Tube, Drawing Process	20, 1, 99-110	10.2507/IJSIMM20-1-547	Sutak D., Hatala M., Mital D., Duplakova D., Botko F. (2021). Comprehensive Analysis of Cold Formed Tube in Drawing Process Using Simulation. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 99-110
59	Yu, J. P.; Zou, D. Y.; Liu, X. A. & Zhang, Y.	Simulation and Experimental Study on Hybrid Bit with Different Cutters	PDC, DIB, Rate of Penetration, Experiment, Simulation	20, 1, 87-98	10.2507/IJSIMM20-1-545	Yu J. P., Zou D. Y., Liu X. A., Zhang Y. (2021). Simulation and Experimental Study on Hybrid Bit with Different Cutters. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 87-98
60	Wang, H. L.; Hu, Q. X.; Yang, Y. & Wang, C.	Performance Differences of Electrical Submersible Pump under Variable Speed Schemes	Electrical Submersible Pump, Variable Speed Regulation, Transient Calculation, Numerical Simulation	20, 1, 76-86	10.2507/IJSIMM20-1-544	Wang H. L., Hu Q. X., Yang Y., Wang C. (2021). Performance Differences of Electrical Submersible Pump under Variable Speed Schemes. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 76-86
61	Berlec, T.; Tansek, B. & Kusar, J.	Selection of the Most Suitable Material Handling System in Production	Production, Material Handling Systems, Simulation, Optimisation, Cost-Benefit Analysis	20, 1, 64-75	10.2507/IJSIMM20-1-542	Berlec T., Tansek B., Kusar J. (2021). Selection of the Most Suitable Material Handling System in Production. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 64-75
62	Tic, V.; Rotovnik, A. & Lovrec, D.	Impact of Proportional Valves' Differences to Ensure Uniform Motion of Hydraulic Motors	Uniform Motion, Hydraulic Motor, Proportional Valve, Simulation	20, 1, 52-63	10.2507/IJSIMM20-1-540	Tic V., Rotovnik A., Lovrec D. (2021). Impact of Proportional Valves' Differences to Ensure Uniform Motion of Hydraulic Motors. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 52-63
63	Lamprecht, M. & Leonhartsberger, M.	Tool Stiffness Calculation in Roll Forming	Roll Forming, Tool Deflection, Stiffness, Deflection Behaviour, Finite Element Method (FEM)	20, 1, 40-51	10.2507/IJSIMM20-1-539	Lamprecht M., Leonhartsberger M. (2021). Tool Stiffness Calculation in Roll Forming. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 40-51
64	Cano, J. A.; Gomez-Montoya, R. A.; Cortes, P. & Campo, E. A.	MRP Systems Considering Fuzzy Capacity, Lead Times and Inventory Availability	MRP, Fuzzy Logic, Lead Time, Inventory, Production Capacity	20, 1, 29-39	10.2507/IJSIMM20-1-538	Cano J. A., Gomez-Montoya R. A., Cortes P., Campo E. A. (2021). MRP Systems Considering Fuzzy Capacity, Lead Times and Inventory Availability. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 29-39
65	Gong, D. C.; Chen, P. S. & Wang, S. J.	Simulation Study of Impact of Capacity Reservation Threshold on Order Fulfilment	Capacity Planning, Potential Order, Reservation Threshold, Reservation Strategy, Simulation, Machine Tool Industry, Assembly Plant	20, 1, 17-28	10.2507/IJSIMM20-1-537	Gong D. C., Chen P. S., Wang S. J. (2021). Simulation Study of Impact of Capacity Reservation Threshold on Order Fulfilment. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 17-28
66	Burinskiene, A.	The Efficiency Increase in a Two-Stage Transport System	Transport System, Two-Stage, Shipping Strategy, Delivery Strategy, Costs Metrics	20, 1, 5-16	10.2507/IJSIMM20-1-536	Burinskiene A. (2021). The Efficiency Increase in a Two-Stage Transport System. *Int. Journal of Simulation Modelling*, Vol. 20, No. 1, p. 5-16
1	Hu, X. P.	Cooperative Automatic Control for the Canopy Posture of a Four-Leg Hydraulic Support	Four-Leg Hydraulic Support, Canopy Posture, Cooperative Control, Double Closed-Loop	19, 4, 713-724	10.2507/IJSIMM19-4-CO20	Hu X. P. (2020). Cooperative Automatic Control for the Canopy Posture of a Four-Leg Hydraulic Support. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 713-724
2	Jiang, H.	Solving Multi-Robot Picking Problem in Warehouses: a Simulation Approach	Multi-Robot, Picking System, Warehouses, Two-Stage Order Batch Model; Dynamic Clustering Algorithm	19, 4, 701-712	10.2507/IJSIMM19-4-CO19	Jiang H. (2020). Solving Multi-Robot Picking Problem in Warehouses: a Simulation Approach. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 701-712

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3	Yu, Y. X.; Ke, S. D. & Jin, K. D.	Structural Parameters Optimization for a Proportional Solenoid	Optimization, Proportional Solenoid, Force-Displacement Characteristic, Parameter Sensitivity Analysis	19, 4, 689-700	10.2507/IJSIMM19-4-CO18	Yu Y. X., Ke S. D., Jin K. D. (2020). Structural Parameters Optimization for a Proportional Solenoid. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 689-700
4	Wang, C.; Yang, B. & Wang, H. Q.	Multi-Objective Master Production Schedule for Balanced Production of Manufacturers	Manufacturer, Master Production Schedule (MPS), Balanced Production, Multiple Objectives	19, 4, 678-688	10.2507/IJSIMM19-4-CO17	Wang C., Yang B., Wang H. Q. (2020). Multi-Objective Master Production Schedule for Balanced Production of Manufacturers. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 678-688
5	Gao, H. N.; Shen, D. H.; Yu, L. & Zhang, W. C.	Identification of Cutting Chatter through Deep Learning and Classification	Cutting Chatter, Chatter Identification, Deep Residual Convolutional Neural Network, Support Vector Machine, Variational Mode Decomposition	19, 4, 667-677	10.2507/IJSIMM19-4-CO16	Gao H. N., Shen D. H., Yu L., Zhang W. C. (2020). Identification of Cutting Chatter through Deep Learning and Classification. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 667-677
6	Ghinea, M.; Agud, M. & Bodog, M.	Simulation of Pneumatic Systems Using Automation Studio™ Software Platform	Pneumatics, Simulation, Pneumatic Engine, Mechatronics, Automation Studio	19, 4, 655-666	10.2507/IJSIMM19-4-541	Ghinea M., Agud M., Bodog M. (2020). Simulation of Pneumatic Systems Using Automation Studio™ Software Platform. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 655-666
7	Ren, W. J.; Wang, L.; Mao, Q. H.; Jiang, S. B. & Huang, S.	Coupling Properties of Chain Drive System under Various and Eccentric Loads	Scraper Conveyor, Dynamic Properties, Various Load, Eccentric Load, Coupling Analysis	19, 4, 643-654	10.2507/IJSIMM19-4-535	Ren W. J., Wang L., Mao Q. H., Jiang S. B., Huang S. (2020). Coupling Properties of Chain Drive System under Various and Eccentric Loads. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 643-654
8	Czyz, Z. & Karpinski, P.	Aerodynamic Characteristics of the X-Tail Stabilizer in a Hybrid Unmanned Aircraft	Aerodynamic Characteristics, Autogyro, Hybrid Aircraft, Multicopter, Stabilizer	19, 4, 631-642	10.2507/IJSIMM19-4-534	Czyz Z., Karpinski P. (2020). Aerodynamic Characteristics of the X-Tail Stabilizer in a Hybrid Unmanned Aircraft. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 631-642
9	Arango, I. & Herrera, A.	Simulator with Embedded Intelligence Focused on the Design Process	Mechatronic Simulation, Engineering Training, Dynamic Systems, Conceptual Design, 3D Animation, Methodical Design	19, 4, 619-630	10.2507/IJSIMM19-4-533	Arango I., Herrera A. (2020). Simulator with Embedded Intelligence Focused on the Design Process. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 619-630
10	Yu, J. P.; Zou, D. Y. & Zhang, Y.	Analysis of Rock Dynamic Stresses During the Drilling by Polycrystalline Diamond Compact Bits	PDC Bit, Rock Breaking, Dynamic Stress, Simulation Calculation, ANSYS/LS-DYNA, Wear Resistance	19, 4, 607-618	10.2507/IJSIMM19-4-532	Yu J. P., Zou D. Y., Zhang Y. (2020). Analysis of Rock Dynamic Stresses During the Drilling by Polycrystalline Diamond Compact Bits. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 607-618
11	Kang, W. T.; Derani, M. N. & Ratnam, M. M.	Effect of Vibration on Surface Roughness in Finish Turning: Simulation Study	Surface Roughness, Vibration, Simulation, Tool Wear	19, 4, 595-606	10.2507/IJSIMM19-4-531	Kang W. T., Derani M. N., Ratnam M. M. (2020). Effect of Vibration on Surface Roughness in Finish Turning: Simulation Study. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 595-606
12	Lopes, H.; Silva, S. P. & Machado, J.	Simulation of Temperature Evolution of Cork Composites During Moulding Process	Temperature, Cork Composites, Thermal Conductivity, Specific Heat, Density	19, 4, 583-594	10.2507/IJSIMM19-4-530	Lopes H., Silva S. P., Machado J. (2020). Simulation of Temperature Evolution of Cork Composites During Moulding Process. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 583-594
13	Lopes, H. S.; Lima, R. S. & Leal, F.	Simulation Project for Logistics of Brazilian Soybean Exportation	Simulation Project, Discrete-Event Simulation, Conceptual Modelling, Logistics, Soybean	19, 4, 571-582	10.2507/IJSIMM19-4-529	Lopes H. S., Lima R. S., Leal F. (2020). Simulation Project for Logistics of Brazilian Soybean Exportation. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 571-582
14	Istokovic, D.; Perinic, M.; Vlatkovic, M. & Brezocnik, M.	Minimizing Total Production Cost in a Hybrid Flow Shop: a Simulation-Optimization Approach	Hybrid Flow Shop, Batching, Batch Scheduling, Production Cost, Discrete Event Simulation, Genetic Algorithm	19, 4, 559-570	10.2507/IJSIMM19-4-525	Istokovic D., Perinic M., Vlatkovic M., Brezocnik M. (2020). Minimizing Total Production Cost in a Hybrid Flow Shop: a Simulation-Optimization Approach. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 559-570
15	Ficko, M.; Begic-Hajdarevic, D.; Hadziabdic, V. & Klancnik, S.	Multi-Response Optimisation of Turning Process Parameters with GRA and TOPSIS Methods	Turning, Cutting Parameters, Optimisation, Grey Relational Analysis, TOPSIS	19, 4, 547-558	10.2507/IJSIMM19-4-524	Ficko M., Begic-Hajdarevic D., Hadziabdic V., Klancnik S. (2020). Multi-Response Optimisation of Turning Process Parameters with GRA and TOPSIS Methods. *Int. Journal of Simulation Modelling*, Vol. 19, No. 4, p. 547-558
16	Zhang, Y. Q. & Zhang, H.	Dynamic Scheduling of Blocking Flow-Shop Based on Multi-Population ACO Algorithm	Flow-Shop Scheduling Problem, Dynamic Job-Shop Scheduling, Multi-Population Ant Colony Optimization Algorithm, Discrete Event Simulation	19, 3, 529-539	10.2507/IJSIMM19-3-CO15	Zhang Y. Q., Zhang H. (2020). Dynamic Scheduling of Blocking Flow-Shop Based on Multi-Population ACO Algorithm. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 529-539
17	Zhang, H. & Zhang, Y. Q.	A Discrete Job-Shop Scheduling Algorithm Based on Improved Genetic Algorithm	Discrete Job-Shop Scheduling Problem (DJSP), Bi-Directional Scheduling, Genetic Algorithm (GA), Rolling Window, Discrete Event Simulation	19, 3, 517-528	10.2507/IJSIMM19-3-CO14	Zhang H., Zhang Y. Q. (2020). A Discrete Job-Shop Scheduling Algorithm Based on Improved Genetic Algorithm. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 517-528
18	Lin, T.; Wu, P.; Gao, F. M. & Wu, T. S.	Energy-Saving Cloud Workflow Scheduling Based on Optimistic Cost Table	Energy Consumption, Workflows, Scheduling Algorithm, Sensors	19, 3, 505-516	10.2507/IJSIMM19-3-CO13	Lin T., Wu P., Gao F. M., Wu T. S. (2020). Energy-Saving Cloud Workflow Scheduling Based on Optimistic Cost Table. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 505-516
19	Huo, D. X.; Xiao, X. J. & Pan, Y. J.	Multi-Objective Energy-Saving Job-Shop Scheduling Based on Improved NSGA-II	Job-Shop Scheduling Problem, Multi-Objective Energy-Saving Optimization, Non-Dominated Sorting Genetic Algorithm II, Green Manufacturing	19, 3, 494-504	10.2507/IJSIMM19-3-CO12	Huo D. X., Xiao X. J., Pan Y. J. (2020). Multi-Objective Energy-Saving Job-Shop Scheduling Based on Improved NSGA-II. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 494-504
20	Yang, L.; Yang, B.; Yang, G. W.; Xiao, S. N.; Zhu, T. & Wang, F.	S-N Curve and Quantitative Relationship of Single-Spot and Multi-Spot Weldings	Spot Welding, Quantitative Relationship, S-N Curve, Finite Element Method, Optimization	19, 3, 482-493	10.2507/IJSIMM19-3-CO11	Yang L., Yang B., Yang G. W., Xiao S. N., Zhu T., Wang F. (2020). S-N Curve and Quantitative Relationship of Single-Spot and Multi-Spot Weldings. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 482-493
21	Kliment, M.; Trebuna, P.; Pekarcikova, M.; Straka, M.; Trojan, J. & Duda, R.	Production Efficiency Evaluation and Products' Quality Improvement Using Simulation	Simulation, Production Process, Efficiency, Quality	19, 3, 470-481	10.2507/IJSIMM19-3-528	Kliment M., Trebuna P., Pekarcikova M., Straka M., Trojan J., Duda R. (2020). Production Efficiency Evaluation and Products' Quality Improvement Using Simulation. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 470-481

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22	Jordan, E.; Berlec, T.; Rihar, L. & Kusar, J.	Simulation of Cost Driven Value Stream Mapping	Lean Production, Value Stream Mapping (VSM), Simulation, Leanness Cost Index, Portfolio Analysis of Production System Leanness	19, 3, 458-469	10.2507/IJSIMM19-3-527	Jordan E., Berlec T., Rihar L., Kusar J. (2020). Simulation of Cost Driven Value Stream Mapping. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 458-469
23	Kogler, C. & Rauch, P.	Game-Based Workshops for the Wood Supply Chain to Facilitate Knowledge Transfer	Discrete Event Simulation, Logistics, Wood-Based Industry, Decision Support System, Simulation Education; Workshop Design	19, 3, 446-457	10.2507/IJSIMM19-3-526	Kogler C., Rauch P. (2020). Game-Based Workshops for the Wood Supply Chain to Facilitate Knowledge Transfer. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 446-457
24	Freile, A. J.; Mula, J. & Campuzano-Bolarin, F.	Integrating Inventory and Transport Capacity Planning in a Food Supply Chain	Supply Chain, Inventory Management, Transport Capacity Management, Food Sector, Simulation, System Dynamics	19, 3, 434-445	10.2507/IJSIMM19-3-523	Freile A. J., Mula J., Campuzano-Bolarin F. (2020). Integrating Inventory and Transport Capacity Planning in a Food Supply Chain. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 434-445
25	Zheng, W.-Q.; Zhang, L.-P.; Zhang, L.-X. & Zhou, J.-P.	Reflux Problem Analysis and Structure Optimization of the Spiral Grooved-Wheel Fertilizer Apparatus	Staggered Spiral Grooved-Wheel, Reflux Phenomenon, Fertilization Performances, Structural Optimization	19, 3, 422-433	10.2507/IJSIMM19-3-522	Zheng W.-Q., Zhang L.-P., Zhang L.-X., Zhou J.-P. (2020). Reflux Problem Analysis and Structure Optimization of the Spiral Grooved-Wheel Fertilizer Apparatus. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 422-433
26	Sebo, J. & Busa Jr., J.	Comparison of Advanced Methods for Picking Path Optimization: Case Study of Dual-Zone Warehouse	Picking Path, Optimization, Genetic Algorithm, Travel Distance, Routing Strategy	19, 3, 410-421	10.2507/IJSIMM19-3-521	Sebo J., Busa Jr. J. (2020). Comparison of Advanced Methods for Picking Path Optimization: Case Study of Dual-Zone Warehouse. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 410-421
27	Meng, Z. S.; Zhang, S.; Xie, Y. Y. & Zeng, Q. L.	Attitude Adjustment of Backfilling Support Based on Mechanical-Hydraulic Co-Simulation	Backfilling Support, Attitude Adjustment, Vibration, Mechanical-Hydraulic Co-Simulation	19, 3, 399-409	10.2507/IJSIMM19-3-520	Meng Z. S., Zhang S., Xie Y. Y., Zeng Q. L. (2020). Attitude Adjustment of Backfilling Support Based on Mechanical-Hydraulic Co-Simulation. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 399-409
28	Koblasa, F.; Kralikova, R. & Votrubec, R.	Influence of EA Control Parameters to Optimization Process of FJSSP Problem	Evolution Algorithms, Flexible Job Shop Scheduling Problem, Parameter Control, Statistical Process Control	19, 3, 387-398	10.2507/IJSIMM19-3-519	Koblasa F., Kralikova R., Votrubec R. (2020). Influence of EA Control Parameters to Optimization Process of FJSSP Problem. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 387-398
29	Amorim, G. A.; Lopes, L. A. S. & Silva Junior, O. S.	Discrete Event-Based Railway Simulation Model for Eco-Efficiency Evaluation	Railyard, Discrete Event-Based, Simulation, Eco-Efficiency, Anylogic, Paranaguá	19, 3, 375-386	10.2507/IJSIMM19-3-517	Amorim G. A., Lopes L. A. S., Silva Junior O. S. (2020). Discrete Event-Based Railway Simulation Model for Eco-Efficiency Evaluation. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 375-386
30	Vilela, F. F.; Leal, F.; Montevechi, J. A. B. & Piedade, D. D. C.	Effect of Human Factor Performance on the Productivity of a Manual Assembly Line	Discrete Event Simulation, Human Factor Performance, Manual Assembly Line, Simulation Model Reliability	19, 3, 365-374	10.2507/IJSIMM19-3-508	Vilela F. F., Leal F., Montevechi J. A. B., Piedade D. D. C. (2020). Effect of Human Factor Performance on the Productivity of a Manual Assembly Line. *Int. Journal of Simulation Modelling*, Vol. 19, No. 3, p. 365-374
31	Fan, W. G.; Zhang, S.; Wang, J. D.; Wang, X. H. & Wang, W. X.	Temperature Field of Open-Structured Abrasive Belt Rail Grinding Using FEM	Rail Grinding, Belt Grinding, Temperature Field, Abrasive Scratching, FEM	19, 2, 346-356	10.2507/IJSIMM19-2-CO10	Fan W. G., Zhang S., Wang J. D., Wang X. H., Wang W. X. (2020). Temperature Field of Open-Structured Abrasive Belt Rail Grinding Using FEM. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 346-356
32	Yang, D.; Sun, Y. & Wu, K.	Assembly Reliability Modelling Technology Using Function Decomposing and LSSVM	Assembly Reliability, Reliability Modelling, STWM Model, Modified Grey Relation, LSSVM	19, 2, 334-345	10.2507/IJSIMM19-2-CO9	Yang D., Sun Y., Wu K. (2020). Assembly Reliability Modelling Technology Using Function Decomposing and LSSVM. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 334-345
33	Li, J. X. & Wen, X. N.	Construction and Simulation of Multi-Objective Rescheduling Model Based on PSO	Job-Shop Scheduling Problem (JSP), Particle Swarm Optimization (PSO), Dynamic Events, Multi-Objective Rescheduling	19, 2, 323-333	10.2507/IJSIMM19-2-CO8	Li J. X., Wen X. N. (2020). Construction and Simulation of Multi-Objective Rescheduling Model Based on PSO. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 323-333
34	Shen, C. & Chen, Y. L.	Blocking Flow Shop Scheduling Based on Hybrid Ant Colony Optimization	Blocking Flow Shop Scheduling Problem (BFSSP), Ant Colony Optimization, Swarm Intelligence Algorithm, Swap Local Search Algorithm	19, 2, 313-322	10.2507/IJSIMM19-2-CO7	Shen C., Chen Y. L. (2020). Blocking Flow Shop Scheduling Based on Hybrid Ant Colony Optimization. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 313-322
35	Xu, Y. L.; Nie, H. W.; Zhao, H. L. & Liu, J.	Mathematical Modelling and Simulation of a Novel Hydraulic Variable Valve Timing System	Hydraulic Variable Valve Timing (VVT) System, Mathematical Modelling, Simulation, AMESim	19, 2, 303-312	10.2507/IJSIMM19-2-CO6	Xu Y. L., Nie H. W., Zhao H. L., Liu J. (2020). Mathematical Modelling and Simulation of a Novel Hydraulic Variable Valve Timing System. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 303-312
36	Poklemba, R.; Duplakova, D.; Zajac, J.; Duplak, J.; Simkulet, V. & Goldyniak, D.	Design and Investigation of Machine Tool Bed Based on Polymer Concrete Mixture	Polymer Concrete, Bed Machine, Stress Analysis, Modal Analysis	19, 2, 291-302	10.2507/IJSIMM19-2-518	Poklemba R., Duplakova D., Zajac J., Duplak J., Simkulet V., Goldyniak D. (2020). Design and Investigation of Machine Tool Bed Based on Polymer Concrete Mixture. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 291-302
37	Hu, Q. X.; Yang, Y. & Shi, W. D.	Cavitation Simulation of Centrifugal Pump with Different Inlet Attack Angles	Centrifugal Pump, Cavitation, Numerical Calculation, Blade Loading, Inlet Attack Angle	19, 2, 279-290	10.2507/IJSIMM19-2-516	Hu Q. X., Yang Y., Shi W. D. (2020). Cavitation Simulation of Centrifugal Pump with Different Inlet Attack Angles. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 279-290
38	Popov, S.; Popovic, L.; Cosic, D.; Novakovic, T. & Curcic, K.	Geography of Things Based Flood Risk Insurance Modelling	Geography of Things, Geographic Information System, Smart City, Flood, Insurance Modelling, Urbanisation	19, 2, 267-278	10.2507/IJSIMM19-2-515	Popov S., Popovic L., Cosic D., Novakovic T., Curcic K. (2020). Geography of Things Based Flood Risk Insurance Modelling. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 267-278
39	Buschiazzo, M.; Mula, J. & Campuzano-Bolarin, F.	Simulation Optimization for the Inventory Management of Healthcare Supplies	Simulation Optimization, Inventory Management, Supply Chain Management, Healthcare Logistics, System Dynamics	19, 2, 255-266	10.2507/IJSIMM19-2-514	Buschiazzo M., Mula J., Campuzano-Bolarin F. (2020). Simulation Optimization for the Inventory Management of Healthcare Supplies. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 255-266
40	Pekarcikova, M.; Trebuna, P.; Kliment, M. & Rosocha, L.	Material Flow Optimization through E-Kanban System Simulation	E-Kanban, Modelling, Simulation, Visibility, Digitalization	19, 2, 243-254	10.2507/IJSIMM19-2-513	Pekarcikova M., Trebuna P., Kliment M., Rosocha L. (2020). Material Flow Optimization through E-Kanban System Simulation. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 243-254

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41	Wang, S. R.; Wang, Z. L.; Chen, Y. B.; Wang, Y. H. & Huang, Q. X.	Mechanical Performances Analysis of Tension-Torsion Coupling Anchor Cable	Anchor Cable, Simulation Modelling, Tension-Torsion, Equivalent Stress, Rotation	19, 2, 231-242	10.2507/IJSIMM19-2-512	Wang S. R., Wang Z. L., Chen Y. B., Wang Y. H., Huang Q. X. (2020). Mechanical Performances Analysis of Tension-Torsion Coupling Anchor Cable. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 231-242
42	Modrak, V. & Soltysova, Z.	Batch Size Optimization of Multi-Stage Flow Lines in Terms of Mass Customization	Mass Customization, Scheduling, Flow Shop, Batch Sizing, Due Date, Makespan	19, 2, 219-230	10.2507/IJSIMM19-2-511	Modrak V., Soltysova Z. (2020). Batch Size Optimization of Multi-Stage Flow Lines in Terms of Mass Customization. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 219-230
43	Dunder, M.; Samardzic, I.; Simunovic, G. & Konjatic, P.	Steel Weldability Investigation by Single and Double-Pass Weld Thermal Cycle Simulation	Weldability, Weld Thermal Cycle Simulation, Smitweld 1405, Heat-Affected Zone	19, 2, 209-218	10.2507/IJSIMM19-2-510	Dunder M., Samardzic I., Simunovic G., Konjatic P. (2020). Steel Weldability Investigation by Single and Double-Pass Weld Thermal Cycle Simulation. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 209-218
44	Rosnitschek, T.; Hueter, F. & Alber-Laukant, B.	FEM-Based Modelling of Elastic Properties and Anisotropic Sinter Shrinkage of Metal EAM	FEA, Anisotropy Shrinkage, Sintering, Material Extrusion Additive Manufacturing, Metallic Components, Representative Volume Elements	19, 2, 197-208	10.2507/IJSIMM19-2-509	Rosnitschek T., Hueter F., Alber-Laukant B. (2020). FEM-Based Modelling of Elastic Properties and Anisotropic Sinter Shrinkage of Metal EAM. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 197-208
45	Tvrdon, L. & Fedorko, G.	Usage of Dynamic Simulation in Pressing Shop Production System Design	Simulation, Modelling, Production Systems, Logistics	19, 2, 185-196	10.2507/IJSIMM19-2-494	Tvrdon L., Fedorko G. (2020). Usage of Dynamic Simulation in Pressing Shop Production System Design. *Int. Journal of Simulation Modelling*, Vol. 19, No. 2, p. 185-196
46	Fang, X.; Wang, R.; Yuan, F. J.; Gong, Y.; Cai, J. R. & Wang, Y. L.	Modelling and Simulation of Fresh-Product Supply Chain Considering Random Circulation Losses	Fresh Product, Circulation Loss, Wholesale Price, Supply Chain	19, 1, 169-177	10.2507/IJSIMM19-1-CO5	Fang X., Wang R., Yuan F. J., Gong Y., Cai J. R., Wang Y. L. (2020). Modelling and Simulation of Fresh-Product Supply Chain Considering Random Circulation Losses. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 169-177
47	Ren, J. F.; Ye, C. M. & Yang, F.	A Novel Solution to JSPs Based on Long Short-Term Memory and Policy Gradient Algorithm	Job-Shop Scheduling Problem (JSP), Long Short-Term Memory (LSTM), Pointer Network, Policy Gradient Algorithm	19, 1, 157-168	10.2507/IJSIMM19-1-CO4	Ren J. F., Ye C. M., Yang F. (2020). A Novel Solution to JSPs Based on Long Short-Term Memory and Policy Gradient Algorithm. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 157-168
48	Alatangaowa, B.; Batbileg, S. & Enkhbat, R.	A Bi-Objective Optimization Algorithm for Automobile Manufacturing Scheduling	Automobile Manufacturing, Workflow, Scheduling Optimization, Maximal Service Quality, Deadline	19, 1, 146-156	10.2507/IJSIMM19-1-CO3	Alatangaowa B., Batbileg S., Enkhbat R. (2020). A Bi-Objective Optimization Algorithm for Automobile Manufacturing Scheduling. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 146-156
49	Zhao, X. F.; Liu, H. Z.; Lin, S. X. & Chen, Y. K.	Design and Implementation of a Multiple AGV Scheduling Algorithm for a Job-Shop	Job-Shop, Automated Guided Vehicles (AGVs), Scheduling Algorithm, Path Planning	19, 1, 134-145	10.2507/IJSIMM19-1-CO2	Zhao X. F., Liu H. Z., Lin S. X., Chen Y. K. (2020). Design and Implementation of a Multiple AGV Scheduling Algorithm for a Job-Shop. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 134-145
50	Shi, D. L.; Zhang, B. B. & Li, Y.	A Multi-Objective Flexible Job-Shop Scheduling Model Based on Fuzzy Theory and Immune Genetic Algorithm	Flexible Job-Shop Scheduling Problem (FJSP), Fuzzy Delivery Time, Immune Genetic Algorithm (IGA), Makespan	19, 1, 123-133	10.2507/IJSIMM19-1-CO1	Shi D. L., Zhang B. B., Li Y. (2020). A Multi-Objective Flexible Job-Shop Scheduling Model Based on Fuzzy Theory and Immune Genetic Algorithm. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 123-133
51	Veingerl Cic, Z.; Vujica Herzog, N. & Macek, A.	Individual Work Performance Management Model	Individual Employee Performance Management, Nonlinear Connections, Service Sector, Structural Equation Modelling, WarpPLS 5.0	19, 1, 112-122	10.2507/IJSIMM19-1-507	Veingerl Cic Z., Vujica Herzog N., Macek A. (2020). Individual Work Performance Management Model. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 112-122
52	Wang, H. L.; Long, B.; Yang, Y.; Xiao, Y. & Wang, C.	Modelling the Influence of Inlet Angle Change on the Performance of Submersible Well Pumps	Submersible Well Pumps, Inlet Angle, Hydraulic Design, Internal Flow Field	19, 1, 100-111	10.2507/IJSIMM19-1-506	Wang H. L., Long B., Yang Y., Xiao Y., Wang C. (2020). Modelling the Influence of Inlet Angle Change on the Performance of Submersible Well Pumps. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 100-111
53	Kovac, M. & Djurdjevic, D.	Optimization of Order-Picking Systems through Tactical and Operational Decision Making	Warehouse Design, Order-Picking, System Approach, Simulation	19, 1, 89-99	10.2507/IJSIMM19-1-505	Kovac M., Djurdjevic D. (2020). Optimization of Order-Picking Systems through Tactical and Operational Decision Making. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 89-99
54	Onofrejova, D.; Janekova, J.; Grincova, A. & Soltysova, Z.	Simulation and Evaluation of Production Factors in Manufacturing of Fireplaces	Lean Production, Simulation Experiments, Capacity Optimization, Profit Maximization, Simplex Analysis	19, 1, 77-88	10.2507/IJSIMM19-1-504	Onofrejova D., Janekova J., Grincova A., Soltysova Z. (2020). Simulation and Evaluation of Production Factors in Manufacturing of Fireplaces. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 77-88
55	Ojstersek, R.; Acko, B. & Buchmeister, B.	Simulation Study of a Flexible Manufacturing System Regarding Sustainability	Manufacturing Flexibility, Sustainable Manufacturing, Simulation Modelling, Simio, Flexible Job Shop Scheduling Problem, Evolutionary Computation	19, 1, 65-76	10.2507/IJSIMM19-1-502	Ojstersek R., Acko B., Buchmeister B. (2020). Simulation Study of a Flexible Manufacturing System Regarding Sustainability. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 65-76
56	Bhatti, U. N.; Bashmal, S.; Khan, S. & Ali, S.	Design and Optimization of 6-DOF Platform Top Plate under Realistic Joint Conditions	Boundary Conditions, Joint Contacts, Parallel Kinematic Manipulators, Top Plate Stiffness, Optimization	19, 1, 53-64	10.2507/IJSIMM19-1-501	Bhatti U. N., Bashmal S., Khan S., Ali S. (2020). Design and Optimization of 6-DOF Platform Top Plate under Realistic Joint Conditions. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 53-64
57	Pabiszczak, S. & Staniek, R.	Investigation of Contact Stresses in the Eccentric Rolling Transmission	Eccentric Rolling Transmission, Contact Stress, FEM Simulation	19, 1, 41-52	10.2507/IJSIMM19-1-500	Pabiszczak S., Staniek R. (2020). Investigation of Contact Stresses in the Eccentric Rolling Transmission. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 41-52
58	Szurgott, P. & Bernacki, P.	Modelling of Steel-Concrete Bridges Subjected to a Moving High-Speed Train	Railway Vehicle, Vehicle Track Interaction, Railway Track, Train Passing, Simulation	19, 1, 29-40	10.2507/IJSIMM19-1-499	Szurgott P., Bernacki P. (2020). Modelling of Steel-Concrete Bridges Subjected to a Moving High-Speed Train. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 29-40
59	Yang, Z. K.; Sun, Z. Y.; Jiang, S. B.; Mao, Q. H.; Liu, P. & Xu, C. Z.	Structural Analysis on Impact-Mechanical Properties of Ultra-High Hydraulic Support	Hydraulic Support, Mechanical Properties, Impact Load, Support Stability	19, 1, 17-28	10.2507/IJSIMM19-1-498	Yang Z. K., Sun Z. Y., Jiang S. B., Mao Q. H., Liu P., Xu C. Z. (2020). Structural Analysis on Impact-Mechanical Properties of Ultra-High Hydraulic Support. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 17-28

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60	Suryani, E.; Hendrawan, R. A.; Adipraja, P. F. E. & Indraswari, R.	System Dynamics Simulation Model for Urban Transportation Planning: a Case Study	Model, System Dynamics, Urban Transportation Planning, Mobility, Congestion	19, 1, 5-16	10.2507/IJSIMM19-1-493	Suryani E., Hendrawan R. A., Adipraja P. F. E., Indraswari R. (2020). System Dynamics Simulation Model for Urban Transportation Planning: a Case Study. *Int. Journal of Simulation Modelling*, Vol. 19, No. 1, p. 5-16
1	Tang, Z. P.; Chen, Z. X.; Sun, J. P.; Hu, Y. T. & Zhao, M.	Noise Prediction of Traction Gear in High-Speed Electric Multiple Unit	Traction Gear of EMU, Dynamic Characteristics, Acoustic BEM, Noise Prediction	18, 4, 720-731	10.2507/IJSIMM18(4)CO20	Tang Z. P., Chen Z. X., Sun J. P., Hu Y. T., Zhao M. (2019). Noise Prediction of Traction Gear in High-Speed Electric Multiple Unit. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 720-731
2	Min, J. N.; Jin, C. & Lu, L. J.	Split-Delivery Vehicle Routing Problems Based on a Multi-Restart Improved Sweep Approach	Fine-Tuning, Multi-Restart Improved Sweep Algorithm, Tabu Search, VRP	18, 4, 708-719	10.2507/IJSIMM18(4)CO19	Min J. N., Jin C., Lu L. J. (2019). Split-Delivery Vehicle Routing Problems Based on a Multi-Restart Improved Sweep Approach. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 708-719
3	Zhang, Z.; Guan, Z. L.; Zhang, J. & Xie, X.	A Novel Job-Shop Scheduling Strategy Based on Particle Swarm Optimization and Neural Network	Job-Shop Scheduling Problem (JSP), Particle Swarm Optimization (PSO), Neural Network (NN), Maximum Makespan	18, 4, 699-707	10.2507/IJSIMM18(4)CO18	Zhang Z., Guan Z. L., Zhang J., Xie X. (2019). A Novel Job-Shop Scheduling Strategy Based on Particle Swarm Optimization and Neural Network. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 699-707
4	Yang, M. S.; Ba, L.; Xu, E. B.; Li, Y.; Gao, X. Q.; Liu, Y. & Li, Y.	Batch Optimization in Integrated Scheduling of Machining and Assembly	Integration of Machining and Assembling, Equal-Batch Splitting, Genetic Algorithm (GA), Batch Production	18, 4, 689-698	10.2507/IJSIMM18(4)CO17	Yang M. S., Ba L., Xu E. B., Li Y., Gao X. Q., Liu Y., Li Y. (2019). Batch Optimization in Integrated Scheduling of Machining and Assembly. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 689-698
5	Xu, L. Z.; Xie, Q. S.; Yuan, Q. N. & Huang, H. S.	An Intelligent Optimization Algorithm for Blocking Flow-Shop Scheduling Based on Differential Evolution	Blocking Flow-Shop Scheduling Problem (BFSP), Differential Evolution (DE), Intelligent Optimization Algorithm, Gravitational Search Algorithm (GSA)	18, 4, 678-688	10.2507/IJSIMM18(4)CO16	Xu L. Z., Xie Q. S., Yuan Q. N., Huang H. S. (2019). An Intelligent Optimization Algorithm for Blocking Flow-Shop Scheduling Based on Differential Evolution. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 678-688
6	Diaz Cazanas, R.; Delgado Sobrino, D. R.; Caganova, D.; Kostal, P. & Velisek, K.	Joint Programming of Production-Maintenance Tasks: a Simulated Annealing-Based Method	Production and Maintenance Programming, Preventive Maintenance, Heuristic Method, Longest Processing Time Rule, Pseudo-Code, SA	18, 4, 666-677	10.2507/IJSIMM18(4)503	Diaz Cazanas R., Delgado Sobrino D. R., Caganova D., Kostal P., Velisek K. (2019). Joint Programming of Production-Maintenance Tasks: a Simulated Annealing-Based Method. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 666-677
7	Fragapane, G. I.; Zhang, C.; Sgarbossa, F. & Strandhagen, J. O.	An Agent-Based Simulation Approach to Model Hospital Logistics	Logistics, Hospital Logistics, Automated Guided Vehicle, Agent-Based Simulation, Performance Analysis	18, 4, 654-665	10.2507/IJSIMM18(4)497	Fragapane G. I., Zhang C., Sgarbossa F., Strandhagen J. O. (2019). An Agent-Based Simulation Approach to Model Hospital Logistics. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 654-665
8	Gao, Y.; Xu, C.; Yang, L. & Wang, B.	Simulation Study on the Formation of PLGA Micro-Structure Using Hot-Pressing Method	Visco-Elastic Property, PLGA Micro-Structure, Hot-Pressing Method, Process Parameters	18, 4, 643-653	10.2507/IJSIMM18(4)496	Gao Y., Xu C., Yang L., Wang B. (2019). Simulation Study on the Formation of PLGA Micro-Structure Using Hot-Pressing Method. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 643-653
9	Sterpin Valic, G.; Cukor, G., Jurkovic, Z. & Brezocnik, M.	Multi-Criteria Optimization of Turning of Martensitic Stainless Steel for Sustainability	Turning, Martensitic Stainless Steel, Sustainability, Multi-Criteria Optimization, Entropy Weighted Grey Relational Analysis, Taguchi Method	18, 4, 632-642	10.2507/IJSIMM18(4)495	Sterpin Valic G., Cukor G., Jurkovic Z., Brezocnik M. (2019). Multi-Criteria Optimization of Turning of Martensitic Stainless Steel for Sustainability. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 632-642
10	Zhang, J. W.; Wu, J. Q.; Chen, W. R.; Guan, J. F.; Zhong, Y. & Xu, K. J.	Simulation Method for Dropper Dynamic Load Considering Horizontal Vibration Behaviour	High-Speed Railway, Catenary, Dropper, Horizontal Vibration, Simulation Model	18, 4, 620-631	10.2507/IJSIMM18(4)492	Zhang J. W., Wu J. Q., Chen W. R., Guan J. F., Zhong Y., Xu K. J. (2019). Simulation Method for Dropper Dynamic Load Considering Horizontal Vibration Behaviour. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 620-631
11	Kim, B. S. & Kim, T. G.	Cooperation of Simulation and Data Model for Performance Analysis of Complex Systems	Cooperative Model Development, Data Modelling, Simulation Modelling, Artificial Neural Network, Discrete Event Systems Specification, Hadoop	18, 4, 608-619	10.2507/IJSIMM18(4)491	Kim B. S., Kim T. G. (2019). Cooperation of Simulation and Data Model for Performance Analysis of Complex Systems. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 608-619
12	Bebic, D.; Stazic, L. & Komar, I.	Ships Shore Service Optimization Using the Queueing Theory	Queueing Process, Arrival Rate, Service Time, Service Team, System Utilization, Maintenance, Costs	18, 4, 596-607	10.2507/IJSIMM18(4)488	Bebic D., Stazic L., Komar I. (2019). Ships Shore Service Optimization Using the Queueing Theory. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 596-607
13	Macyszyn, L.; Jedryczka, C. & Staniek, R.	Design and Finite Element Analysis of Novel Two-Stage Magnetic Precession Gear	Magnetic Gear, Magnetic Flux, Transmitted Torque Analysis, Precession Gear	18, 4, 586-595	10.2507/IJSIMM18(4)487	Macyszyn L., Jedryczka C., Staniek R. (2019). Design and Finite Element Analysis of Novel Two-Stage Magnetic Precession Gear. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 586-595
14	Gocken, T. & Yaktubay, M.	Comparison of Different Clustering Algorithms via Genetic Algorithm for VRPTW	Vehicle Routing with Time Windows, Genetic Algorithm, Clustering, Multi-Objective Optimization, K-means Clustering Algorithm	18, 4, 574-585	10.2507/IJSIMM18(4)485	Gocken T., Yaktubay M. (2019). Comparison of Different Clustering Algorithms via Genetic Algorithm for VRPTW. *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 574-585
15	Sremcev, N.; Stevanov, B.; Lazarevic, M.; Mandic, J.; Tesic, Z. & Kuzmanovic, B.	Improving Process of Quotation Creation through Value Stream Mapping and Simulation	Value Stream Mapping (VSM), Lean Concept, Product Configuration System, Process Improvement, Simulation	18, 4, 563-573	10.2507/IJSIMM18(4)484	Sremcev N., Stevanov B., Lazarevic M., Mandic J., Tesic Z., Kuzmanovic B. (2019). Improving Process of Quotation Creation through Value Stream Mapping and Simulation, *Int. Journal of Simulation Modelling*, Vol. 18, No. 4, p. 563-573
16	Wan, Q.; Zheng, M. L.; Yang, S. C. & Sun, J. K.	Optimization of Micro-Texture Distribution through Finite-Element Simulation	Micro-Texture, Finite-Element Method (FEM), Micro-Round-Pit (MRP), Wear Resistance, Friction Performance	18, 3, 543-554	10.2507/IJSIMM18(3)CO15	Wan Q., Zheng M. L., Yang S. C., Sun J. K. (2019). Optimization of Micro-Texture Distribution through Finite-Element Simulation. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 543-554
17	Fan, W. G.; Hou, G. Y.; Wang, W. X.; Zhang, X. L. & Wang, J. D.	Design and Dynamic Analysis of a New Rail Grinding Device Using Closed Abrasive Belt	Rail Grinding, Abrasive Belt, Device Design, Dynamic Analysis	18, 3, 531-542	10.2507/IJSIMM18(3)CO14	Fan W. G., Hou G. Y., Wang W. X., Zhang X. L., Wang J. D. (2019). Design and Dynamic Analysis of a New Rail Grinding Device Using Closed Abrasive Belt. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 531-542
18	Zhu, J.; Shao, Z. H. & Chen, C.	An Improved Whale Optimization Algorithm for Job-Shop Scheduling Based on Quantum Computing	Job-Shop Scheduling Problem (JSP), Swarm Intelligence, Quantum Computing, Whale Optimization Algorithm, Global Convergence	18, 3, 521-530	10.2507/IJSIMM18(3)CO13	Zhu J., Shao Z. H., Chen C. (2019). An Improved Whale Optimization Algorithm for Job-Shop Scheduling Based on Quantum Computing. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 521-530

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19	Fu, H. C. & Liu, P.	A Multi-Objective Optimization Model Based on Non-Dominated Sorting Genetic Algorithm	Job-Shop Scheduling Problem (JSP), Genetic Algorithm (GA), Non-Dominated Sorting Genetic Algorithm (NSGA), Multi-Objective Scheduling	18, 3, 510-520	10.2507/IJSIMM18(3)CO12	Fu H. C., Liu P. (2019). A Multi-Objective Optimization Model Based on Non-Dominated Sorting Genetic Algorithm. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 510-520
20	Pei, J. Y. & Shan, P.	A Multi-Objective Hybrid Differential Optimization Algorithm for Flow-Shop Scheduling Problem	Flow-Shop Scheduling Problem (FSP), Multi-Objective Optimization, Hybrid Differential Evolution, Genetic Algorithms (GA)	18, 3, 500-509	10.2507/IJSIMM18(3)CO11	Pei J. Y., Shan P. (2019). A Multi-Objective Hybrid Differential Optimization Algorithm for Flow-Shop Scheduling Problem. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 500-509
21	Gajsek, B.; Marolt, J.; Rupnik, B.; Lerher, T. & Sternad, M.	Using Maturity Model and Discrete-Event Simulation for Industry 4.0 Implementation	Industry 4.0, Maturity Model, Steel Production, Discrete Event Simulation, Performance Analysis	18, 3, 488-499	10.2507/IJSIMM18(3)489	Gajsek B., Marolt J., Rupnik B., Lerher T., Sternad M. (2019). Using Maturity Model and Discrete-Event Simulation for Industry 4.0 Implementation. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 488-499
22	Zeng, J.; Yao, Q. G.; Zhang, Y. S.; Lu, J. T. & Wang, M.	Optimal Path Selection for Emergency Relief Supplies after Mine Disasters	Path Selection, Emergency Relief, Material Transport, Path-Weight	18, 3, 476-487	10.2507/IJSIMM18(3)486	Zeng J., Yao Q. G., Zhang Y. S., Lu J. T., Wang M. (2019). Optimal Path Selection for Emergency Relief Supplies after Mine Disasters. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 476-487
23	Yan, H.; Wang, Y. R.; Shi, H. X.; Li, Q.; Zeng, Y. S. & Jaini, R.	Solid-Liquid Flow of Axial Flow Pump in Loop Reactor and Operating Control with Single Invert	Axial Flow Pump, Solid-Liquid Flow, Axial Power Fluctuation, Operating Control with Single Invert	18, 3, 464-475	10.2507/IJSIMM18(3)483	Yan H., Wang Y. R., Shi H. X., Li Q., Zeng Y. S., Jaini R. (2019). Solid-Liquid Flow of Axial Flow Pump in Loop Reactor and Operating Control with Single Invert. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 464-475
24	Glamsch, J.; Deese, K. & Rieg, F.	Methods for Increased Efficiency of FEM-Based Topology Optimization	Structural Optimization, Topology Optimization, Computational Effort, Finite Element Method	18, 3, 453-463	10.2507/IJSIMM18(3)482	Glamsch J., Deese K., Rieg F. (2019). Methods for Increased Efficiency of FEM-Based Topology Optimization. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 453-463
25	Dupljanin, D.; Mirkovic, M.; Dumnic, S.; Culibrk, D.; Milisavljevic, S. & Sarac, D.	Urban Crowdsourced Last Mile Delivery: Mode of Transport Effects on Fleet Performance	Logistics, Urban Delivery, Last Mile Delivery, Crowdsourcing, Simulation Modelling, Performance Analysis	18, 3, 441-452	10.2507/IJSIMM18(3)481	Dupljanin D., Mirkovic M., Dumnic S., Culibrk D., Milisavljevic S., Sarac D. (2019). Urban Crowdsourced Last Mile Delivery: Mode of Transport Effects on Fleet Performance. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 441-452
26	Stanislawek, S.; Dziewulski, P. & Kedzierski, P.	Deterioration of Road Barrier Protection Ability Due to Variable Road Friction	Friction, Road Barrier, Crash Test, Numerical Modelling, Finite Element Method	18, 3, 432-440	10.2507/IJSIMM18(3)480	Stanislawek S., Dziewulski P., Kedzierski P. (2019). Deterioration of Road Barrier Protection Ability Due to Variable Road Friction. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 432-440
27	Alcaraz-Mejia, M. & Campos-Rodriguez, R.	A Framework Based on Matlab/Simulink for the Simulation of DES Using Petri Net Models	Petri Net Models, Discrete-Event Systems, Matlab, Simulink, SimEvents, Discrete-Event Simulation, Hybrid Simulation	18, 3, 420-431	10.2507/IJSIMM18(3)479	Alcaraz-Mejia M., Campos-Rodriguez R. (2019). A Framework Based on Matlab/Simulink for the Simulation of DES Using Petri Net Models. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 420-431
28	Straka, M.; Hurna, S.; Bozogan, M. & Spirkova, D.	Using Continuous Simulation for Identifying Bottlenecks in Specific Operation	Continuous Simulation, Bottlenecks, EXTENDSIM, Service, System	18, 3, 408-419	10.2507/IJSIMM18(3)477	Straka M., Hurna S., Bozogan M., Spirkova D. (2019). Using Continuous Simulation for Identifying Bottlenecks in Specific Operation. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 408-419
29	Muthukumaran, S. & Sivaramakrishnan, R.	Optimal Path Planning for an Autonomous Mobile Robot Using Dragonfly Algorithm	Mobile Robot Navigation, Dragonfly Algorithm, Autonomous Robot, Optimization	18, 3, 397-407	10.2507/IJSIMM18(3)474	Muthukumaran S., Sivaramakrishnan R. (2019). Optimal Path Planning for an Autonomous Mobile Robot Using Dragonfly Algorithm. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 397-407
30	Mali, P.; Kuzmanovic, B.; Nikolic, M.; Mitic, S. & Terek, E.	Model of Leadership and Entrepreneurial Intentions among Employed Persons	Leadership, LMX, Ethical Leadership, Entrepreneurial Intentions, Model	18, 3, 385-396	10.2507/IJSIMM18(3)471	Mali P., Kuzmanovic B., Nikolic M., Mitic S., Terek E. (2019). Model of Leadership and Entrepreneurial Intentions among Employed Persons. *Int. Journal of Simulation Modelling*, Vol. 18, No. 3, p. 385-396
31	Yang, S. L.; Xu, Z. G. & Wang, J. Y.	Modelling and Production Configuration Optimization for an Assembly Shop	Production Performance, Production Configuration, Logistics Simulation Modelling, Plant Simulation, Layout Optimization, Production Process Optimiz.	18, 2, 366-377	10.2507/IJSIMM18(2)CO10	Yang S. L., Xu Z. G., Wang J. Y. (2019). Modelling and Production Configuration Optimization for an Assembly Shop. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 366-377
32	Zhao, P. X.; Gao, W. Q.; Han, X. & Luo, W. H.	Bi-Objective Collaborative Scheduling Optimization of Airport Ferry Vehicle and Tractor	Flight Ground Support, Vehicle Scheduling, Bi-Objective Programming, Particle Swarm Optimization	18, 2, 355-365	10.2507/IJSIMM18(2)CO9	Zhao P. X., Gao W. Q., Han X., Luo W. H. (2019). Bi-Objective Collaborative Scheduling Optimization of Airport Ferry Vehicle and Tractor. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 355-365
33	Zhang, H. P.	Optimization of Remanufacturing Production Scheduling Considering Uncertain Factors	Uncertain Factors, Remanufacturing, Production Scheduling, Optimization, Simulation	18, 2, 344-354	10.2507/IJSIMM18(2)CO8	Zhang H. P. (2019). Optimization of Remanufacturing Production Scheduling Considering Uncertain Factors. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 344-354
34	Wang, Y.; Yang, O. & Wang, S. N.	A Solution to Single-Machine Inverse Job-Shop Scheduling Problem	Inverse Scheduling, Genetic Algorithm, Particle Swarm Optimization (PSO), Job-Shop Scheduling Problem (JSP), Discrete Event Simulation (DES)	18, 2, 335-343	10.2507/IJSIMM18(2)CO7	Wang Y., Yang O., Wang S. N. (2019). A Solution to Single-Machine Inverse Job-Shop Scheduling Problem. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 335-343
35	Xu, S. Z.	A Petri Net-Based Hybrid Heuristic Scheduling Algorithm for Flexible Manufacturing System	Flexible Manufacturing Systems (FMS), Petri Net (PN), Heuristic Scheduling, Discrete Event System (DES)	18, 2, 325-334	10.2507/IJSIMM18(2)CO6	Xu S. Z. (2019). A Petri Net-Based Hybrid Heuristic Scheduling Algorithm for Flexible Manufacturing System. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 325-334
36	Song, R. J.; Hou, C. W.; Shi, Z. C.; Yang, X. H.; Jiang, S. B. & Jia, J. D.	Numerical Simulation for Energy Harvesting of Piezoelectric Flag in Uniform Flow	Numerical Simulation, Piezoelectric Flag, Energy Harvesting, Flow	18, 2, 314-324	10.2507/IJSIMM18(2)478	Song R. J., Hou C. W., Shi Z. C., Yang X. H., Jiang S. B., Jia J. D. (2019). Numerical Simulation for Energy Harvesting of Piezoelectric Flag in Uniform Flow. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 314-324
37	Bhanot, V.; Dhumane, R.; Petagna, P.; Cioncolini, A.; Iacovides, H.; Ling, J. & Aute, V.	Development of a Numerical Tool for Dynamic Simulations of Two-Phase Cooling Systems	EcosimPro, High Energy Physics, Dynamic Simulations, Two-Phase Flow, Cooling System, Heat Pump	18, 2, 302-313	10.2507/IJSIMM18(2)476	Bhanot V., Dhumane R., Petagna P., Cioncolini A., Iacovides H., Ling J., Aute V. (2019). Development of a Numerical Tool for Dynamic Simulations of Two-Phase Cooling Systems. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 302-313

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38	Cheng, L. Z.; Liu, D. K.; Wang, Y. & Chen, A. Q.	Load Distribution and Contact of Axle Box Bearings in Electric Multiple Units	Axle Box of EMU, Double-Row Tapered Roller Bearing, Load Distribution, Contact Stress	18, 2, 290-301	10.2507/IJSIMM18(2)475	Cheng L. Z., Liu D. K., Wang Y., Chen A. Q. (2019). Load Distribution and Contact of Axle Box Bearings in Electric Multiple Units. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 290-301
39	Bardzinski, P. J.; Krol, R. & Jurdziak, L.	Empirical Model of Discretized Copper Ore Flow Within the Underground Mine Transport System	Ore Flow, Transport System, Quality Management, Ore Lithology, Metal Yield, Empirical Model	18, 2, 279-289	10.2507/IJSIMM18(2)473	Bardzinski P. J., Krol R., Jurdziak L. (2019). Empirical Model of Discretized Copper Ore Flow Within the Underground Mine Transport System. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 279-289
40	Edler, J.; Tic, V. & Lovrec, D.	1-D Simulation Model of a Progressive Flow Controller for Hydrostatic Bearings	Hydraulic, Hydrostatic Bearing, Flow Control, Simulation	18, 2, 267-278	10.2507/IJSIMM18(2)472	Edler J., Tic V., Lovrec D. (2019). 1-D Simulation Model of a Progressive Flow Controller for Hydrostatic Bearings. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 267-278
41	Gocken, T.; Dosdogru, A. T.; Boru, A. & Gocken, M.	Integrating Process Plan and Part Routing Using Optimization via Simulation Approach	Dynamic Stochastic Flexible Job-Shop Scheduling, Process Plan, Part Routing, Optimization via Simulation	18, 2, 254-266	10.2507/IJSIMM18(2)470	Gocken T., Dosdogru A. T., Boru A., Gocken M. (2019). Integrating Process Plan and Part Routing Using Optimization via Simulation Approach. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 254-266
42	Janekova, J.; Fabianova, J. & Fabian, M.	Assessment of Economic Efficiency and Risk of the Project Using Simulation	Project Management, Post-Audit, Risk Analysis, Monte Carlo Simulation	18, 2, 242-253	10.2507/IJSIMM18(2)467	Janekova J., Fabianova J., Fabian M. (2019). Assessment of Economic Efficiency and Risk of the Project Using Simulation. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 242-253
43	Sotelo, D.; Favela-Contreras, A.; Lozoya, C.; Beltran-Carbajal, F.; Dieck-Assad, G. & Sotelo, C.	Dynamic Simulation of a Crude Oil Distillation Plant Using Aspen-HYSYS®	Crude Oil Distillation Plant, Modelling, Simulation, Aspen HYSYS®	18, 2, 229-241	10.2507/IJSIMM18(2)465	Sotelo D., Favela-Contreras A., Lozoya C., Beltran-Carbajal F., Dieck-Assad G., Sotelo C. (2019). Dynamic Simulation of a Crude Oil Distillation Plant Using Aspen-HYSYS®. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 229-241
44	Gomboc, T.; Zadravec, M.; Ilijaz, J.; Sagadin, G. & Hribersek, M.	Numerical Model of Three Stage Spray Drying for Zeolite 4A – Water Suspensions Coupled with a CFD Flow Field	Heat and Mass Transfer, Spray Drying, Multistage Drying, Particle Transport, Zeolite 4A, Computational Fluid Dynamics	18, 2, 217-228	10.2507/IJSIMM18(2)462	Gomboc T., Zadravec M., Ilijaz J., Sagadin G., Hribersek M. (2019). Numerical Model of Three Stage Spray Drying for Zeolite 4A – Water Suspensions Coupled with a CFD Flow Field. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 217-228
45	Sousa Junior, W. T. de; Montevechi, J. A. B.; Miranda, R. de C.; Rocha, F. & Vilela, F. F.	Economic Lot-Size Using Machine Learning, Parallelism, Metaheuristic and Simulation	Optimisation, Economic Lot-Size, Machine Learning, Parallelism, Metaheuristic, Discrete Event Simulation	18, 2, 205-216	10.2507/IJSIMM18(2)461	Sousa Junior W. T. de, Montevechi J. A. B., Miranda R. de C., Rocha F., Vilela F. F. (2019). Economic Lot-Size Using Machine Learning, Parallelism, Metaheuristic and Simulation. *Int. Journal of Simulation Modelling*, Vol. 18, No. 2, p. 205-216
46	Liao, J. & Lin, C.	Optimization and Simulation of Job-Shop Supply Chain Scheduling in Manufacturing Enterprises Based on Particle Swarm Optimization	Job-Shop, Supply Chain, Job-Shop Scheduling, Particle Swarm Optimization (PSO), System Simulation	18, 1, 187-196	10.2507/IJSIMM18(1)CO5	Liao J., Lin C. (2019). Optimization and Simulation of Job-Shop Supply Chain Scheduling in Manufacturing Enterprises Based on Particle Swarm Optimization. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 187-196
47	Yang, M. S.; Ba, L.; Liu, Y.; Zheng, H. Y.; Yan, J. T.; Gao, X. Q. & Xiao, J. M.	An Improved Genetic Simulated Annealing Algorithm for Stochastic Two-Sided Assembly Line Balancing Problem	Stochastic Two-Sided Assembly Line Balance Problem, Improved Genetic Simulated Annealing Algorithm, Makespan, Assembly Job, Previous Job	18, 1, 175-186	10.2507/IJSIMM18(1)CO4	Yang M. S., Ba L., Liu Y., Zheng H. Y., Yan J. T., Gao X. Q., Xiao J. M. (2019). An Improved Genetic Simulated Annealing Algorithm for Stochastic Two-Sided Assembly Line Balancing Problem. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 175-186
48	Jiang, H. & Liu, C. Y.	Scheduling Optimization of Cloud Resource Supply Chain through Multi-Objective Particle Swarm Optimization	Cloud Manufacturing, Supply Chain, Multi-Objective Particle Swarm Optimization, Fuzzy Correlation Entropy, Discrete Event Simulation	18, 1, 163-174	10.2507/IJSIMM18(1)CO3	Jiang H., Liu C. Y. (2019). Scheduling Optimization of Cloud Resource Supply Chain through Multi-Objective Particle Swarm Optimization. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 163-174
49	Tian, H.; Ma, L.; Zhu, X. & Dang, X.	Grinding Method, Trajectory Planning and Simulation of a 3 DOF Knee Grinding Robot	Knee Grinding Robot, Kinematics, Workspace, Grinding Method, Trajectory Planning	18, 1, 150-162	10.2507/IJSIMM18(1)CO2	Tian H., Ma L., Zhu X., Dang X. (2019). Grinding Method, Trajectory Planning and Simulation of a 3 DOF Knee Grinding Robot. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 150-162
50	Wang, J. F.; Fei, Z. C.; Chang, Q.; Fu, Y. & Li, S. Q.	Energy-Saving Operation of Multistage Stochastic Manufacturing Systems Based on Fuzzy Logic	Energy-Saving Operation, Fuzzy Logic, Multistage Manufacturing System	18, 1, 138-149	10.2507/IJSIMM18(1)CO1	Wang J. F., Fei Z. C., Chang Q., Fu Y., Li S. Q. (2019). Energy-Saving Operation of Multistage Stochastic Manufacturing Systems Based on Fuzzy Logic. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 138-149
51	Zivanic, D.; Zelic, A.; Lalic, B.; Simeunovic, N. & Szabo, L.	Improving the Order Picking Efficiency by Optimising the Orders' Sequence	Order Picking, Simulation, Logistics, Order Execution, Picking Time	18, 1, 125-137	10.2507/IJSIMM18(1)469	Zivanic D., Zelic A., Lalic B., Simeunovic N., Szabo L. (2019). Improving the Order Picking Efficiency by Optimising the Orders' Sequence. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 125-137
52	Zuperl, U. & Cus, F.	A Cyber-Physical System for Smart Fixture Monitoring via Clamping Simulation	End Milling, Fixture Condition, Smart Monitoring, On-Line Simulation, Optimization, Clamping/Locating Forces	18, 1, 112-124	10.2507/IJSIMM18(1)468	Zuperl U., Cus F. (2019). A Cyber-Physical System for Smart Fixture Monitoring via Clamping Simulation. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 112-124
53	Zeng, X. T.; Meng, G. Y. & Zheng, K.	Force Transmission Analysis of Sliding Block-Type Hydraulic Support under Impact Loads	Impact Load, Sliding Block, Hinge Joint Force, Friction Coefficient, Hydraulic Support	18, 1, 100-111	10.2507/IJSIMM18(1)466	Zeng X. T., Meng G. Y., Zheng K. (2019). Force Transmission Analysis of Sliding Block-Type Hydraulic Support under Impact Loads. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 100-111
54	Liu, S. S.; Liu, J. & Wei, W.	Simulation of Crowd Evacuation Behaviour in Outdoor Public Places – a Model Based on Shanghai Stampede	Outdoor Public Places, Crowd Evacuation Effects, Pathfinder, Shanghai Stampede	18, 1, 86-99	10.2507/IJSIMM18(1)464	Liu S. S., Liu J., Wei W. (2019). Simulation of Crowd Evacuation Behaviour in Outdoor Public Places – a Model Based on Shanghai Stampede. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 86-99
55	Vukelic, D.; Agarski, B.; Budak, I.; Simunovic, G.; Buchmeister, B.; Jakovljevic, Z. & Tadic, B.	Eco-Design of Fixtures Based on Life Cycle and Cost Assessment	Eco-Design, Eco-Efficiency, Fixtures, Life Cycle Assessment	18, 1, 72-85	10.2507/IJSIMM18(1)463	Vukelic D., Agarski B., Budak I., Simunovic G., Buchmeister B., Jakovljevic Z., Tadic B. (2019). Eco-Design of Fixtures Based on Life Cycle and Cost Assessment. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 72-85
56	Gajic, D. B.; Mihic, S.; Dragan, D.; Petrovic, V. & Anisic, Z.	Simulation of Photogrammetry-Based 3D Data Acquisition	Simulation Software, 3D Data Acquisition, Photogrammetry, Human Body Scanning, Avatars	18, 1, 59-71	10.2507/IJSIMM18(1)460	Gajic D. B., Mihic S., Dragan D., Petrovic V., Anisic Z. (2019). Simulation of Photogrammetry-Based 3D Data Acquisition. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 59-71

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57	Vrecko, I.; Kovac, J.; Rupnik, B. & Gajsek, B.	Using Queuing Simulation Model in Production Process Innovations	Production Process, Assembly, Optimisation, Innovations, Discrete Event Simulation Model	18, 1, 47-58	10.2507/IJSIMM18(1)458	Vrecko I., Kovac J., Rupnik B., Gajsek B. (2019). Using Queuing Simulation Model in Production Process Innovations. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 47-58
58	Oueida, S.; Kotb, Y.; Ionescu, S. & Militaru, G.	AMS: A New Platform for System Design and Simulation	Optimization, Petri Nets, Programming Language, Satisfaction Factors, Simulation	18,1, 33-46	10.2507/IJSIMM18(1)456	Oueida S., Kotb Y., Ionescu S., Militaru G. (2019). AMS: A New Platform for System Design and Simulation. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 33-46
59	Trebuna, P.; Pekarcikova, M. & Edl, M.	Digital Value Stream Mapping Using the Tecnomatix Plant Simulation Software	Value Stream Mapping, Simulation Software, Discrete Event Simulation, Value Added	18, 1, 19-32	10.2507/IJSIMM18(1)455	Trebuna P., Pekarcikova M., Edl M. (2019). Digital Value Stream Mapping Using the Tecnomatix Plant Simulation Software. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 19-32
60	Uzun Araz, O.; Eski, O. & Araz, C.	A Reactive Scheduling Approach Based on Fuzzy Inference for Hybrid Flowshop Systems	Hybrid Flowshop, Real-Time Scheduling, Fuzzy Inference System, Simulation	18, 1, 5-18	10.2507/IJSIMM18(1)448	Uzun Araz O., Eski O., Araz C. (2019). A Reactive Scheduling Approach Based on Fuzzy Inference for Hybrid Flowshop Systems. *Int. Journal of Simulation Modelling*, Vol. 18, No. 1, p. 5-18