

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
1	He, P.	Optimization and Simulation of Remanufacturing Production Scheduling under Uncertainties	Uncertainties, Remanufacturing, Production Scheduling, Optimization, Simulation	17, 4, 734-743	10.2507/IJSIMM17(4)CO20	He P. (2018). Optimization and Simulation of Remanufacturing Production Scheduling under Uncertainties. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 734-743
2	Yang, X. P. & Gao, X. L.	Optimization of Dynamic and Multi-Objective Flexible Job-Shop Scheduling Based on Parallel Hybrid Algorithm	Production Scheduling, Multi-Objective Scheduling, Parallel Hybrid Algorithm, Multiple Disturbances, Optimization, Simulation	17, 4, 724-733	10.2507/IJSIMM17(4)CO19	Yang X. P., Gao, X. L. (2018). Optimization of Dynamic and Multi-Objective Flexible Job-Shop Scheduling Based on Parallel Hybrid Algorithm. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 724-733
3	Seng, D. W.; Li, J. W.; Fang, X. J.; Zhang, X. F. & Chen, J.	Low-Carbon Flexible Job-Shop Scheduling Based on Improved Nondominated Sorting Genetic Algorithm-II	Flexible Job-Shop Scheduling Problem (FJSP), Nondominated Sorting Genetic Algorithm-II (NSGA-II), Low-Carbon Scheduling	17, 4, 712-723	10.2507/IJSIMM17(4)CO18	Seng D. W., Li J. W., Fang X. J., Zhang X. F., Chen, J. (2018). Low-Carbon Flexible Job-Shop Scheduling Based on Improved Nondominated Sorting Genetic Algorithm-II. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 712-723
4	Chen, W. & Hao, Y. F.	Genetic Algorithm-Based Design and Simulation of Manufacturing Flow Shop Scheduling	Non-Dominated Sorting Genetic Algorithm (NSGA), Manufacturing Enterprises, Non-Compact Flow Shop, Multi-Objective Job Shop Scheduling	17, 4, 702-711	10.2507/IJSIMM17(4)CO17	Chen W., Hao Y. F. (2018). Genetic Algorithm-Based Design and Simulation of Manufacturing Flow Shop Scheduling. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 702-711
5	Xue, P.; Jiang, C. H.; Wei, W. & Lin, J.	Optimization of the Intelligent Workshop Control Based on the Improved Group Leadership Optimization Algorithm	Intelligent Workshop, Optimization of Scheduling Control, Group Leadership Optimization Algorithm, Penalty Function	17, 4, 690-701	10.2507/IJSIMM17(4)CO16	Xue P., Jiang C. H., Wei W., Lin J. (2018). Optimization of the Intelligent Workshop Control Based on the Improved Group Leadership Optimization Algorithm. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 690-701
6	Huang, X.-Q.; Tang, X.-T. & Chen, L.	Simulation for Trajectory Tracking of Multi-Flexible-Link Space Robot with Deadzone	Multi-Flexible-Link Space Robot, Deadzone, Trajectory Tracking, Flexible Vibration Suppression	17, 4, 677-689	10.2507/IJSIMM17(4)459	Huang X.-Q., Tang X.-T., Chen L. (2018). Simulation for Trajectory Tracking of Multi-Flexible-Link Space Robot with Deadzone. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 677-689
7	Kovacic, M. & Brezocnik, M.	Reduction of Surface Defects and Optimization of Continuous Casting of 70MnVS4 Steel	Steel, Continuous Casting, Surface Defects, Casting Parameters, Modelling and Optimization, Genetic Programming	17, 4, 667-676	10.2507/IJSIMM17(4)457	Kovacic M., Brezocnik M. (2018). Reduction of Surface Defects and Optimization of Continuous Casting of 70MnVS4 Steel. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 667-676
8	Billenstein, D.; Dinkel, C. & Rieg, F.	Automated Topological Clustering of Design Proposals in Structural Optimisation	Evaluation Tool, Topological Clustering, Design Automation, Simulation Based Design	17, 4, 657-666	10.2507/IJSIMM17(4)454	Billenstein D., Dinkel C., Rieg F. (2018). Automated Topological Clustering of Design Proposals in Structural Optimisation. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 657-666
9	Gao, K. D.; Xu, W. B.; Zhang, X. & Wang, G.	Analysis of Spiral Aggregate Device on the Sump Cleaning Machine by Discrete Element Method	Discrete Element Method, Sump Cleaning Machine, Spiral Aggregate, Conveyor	17, 4, 643-656	10.2507/IJSIMM17(4)453	Gao K. D., Xu W. B., Zhang X., Wang G. (2018). Analysis of Spiral Aggregate Device on the Sump Cleaning Machine by Discrete Element Method. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 643-656
10	Takakuwa, S.; Yang, W. & Nagatsuka, H.	Learning the Procedure on Takt Production of TPS by Methods Engineering and Simulation	Simulation Education, Takt Production, Toyota Production System (TPS), Work Measurement Technique	17, 4, 633-642	10.2507/IJSIMM17(4)452	Takakuwa S., Yang W., Nagatsuka H. (2018). Learning the Procedure on Takt Production of TPS by Methods Engineering and Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 633-642
11	Anh, N. T.; Anh, N. H. & Dat, N. T.	Development of a Framework for Ballistic Simulation	Trajectory, Non-linear Dynamics, Ballistic Simulation, Environment Effect, Multi-Fidelity Analysis, Flight Simulation	17, 4, 623-632	10.2507/IJSIMM17(4)451	Anh N. T., Anh N. H., Dat N. T. (2018). Development of a Framework for Ballistic Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 623-632
12	Duplakova, D.; Teliskova, M.; Duplak, J.; Torok, J.; Hatala, M.; Steranka, J. & Radchenko, S.	Determination of Optimal Production Process Using Scheduling and Simulation Software	Simulation Software, Scheduling Software, Time Efficiency, Economic Efficiency	17, 4, 609-622	10.2507/IJSIMM17(4)447	Duplakova D., Teliskova M., Duplak J., Torok J., Hatala M., Steranka J., Radchenko, S. (2018). Determination of Optimal Production Process Using Scheduling and Simulation Software. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 609-622
13	Bardzinski, P. J.; Walker, P.; Krol, R. & Kawalec, W.	Simulation of Random Tagged Ore Flow through the Bunker in a Belt Conveying System	Discrete Elements Method, FlexSim, Empirical Model, RFID, Ore Transport, Ore Bunker	17, 4, 597-608	10.2507/IJSIMM17(4)445	Bardzinski P. J.; Walker P.; Krol R., Kawalec W. (2018). Simulation of Random Tagged Ore Flow through the Bunker in a Belt Conveying System. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 597-608
14	Straka, M.; Khouri, S.; Rosova, A.; Caganova, D. & Culkova, K.	Utilization of Computer Simulation for Waste Separation Design as a Logistics System	Computer Simulation, EXTENDSIM, Waste Separation, Logistics, Design	17, 4, 583-596	10.2507/IJSIMM17(4)444	Straka M.; Khouri S., Rosova A., Caganova D., Culkova K. (2018). Utilization of Computer Simulation for Waste Separation Design as a Logistics System. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 583-596
15	Murillo-Marrodan, A.; Garcia, E. & Cortes, F.	A Study of Friction Model Performance in a Skew Rolling Process Numerical Simulation	Friction Model, Friction Law, Metal Forming, Skew Rolling Mill, Numerical Analysis	17, 4, 569-582	10.2507/IJSIMM17(4)441	Murillo-Marrodan A., Garcia E., Cortes F. (2018). A Study of Friction Model Performance in a Skew Rolling Process Numerical Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 4, p. 569-582
16	Yan, R.; Li, M. M. & Wei, W. C.	Integrated Production Scheduling and Distribution Planning with a Two-Stage Semi-Continuous Flow Shop Environment	Operational Integrated Production-Distribution Scheduling, Two-Stage Production Process, Semi-Flexible Flow Shop, Sequence Dependent Setup	17, 3, 553-561	10.2507/IJSIMM17(3)CO15	Yan R., Li M. M., Wei W. C. (2018). Integrated Production Scheduling and Distribution Planning with a Two-Stage Semi-Continuous Flow Shop Environment. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 553-561
17	Chen, Q.; Deng, L. F. & Wang, H. M.	Optimization of Multi-Task Job-Shop Scheduling Based on Uncertainty Theory Algorithm	Uncertainty Theory, Multi-Task Job-Shop Scheduling, Scheduling Optimization, Economic Effectiveness	17, 3, 543-552	10.2507/IJSIMM17(3)CO14	Chen Q., Deng L. F., Wang H. M. (2018). Optimization of Multi-Task Job-Shop Scheduling Based on Uncertainty Theory Algorithm. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 543-552
18	Zhang, H. P.; Ye, J. H.; Yang, X. P.; Muruve, N. W. & Wang, J. T.	Modified Binary Particle Swarm Optimization Algorithm in Lot-Splitting Scheduling Involving Multiple Techniques	Multi-Technique, Multi-Process Flexible Job-Shop Scheduling Problem, Modified Binary Particle Swarm Optimization Algorithm, Largescale Batch	17, 3, 534-542	10.2507/IJSIMM17(3)CO13	Zhang H. P., Ye J. H., Yang X. P., Muruve N. W., Wang J. T. (2018). Modified Binary Particle Swarm Optimization Algorithm in Lot-Splitting Scheduling Involving Multiple Techniques. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 534-542
19	Zeng, Q. L.; Wang, K. & Wan, L. R.	Modelling of Straight Bevel Gear Transmission and Simulation of Its Meshing Performance	Straight Bevel Gear, Gear Planning, Tooth Surface Equation, Parametric Modelling, Transient Meshing Analysis	17, 3, 521-533	10.2507/IJSIMM17(3)CO12	Zeng Q. L., Wang K., Wan L. R. (2018). Modelling of Straight Bevel Gear Transmission and Simulation of Its Meshing Performance. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 521-533

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
20	Lin, C. & Yang, B.	Simulation of Flow Line Scheduling of Production Enterprises Based on Improved Artificial Fish Swarm Algorithm	Flow Line Scheduling, Improved Artificial Fish Swarm Algorithm (IAFSA), Lean Production Mode	17, 3, 512-520	10.2507/IJSIMM17(3)CO11	Lin C., Yang B. (2018). Simulation of Flow Line Scheduling of Production Enterprises Based on Improved Artificial Fish Swarm Algorithm. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 512-520
21	Zhang, X.; Wang, T.; Jiang, S. B.; Xu, H. G.; Zhang, Y. N.	Modelling and Simulation of Pouch Lithium-Ion Battery Thermal Management Using Cold Plate	Modelling and Simulation, Lithium-Ion Battery, Thermal Management, Cold Plate, Mass Flow Rate	17, 3, 498-511	10.2507/IJSIMM17(3)449	Zhang X., Wang T., Jiang S. B., Xu H. G., Zhang Y. N. (2018). Modelling and Simulation of Pouch Lithium-Ion Battery Thermal Management Using Cold Plate. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 498-511
22	Burinskiene, A.; Lorenc, A. & Lerher, T.	A Simulation Study for the Sustainability and Reduction of Waste in Warehouse Logistics	Logistics, Warehousing, Discrete Event Simulation, Sustainability, Performance Analysis	17, 3, 485-497	10.2507/IJSIMM17(3)446	Burinskiene A., Lorenc A., Lerher T. (2018). A Simulation Study for the Sustainability and Reduction of Waste in Warehouse Logistics. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 485-497
23	Shi, H. X.; Chai, L. P.; Su, X. Z. & Jaini, R.	Performance Optimization of Energy Recovery Device Based on PAT with Guide Vane	Pump as Turbine (PAT), Impeller with Forward-Curved Blades, Numerical Simulation, Parameter Optimization	17, 3, 472-484	10.2507/IJSIMM17(3)443	Shi H. X., Chai L. P., Su X. Z., Jaini R. (2018). Performance Optimization of Energy Recovery Device Based on PAT with Guide Vane. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 472-484
24	Suligoj, F.; Jerbic, B.; Svaco, M. & Sekoranja, B.	Fully Automated Point-Based Robotic Neurosurgical Patient Registration Procedure	Biomedical Imaging, Medical Robotics, Iterative Algorithms, Iterative Closest Point Algorithm, RONNA	17, 3, 458-471	10.2507/IJSIMM17(3)442	Suligoj F., Jerbic B., Svaco M., Sekoranja B. (2018). Fully Automated Point-Based Robotic Neurosurgical Patient Registration Procedure. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 458-471
25	Fedorko, G.; Molnar, V.; Honus, S.; Neradilova, H. & Kampf, R.	The Application of Simulation Model of a Milk Run to Identify the Occurrence of Failures	AGV Simulation, Milk Run, Performance Efficiency, Delivery, Failures	17, 3, 444-457	10.2507/IJSIMM17(3)440	Fedorko G., Molnar V., Honus S., Neradilova H., Kampf R. (2018). The Application of Simulation Model of a Milk Run to Identify the Occurrence of Failures. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 444-457
26	Klodawski, M.; Jachimowski, R.; Jacyna-Golda, I. & Izdebski, M.	Simulation Analysis of Order Picking Efficiency with Congestion Situations	Warehousing, Order Picking, Congestion, Simulation, Performance Analysis	17, 3, 431-443	10.2507/IJSIMM17(3)438	Klodawski M., Jachimowski R., Jacyna-Golda I., Izdebski M. (2018). Simulation Analysis of Order Picking Efficiency with Congestion Situations. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 431-443
27	Horvat, D.; Wydra, S. & Lerch, C. M.	Modelling and Simulating the Dynamics of the European Demand for Bio-Based Plastics	System Dynamics, Bio-Based Plastics, Scaling and Learning Effects, Feedstock Price, Price Competition	17, 3, 419-430	10.2507/IJSIMM17(3)435	Horvat D., Wydra S., Lerch C. M. (2018). Modelling and Simulating the Dynamics of the European Demand for Bio-Based Plastics. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 419-430
28	Roca-Gonzalez, J. L.; Vera-Lopez, J. A. & Rodriguez-Bermudez, G.	Analysis of Patent #US2014/0319274A1: a Case Study of Simulations for New Designs Review	Patent Analysis, Aircraft Design, Improvement Characterization	17, 3, 405-418	10.2507/IJSIMM17(3)433	Roca-Gonzalez J. L., Vera-Lopez J. A., Rodriguez-Bermudez G. (2018). Analysis of Patent #US2014/0319274A1: a Case Study of Simulations for New Designs Review. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 405-418
29	Karakasic, M.; Zadnik, Z.; Kljajin, M. & Duhovnik, J.	The Matrix of Function and Functionality in Product Development Process	Product Development, Conceptual Design, Design Process, Function, Functionality, MFF (Matrix of Function and Functionality)	17, 3, 391-404	10.2507/IJSIMM17(3)432	Karakasic M., Zadnik Z., Kljajin M., Duhovnik J. (2018). The Matrix of Function and Functionality in Product Development Process. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 391-404
30	Vieira, A. A. C.; Dias, L. M. S.; Santos, M. Y.; Pereira, G. A. B. & Oliveira, J. A.	Setting an Industry 4.0 Research and Development Agenda for Simulation – a Literature Review	Discrete-Event Simulation, Industry 4.0, Visualization, Data Exchange Automation, Automatic Generation, Research and Development, Literature Rev.	17, 3, 377-390	10.2507/IJSIMM17(3)429	Vieira A. A. C., Dias L. M. S., Santos M. Y., Pereira G. A. B., Oliveira J. A. (2018). Setting an Industry 4.0 Research and Development Agenda for Simulation – a Literature Review. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 3, p. 377-390
31	Li, Y.; Shi, S. Y. & Huang, Q. D.	Three-Machine Job Shop Scheduling with Intermediate Transfer	Job Shop Scheduling, Heuristic Algorithm, Worst-Case Performance, Coordinated Scheduling	17, 2, 359-368	10.2507/IJSIMM17(2)CO10	Li Y., Shi S. Y., Huang Q. D. (2018). Three-Machine Job Shop Scheduling with Intermediate Transfer. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 359-368
32	Li, H. Y.; Gui, C. & Xiao, K.	Simulation of Multivariate Scheduling Optimization for Open Production Line Based on Improved Genetic Algorithm	Production Line, Scheduling Optimization, Bottleneck Identification, Improved Genetic Algorithm, Computer Simulation, Multivariate	17, 2, 347-358	10.2507/IJSIMM17(2)CO9	Li H. Y., Gui C., Xiao K. (2018). Simulation of Multivariate Scheduling Optimization for Open Production Line Based on Improved Genetic Algorithm. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 347-358
33	Hu, H. X.; Lei, W. X.; Gao, X. & Zhang, Y.	Job-Shop Scheduling Problem Based on Improved Cuckoo Search Algorithm	Job-Shop Scheduling Problem (JSP), Improved Cuckoo Search Algorithm (ICSA), Numerical Simulation	17, 2, 337-346	10.2507/IJSIMM17(2)CO8	Hu H. X., Lei W. X., Gao X., Zhang Y. (2018). Job-Shop Scheduling Problem Based on Improved Cuckoo Search Algorithm. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 337-346
34	Li, L.	Mechanism Design and Motion Planning of Parallel-Chain Nonholonomic Manipulator	Nonholonomic, Parallel-Chain, Chain Transformation, Motion Planning	17, 2, 327-336	10.2507/IJSIMM17(2)CO7	Li L. (2018). Mechanism Design and Motion Planning of Parallel-Chain Nonholonomic Manipulator. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 327-336
35	Dai, Y.; Wu, W.; Zhou, H. B.; Zhang, J. & Ma, F. Y.	Numerical Simulation and Optimization of Oil Jet Lubrication for Rotorcraft Meshing Gears	Rotorcraft High-Speed Meshing Gear, Oil Jet Lubrication, Two-Phase Flow Numerical Simulation, Spin-Flow Effect, Optimal Nozzle Position Layout	17, 2, 318-326	10.2507/IJSIMM17(2)CO6	Dai Y., Wu W., Zhou H. B., Zhang J., Ma F. Y. (2018). Numerical Simulation and Optimization of Oil Jet Lubrication for Rotorcraft Meshing Gears. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 318-326
36	Deese, K.; Geilen, M. & Rieg F.	A Two-Step Smoothing Algorithm for an Automated Product Development Process	Smoothing, Structural Optimisation, Automated Product Development, Marching Cubes, Implicit Fairing	17, 2, 308-317	10.2507/IJSIMM17(2)437	Deese K., Geilen M., Rieg F. (2018). A Two-Step Smoothing Algorithm for an Automated Product Development Process. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 308-317
37	Janekova, J.; Fabianova, J.; Izarikova, G.; Onofrejova, D. & Kovac, J.	Product Mix Optimization Based on Monte Carlo Simulation: A Case Study	Investment Efficiency, Production Planning, Computer Simulation, Optimisation	17, 2, 295-307	10.2507/IJSIMM17(2)436	Janekova J., Fabianova J., Izarikova G., Onofrejova D., Kovac J. (2018). Product Mix Optimization Based on Monte Carlo Simulation: A Case Study. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 295-307
38	Vaisi, B.; Farughi, H. & Raissi, S.	Two-Machine Robotic Cell Sequencing under Different Uncertainties	Robotic Manufacturing Cell, Sequencing, Breakdowns, Multiple Part Type Production, Simulation, Data Envelopment Analysis	17, 2, 284-294	10.2507/IJSIMM17(2)434	Vaisi B., Farughi H., Raissi S. (2018). Two-Machine Robotic Cell Sequencing under Different Uncertainties. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 284-294

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
39	Yan, H.; Li, Q.; Zhang, Y.; Shi, H. X. & Vnenkovskaia, V.	Optimization of Cavitating Flow Characteristics on RBSS of Waterjet Pumps	Waterjet Pump, Cavitation, Unsteady Flow, Performance Optimization	17, 2, 271-283	10.2507/IJSIMM17(2)427	Yan H., Li Q., Zhang Y., Shi H. X., Vnenkovskaia V. (2018). Optimization of Cavitating Flow Characteristics on RBSS of Waterjet Pumps. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 271-283
40	Katsios, D.; Xanthopoulos, A. S.; Koulouriotis, D. E. & Kiatipis, A.	A Simulation Optimisation Tool and Its Production/Inventory Control Application	JaamSim Discrete-Event Simulator, Simulation Optimisation Tool, Open Source Software, Multi-Objective Optimisation Algorithms, Just-In-Time M.	17, 2, 257-270	10.2507/IJSIMM17(2)425	Katsios D., Xanthopoulos A. S., Koulouriotis D. E., Kiatipis A. (2018). A Simulation Optimisation Tool and Its Production/Inventory Control Application. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 257-270
41	Lu, Y. J.; Wang, L. J.; Yang, Q. & Ren, J. Y.	Analysis of Asphalt Pavement Mechanical Behaviour by Using a Tire-Pavement Coupling Model	Tire-Pavement Coupling Model, Tire Force, Pavement Mechanical Response	17, 2, 245-256	10.2507/IJSIMM17(2)423	Lu Y. J., Wang L. J., Yang Q., Ren J. Y. (2018). Analysis of Asphalt Pavement Mechanical Behaviour by Using a Tire-Pavement Coupling Model. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 245-256
42	Moon, S.; Ji, W.; Moon, H. & Kim, D.	A Simulation of Order Resonance Phenomenon in a Supply Chain Triggered by Reinforcing Loop	Supply Chain, Resonance Phenomenon, Oligopolistic Competition, System Dynamics, Reinforcing Loop, Balancing Loop	17, 2, 231-244	10.2507/IJSIMM17(2)421	Moon S., Ji W., Moon H., Kim, D. (2018). A Simulation of Order Resonance Phenomenon in a Supply Chain Triggered by Reinforcing Loop. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 231-244
43	Mrozek, K.	Simulation Study of Induction Heating of Multi-Metallic Injection Moulds	Injection Moulding, Induction Heating, Selective Heating, Multi-metallic Mould	17, 2, 220-230	10.2507/IJSIMM17(2)415	Mrozek K. (2018). Simulation Study of Induction Heating of Multi-Metallic Injection Moulds. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 220-230
44	Gusel, L.; Rudolf, R. & Brezocnik, M.	Hardness Modelling of Deformed CW106C Alloy by a Genetic Programming	Cold Forming, Hardness, Alloy, Evolutionary Algorithms, Genetic Programming, Modelling	17, 2, 210-219	10.2507/IJSIMM17(2)414	Gusel L., Rudolf R., Brezocnik M. (2018). Hardness Modelling of Deformed CW106C Alloy by a Genetic Programming. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 210-219
45	Khan, M. A. A. & Sheikh, A. K.	A Comparative Study of Simulation Software for Modelling Metal Casting Processes	Casting Simulation Software, Comparison, Casting Processes, Solution Methods, Casting Defects	17, 2, 197-209	10.2507/IJSIMM17(2)402	Khan M. A. A., Sheikh A. K. (2018). A Comparative Study of Simulation Software for Modelling Metal Casting Processes. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 2, p. 197-209
46	Wang, Y.; Cen, H. J. & Yang, O.	Optimal Configuration for Workshop Manufacturing System under Dual Resource Constraints	Job-Shop, Production Cycle, Capacity Restriction, Dual Resource, Optimization, Simulation	17, 1, 180-189	10.2507/IJSIMM17(1)CO5	Wang Y., Cen H. J., Yang O. (2018). Optimal Configuration for Workshop Manufacturing System under Dual Resource Constraints. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 180-189
47	Duan, B.; Wang, J. C.; Lu, Z. H.; Zhang, G. X. & Zhang, C. H.	Parameter Analysis and Optimization of the Rotating Arc NG-GMAW Welding Process	NG-GMAW, Rotating Arc, Simulation Model, Parameters Optimization	17, 1, 170-179	10.2507/IJSIMM17(1)CO4	Duan B., Wang J. C., Lu Z. H., Zhang G. X., Zhang C. H. (2018). Parameter Analysis and Optimization of the Rotating Arc NG-GMAW Welding Process. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 170-179
48	Jiang, P.; Ding, J. L. & Guo, Y.	Application and Dynamic Simulation of Improved Genetic Algorithm in Production Workshop Scheduling	Production Workshop Scheduling, Genetic Algorithm, Dynamic Model, Dynamic Simulation	17, 1, 159-169	10.2507/IJSIMM17(1)CO3	Jiang P., Ding J. L., Guo Y. (2018). Application and Dynamic Simulation of Improved Genetic Algorithm in Production Workshop Scheduling. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 159-169
49	Zhong, Q.; Yang, H. & Tang, T.	Optimization Algorithm Simulation for Dual-Resource Constrained Job-Shop Scheduling	Job-Shop Scheduling, Dual-Resource Constraints, Compressed Time-Window Scheduling Strategy, Improved Branch Population Genetic Algorithm	17, 1, 147-158	10.2507/IJSIMM17(1)CO2	Zhong Q., Yang H., Tang T. (2018). Optimization Algorithm Simulation for Dual-Resource Constrained Job-Shop Scheduling. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 147-158
50	Wang, W. M.; Li, D. B.; He, F. & Tong, Y. F.	Modelling and Optimization for a Selective Assembly Process of Parts with Non-Normal Distribution	Selective Assembly Process, Grouping Scheme, Modelling, Optimization	17, 1, 133-146	10.2507/IJSIMM17(1)CO1	Wang W. M., Li D. B., He F., Tong Y. F. (2018). Modelling and Optimization for a Selective Assembly Process of Parts with Non-Normal Distribution. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 133-146
51	Petrovic, S.; Milosavljevic, P. & Lozanovic Sajic, J.	Rapid Evaluation of Maintenance Process Using Statistical Process Control and Simulation	Maintenance, Evaluation, Process Model, Simulation	17, 1, 119-132	10.2507/IJSIMM17(1)424	Petrovic S., Milosavljevic P., Lozanovic Sajic J. (2018). Rapid Evaluation of Maintenance Process Using Statistical Process Control and Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 119-132
52	Straka, M.; Lenort, R.; Khouri, S. & Feliks, J.	Design of Large-Scale Logistics Systems Using Computer Simulation Hierarchic Structure	Discrete Event Simulation, Hierarchic Structure, Large-Scale Logistics System, Manufacturing	17, 1, 105-118	10.2507/IJSIMM17(1)422	Straka M., Lenort R., Khouri S., Feliks J. (2018). Design of Large-Scale Logistics Systems Using Computer Simulation Hierarchic Structure. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 105-118
53	Ramadani, R.; Belsak, A.; Kegl, M.; Predan, J. & Pehan, S.	Topology Optimization Based Design of Lightweight and Low Vibration Gear Bodies	Gear Body, Lightweight Lattice Structure, Topology Optimization, Stress Reduction, Vibration Reduction	17, 1, 92-104	10.2507/IJSIMM17(1)419	Ramadani R., Belsak A., Kegl M., Predan J., Pehan S. (2018). Topology Optimization Based Design of Lightweight and Low Vibration Gear Bodies. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 92-104
54	Jiang, S. B.; Zeng, Q. L.; Wang, G.; Gao, K. D.; Wang, Q. Y. & Hidenori, K.	Contact Analysis of Chain Drive in Scraper Conveyor Based on Dynamic Meshing Properties	Scraper Conveyor, Contact Analysis, Dynamic Properties, Chain Drive	17, 1, 81-91	10.2507/IJSIMM17(1)418	Jiang S. B., Zeng Q. L., Wang G., Gao K. D., Wang Q. Y., Hidenori K. (2018). Contact Analysis of Chain Drive in Scraper Conveyor Based on Dynamic Meshing Properties. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 81-91
55	Zeng, X. T.; Meng, G. Y. & Zhou, J. H.	Analysis on the Pose and Dynamic Response of Hydraulic Support under Dual Impact Loads	Hydraulic Support, Dynamic Response, Impact Load, Pose Analysis	17, 1, 69-80	10.2507/IJSIMM17(1)412	Zeng X. T., Meng G. Y., Zhou J. H. (2018). Analysis on the Pose and Dynamic Response of Hydraulic Support under Dual Impact Loads. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 69-80
56	Pagliari, R. M. & Hirata, C. M.	Mapping SPEM Process Specifications to Activity Cycle Diagrams	Software & Systems Process Engineering Meta-model (SPEM), Activity Cycle Diagrams (ACD), Automatic Model Generation, Discrete Event Sim.	17, 1, 55-68	10.2507/IJSIMM17(1)411	Pagliari R. M., Hirata C. M. (2018). Mapping SPEM Process Specifications to Activity Cycle Diagrams. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 55-68
57	Balamurugan, T.; Karunamoorthy, L.; Arunkumar, N. & Santhosh, D.	Optimization of Inventory Routing Problem to Minimize Carbon Dioxide Emission	Inventory Routing, Homogeneous Vehicles, Carbon Dioxide Emission, Artificial Immune System	17, 1, 42-54	10.2507/IJSIMM17(1)410	Balamurugan T., Karunamoorthy L., Arunkumar N., Santhosh D. (2018). Optimization of Inventory Routing Problem to Minimize Carbon Dioxide Emission. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 42-54

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
58	Saez-Mas, A.; Garcia-Sabater, J. P. & Morant-Llorca, J.	Using 4-Layer Architecture to Simulate Product and Information Flows in Manufacturing Systems	Discrete Event Simulation (DES), Material Handling System (MHS), Manufacturing System, Automobile Assembly Plant, Simulation Approach	17, 1, 30-41	10.2507/IJSIMM17(1)408	Saez-Mas A., Garcia-Sabater J. P., Morant-Llorca J. (2018). Using 4-Layer Architecture to Simulate Product and Information Flows in Manufacturing Systems. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 30-41
59	Matejic, M.; Tadic, B.; Lazarevic, M.; Mistic, M. & Vukelic, D.	Modelling and Simulation of a Novel Modular Fixture for a Flexible Manufacturing System	Modular Fixture, Fixture Layout, Fixture Modelling, Fixture Simulation	17, 1, 18-29	10.2507/IJSIMM17(1)407	Matejic M., Tadic B., Lazarevic M., Mistic M., Vukelic D. (2018). Modelling and Simulation of a Novel Modular Fixture for a Flexible Manufacturing System. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 18-29
60	Simon, E.; Oyekan, J.; Hutabarat, W.; Tiwari, A. & Turner, C. J.	Adapting Petri Nets to DES: Stochastic Modelling of Manufacturing Systems	Petri Net, Discrete-Event Simulation, Stochastic Modelling, Manufacturing Plant Layout	17, 1, 5-17	10.2507/IJSIMM17(1)403	Simon E., Oyekan J., Hutabarat W., Tiwari A., Turner C. J. (2018). Adapting Petri Nets to DES: Stochastic Modelling of Manufacturing Systems. <i>Int. Journal of Simulation Modelling</i> , Vol. 17, No. 1, p. 5-17
1	Tang, Z. P.; Sun, J. P.; Yan, L. & Zou, F.	Dynamic Contact Analysis and Tooth Modification Design for EMU Traction Gear	EMU (Electric Multiple Units) Traction Helical Gear, Traction under Multi-Condition, Finite Element Model, Dynamic Contact Analysis, Modification D.	16, 4, 742-753	10.2507/IJSIMM16(4)CO20	Tang Z. P., Sun J. P., Yan L., Zou F. (2017). Dynamic Contact Analysis and Tooth Modification Design for EMU Traction Gear. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 742-753
2	Li, Y. G. & Zhang, M. S.	A Multi-Objective Lot-Streaming Optimization Scheduling Model Considering the Blocking Effect	Production Line, Optimal Scheduling, Multiple Target, Improved NSGA-II Algorithm, Blocking Effect	16, 4, 731-741	10.2507/IJSIMM16(4)CO19	Li Y. G., Zhang M. S. (2017). A Multi-Objective Lot-Streaming Optimization Scheduling Model Considering the Blocking Effect. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 731-741
3	He, S. H.; Li, X. D.; Wang, Y. & Zhu, H. H.	An Optimization Model for Automobile Mixed Assembly Line under Multiple Constrains	Automobile, Mixed Assembly Line, Constraint Conditions, Optimization, Improved Genetic Algorithm	16, 4, 720-730	10.2507/IJSIMM16(4)CO18	He S. H., Li X. D., Wang Y., Zhu H. H. (2017). An Optimization Model for Automobile Mixed Assembly Line under Multiple Constrains. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 720-730
4	Li, Z.; Tan, Y. G.; Zeng, S. & Luo, H. Y.	Dynamics Analysis and Planning for a Specific Leg Model with a Variable Stiffness Element	Leg Model, Variable Stiffness, Quadraped Robots, Dynamics Analysis, Motion Creation	16, 4, 707-719	10.2507/IJSIMM16(4)CO17	Li Z., Tan Y. G., Zeng S., Luo H. Y. (2017). Dynamics Analysis and Planning for a Specific Leg Model with a Variable Stiffness Element. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 707-719
5	Deng, W. J.; Zhang, J. Y.; Liu, L. W.; He, D. & Xia, W.	Simulation Analysis of a New Chips Recycling Process Termed Forming Extrusion Cutting	Chips Recycling, Forming Extrusion Cutting (FEC), Metal Cutting, FEM, Grooved Strips	16, 4, 694-706	10.2507/IJSIMM16(4)CO16	Deng W. J., Zhang J. Y., Liu L. W., He D., Xia W. (2017). Simulation Analysis of a New Chips Recycling Process Termed Forming Extrusion Cutting. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 694-706
6	Malega, P.; Kadarova, J. & Kobulnicky, J.	Improvement of Production Efficiency of Tapered Roller Bearing by Using Plant Simulation	Tapered Roller Bearing, Simulation Process, Plant Simulation, Production System, Optimization	16, 4, 682-693	10.2507/IJSIMM16(4)10.405	Malega P., Kadarova J., Kobulnicky J. (2017). Improvement of Production Efficiency of Tapered Roller Bearing by Using Plant Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 682-693
7	Huang, J.-H.; He, S.; Chen, Y. & Yang, C.-H.	Modelling of Special Equipment Supervision Game Considering Risk Expectation	Prospect Theory, Third-Party Special Equipment Inspection Institution, Supervision Strategies, Evolutionary Game	16, 4, 670-681	10.2507/IJSIMM16(4)9.404	Huang J.-H., He S., Chen Y., Yang C.-H. (2017). Modelling of Special Equipment Supervision Game Considering Risk Expectation. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 670-681
8	Liu, Y.; Liang, B.; Zhao, N. Y. & Wei, S.	Dynamic Characteristics of Coupled Vehicle–Track–Tunnel Interaction System	Vehicle–Track–Tunnel Coupled System, Equilibrium Equation, Vehicle Motion Quality, Dynamic Characteristics, Track Irregularity	16, 4, 658-669	10.2507/IJSIMM16(4)8.401	Liu Y., Liang B., Zhao N. Y., Wei S. (2017). Dynamic Characteristics of Coupled Vehicle–Track–Tunnel Interaction System. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 658-669
9	Zhang, H.; Liu, S.; Moraca, S. & Ojstersek, R.	An Effective Use of Hybrid Metaheuristics Algorithm for Job Shop Scheduling Problem	Job Shop Scheduling Problem, Metaheuristics Algorithm, Shuffled Frog Leaping Algorithm, Path Relinking, Random Multi-Neighbourhood Structures	16, 4, 644-657	10.2507/IJSIMM16(4)7.400	Zhang H., Liu S., Moraca S., Ojstersek R. (2017). An Effective Use of Hybrid Metaheuristics Algorithm for Job Shop Scheduling Problem. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 644-657
10	Zsifkovits, M. & Pham, T. S.	Modelling and Parameterizing Pedestrian Behaviour in Public Places: A Review	Pedestrian Behaviour, Modelling Passenger Flow, Crowd Behaviour, Modelling Public Place, Evacuation	16, 4, 630-643	10.2507/IJSIMM16(4)6.399	Zsifkovits M., Pham T. S. (2017). Modelling and Parameterizing Pedestrian Behaviour in Public Places: A Review. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 630-643
11	Supsomboon, S. & Varodhomwathana, T.	Robot and Plant Simulation for Automotive Part Production Process Design: A Case Study	Robot Simulation, Plant Simulation, Production Process Design, Automotive Part Manufacturing	16, 4, 617-629	10.2507/IJSIMM16(4)5.397	Supsomboon S., Varodhomwathana T. (2017). Robot and Plant Simulation for Automotive Part Production Process Design: A Case Study. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 617-629
12	Zupan, H.; Herakovic, N.; Zerovnik, J. & Berlec, T.	Layout Optimization of a Production Cell	Layout Optimization, Manufacturing Cell, Discrete Event Simulation, Clustering, Algorithms	16, 4, 603-616	10.2507/IJSIMM16(4)4.396	Zupan H., Herakovic N., Zerovnik J., Berlec T. (2017). Layout Optimization of a Production Cell. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 603-616
13	Trzepiecinski, T.; Lemu, H. G. & Fejkiel, R.	Numerical Simulation of Effect of Friction Directionality on Forming of Anisotropic Sheets	ABAQUS, Finite Element Method, Friction Anisotropy, Sheet Metal Forming	16, 4, 590-602	10.2507/IJSIMM16(4)3.392	Trzepiecinski T., Lemu H. G., Fejkiel R. (2017). Numerical Simulation of Effect of Friction Directionality on Forming of Anisotropic Sheets. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 590-602
14	Gjeldum, N.; Crnjac, M. & Bilic, B.	Simulation of Bullwhip Effect in a Supply Chain for Lean Learning Factory Purposes	Supply Chain Network, Bullwhip Effect, Inventory Level, Beer Game, Learning Factory	16, 4, 576-589	10.2507/IJSIMM16(4)2.390	Gjeldum N., Crnjac M., Bilic B. (2017). Simulation of Bullwhip Effect in a Supply Chain for Lean Learning Factory Purposes. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 576-589
15	Lee, M. L.; Park, I.; Park, D. U. & Park, C.	Constrained Ranking and Selection for Operations of an Emergency Department	Healthcare Management, Emergency Department, Simulation, Ranking and Selection, Simio	16, 4, 563-575	10.2507/IJSIMM16(4)1.388	Lee M. L., Park I., Park D. U., Park C. (2017). Constrained Ranking and Selection for Operations of an Emergency Department. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 4, p. 563-575
16	Tang, M.; Gong, D.; Liu, S. & Lu, X.	Finding Key Factors Affecting the Locations of Electric Vehicle Charging Stations: a Simulation and ANOVA Approach	Electric Vehicle, Location, Key Factors, Simulation, ANOVA	16, 3, 541-554	10.2507/IJSIMM16(3)CO15	Tang M., Gong D., Liu S., Lu X. (2017). Finding Key Factors Affecting the Locations of Electric Vehicle Charging Stations: a Simulation and ANOVA Approach. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 541-554

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
17	Qin, X. J.; Duan, Z. J.; Zheng, H. B. & Tang, Y.	Efficient Smoothness-Preserving Fusion Modelling Method for Mesh Models	Modelling, Mesh Fusion, Mesh Smoothing, Triangulation, Interpolation	16, 3, 527-540	10.2507/IJSIMM16(3)CO14	Qin X. J., Duan Z. J., Zheng H. B., Tang Y. (2017). Efficient Smoothness-Preserving Fusion Modelling Method for Mesh Models. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 527-540
18	Zhong, Y.; Li, J. M. & Zhu, S. Z.	Research on the Multi-objective Optimized Scheduling of the Flexible Job-Shop Considering Multi-Resource Allocation	Flexible Job Shop, Scheduling, Multi-Objective Optimization, Improved NSGA-II Algorithm, Multi-Resource	16, 3, 517-526	10.2507/IJSIMM16(3)CO13	Zhong Y., Li J. M., Zhu S. Z. (2017). Research on the Multi-objective Optimized Scheduling of the Flexible Job-Shop Considering Multi-Resource Allocation. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 517-526
19	Yin, H. Y.; Liu, L. Z. & Yeh, J. S.	A Multi-Objective Scheduling Optimization Model Considering Product Blockage and Machine Faults	Flow Shop, Optimized Scheduling, Multi-Objective, Machine Fault, Blockage	16, 3, 506-516	10.2507/IJSIMM16(3)CO12	Yin H. Y., Liu L. Z., Yeh J. S. (2017). A Multi-Objective Scheduling Optimization Model Considering Product Blockage and Machine Faults. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 506-516
20	Wu, J.; Wu, G. D. & Wang, J. J.	Flexible Job-Shop Scheduling Problem Based on Hybrid ACO Algorithm	Flexible Job-Shop Scheduling Problem (FJSP), Multi-Objective Optimization, Hybrid Ant Colony Algorithm	16, 3, 497-505	10.2507/IJSIMM16(3)CO11	Wu J., Wu G. D., Wang J. J. (2017). Flexible Job-Shop Scheduling Problem Based on Hybrid ACO Algorithm. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 497-505
21	Zupancic, D.; Buchmeister, B. & Aljaz, T.	Reducing the Time of Task Execution with Existing Resources – Comparison of Approaches	Scheduling, Kanban, Theory of Constraints, Comparison, Lead Time, WIP	16, 3, 484-496	10.2507/IJSIMM16(3)10.394	Zupancic D., Buchmeister B., Aljaz T. (2017). Reducing the Time of Task Execution with Existing Resources – Comparison of Approaches. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 484-496
22	Li, Q. Z.; Fan, X. W.; Huang, W. J. & Kwangseek, C.	Collaborative Supply Model and Case Simulation in a Two-Level Assemble-to-Order System in the Context of Global Purchasing	Assemble-to-Order (ATO), Global Purchasing, Collaborative Supply, Case Simulation	16, 3, 471-483	10.2507/IJSIMM16(3)9.393	Li Q. Z., Fan X. W., Huang W. J., Kwangseek C. (2017). Collaborative Supply Model and Case Simulation in a Two-Level Assemble-to-Order System in the Context of Global Purchasing. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 471-483
23	Jiang, S. B.; Zhang, X.; Gao, K. D.; Gao, J.; Wang, Q. Y. & Hidenori, K.	Multi-Body Dynamics and Vibration Analysis of Chain Assembly in Armoured Face Conveyor	Vibration Properties, Multi-Body Dynamics, Chain Assembly, Armoured Face Conveyor	16, 3, 458-470	10.2507/IJSIMM16(3)8.391	Jiang S. B., Zhang X., Gao K. D., Gao J., Wang Q. Y., Hidenori K. (2017). Multi-Body Dynamics and Vibration Analysis of Chain Assembly in Armoured Face Conveyor. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 458-470
24	Lovrec, D.; Tic, V. & Tasner, T.	Dynamic Behaviour of Different Hydraulic Drive Concepts – Comparison and Limits	Hydraulic, Power Unit, Drive Concepts, Control Strategies, Simulation, Dynamic	16, 3, 448-457	10.2507/IJSIMM16(3)7.389	Lovrec D., Tic V., Tasner T. (2017). Dynamic Behaviour of Different Hydraulic Drive Concepts – Comparison and Limits. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 448-457
25	Reis, A. N.; Pitombeira-Neto, A. R. & Rolim, G. A.	Simulation of Tank Truck Loading Operations in a Fuel Distribution Terminal	Tank Truck, Fuel Loading Operations, Scheduling, Queuing Policy, Discrete-Event Simulation	16, 3, 435-447	10.2507/IJSIMM16(3)6.386	Reis A. N., Pitombeira-Neto A. R., Rolim G. A. (2017). Simulation of Tank Truck Loading Operations in a Fuel Distribution Terminal. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 435-447
26	Straka, M.; Malindzakova, M.; Trebuna, P.; Rosova, A.; Pekarcikova, M. & Fill, M.	Application of EXTENDSIM for Improvement of Production Logistics' Efficiency	Computer Simulation, Production Logistics, Production System, Processes, EXTENDSIM	16, 3, 422-434	10.2507/IJSIMM16(3)5.384	Straka M., Malindzakova M., Trebuna P., Rosova A., Pekarcikova M., Fill M. (2017). Application of EXTENDSIM for Improvement of Production Logistics' Efficiency. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 422-434
27	Mustata, I. C.; Alexe, C. G. & Alexe, C. M.	Developing Competencies with the General Management II Business Simulation Game	Business Simulation Games, Competence Development, Games Based Learning	16, 3, 412-421	10.2507/IJSIMM16(3)4.383	Mustata I. C., Alexe C. G., Alexe C. M. (2017). Developing Competencies with the General Management II Business Simulation Game. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 412-421
28	Andres, B.; Poler, R.; Camarinha-Matos, L. M. & Afsarmanesh, H.	A Simulation Approach to Assess Partners Selected for a Collaborative Network	Collaborative Networks, System Dynamics, Partners' Selection, Strategies Alignment, Values Alignment, Trust	16, 3, 399-411	10.2507/IJSIMM16(3)3.382	Andres B., Poler R., Camarinha-Matos L. M., Afsarmanesh H. (2017). A Simulation Approach to Assess Partners Selected for a Collaborative Network. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 399-411
29	Flores-Herrera, L. A.; Sandoval-Pineda, J. M.; Silva-Rivera, U. S.; Tamayo-Meza, P. A. & Rivera-Blas, R.	CFD Simulation of Obstructed Ventilation Ports in a Subway Tunnel Section	Obstructed Ports, Fan Deflector, Critical Velocity, Subway, CFD	16, 3, 386-398	10.2507/IJSIMM16(3)2.380	Flores-Herrera L. A., Sandoval-Pineda J. M., Silva-Rivera U. S., Tamayo-Meza P. A., Rivera-Blas R. (2017). CFD Simulation of Obstructed Ventilation Ports in a Subway Tunnel Section. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 386-498
30	Banduka, N.; Mladineo, M. & Eric, M.	Designing a Layout Using Schmigalla Method Combined with Software Tool visTABLE	Facility Layout Problems, Schmigalla Method, visTABLE, Layout Optimization	16, 3, 375-385	10.2507/IJSIMM16(3)1.379	Banduka N., Mladineo M., Eric M. (2017). Designing a Layout Using Schmigalla Method Combined with Software Tool visTABLE. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 3, p. 375-385
31	Yang, B.; Chen, W. & Lin, C.	The Algorithm and Simulation of Multi-Objective Sequence and Balancing Problem for Mixed Mode Assembly Line	Mixed Flow Line, Multi-Objective, Genetic Algorithm, Particle Swarm Algorithm, Balance, Sequence	16, 2, 357-367	10.2507/IJSIMM16(2)CO10	Yang B., Chen W., Lin C. (2017). The Algorithm and Simulation of Multi-Objective Sequence and Balancing Problem for Mixed Mode Assembly Line. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 357-367
32	Yang, L. & Zheng, M. L.	Simulation and Analysis of Ball-End Milling of Panel Moulds Based on Deform 3D	Ball-End Milling, Panel Mould, Simulation, Deform 3D	16, 2, 343-356	10.2507/IJSIMM16(2)CO9	Yang L., Zheng M. L. (2017). Simulation and Analysis of Ball-End Milling of Panel Moulds Based on Deform 3D. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 343-356
33	Wang, Y. & Yang, O.	Research on Industrial Assembly Line Balancing Optimization Based on Genetic Algorithm and Witness Simulation	GA, Witness Simulation, Assembly Line, Balance Problem, Combinatorial Optimization	16, 2, 334-342	10.2507/IJSIMM16(2)CO8	Wang Y., Yang O. (2017). Research on Industrial Assembly Line Balancing Optimization Based on Genetic Algorithm and Witness Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 334-342
34	Zeng, Q. L.; Wang, K.; Wan, L. R. & Zhang, X.	Accurate Modelling and Transient Meshing Analysis of Involute Spur Gear Based on the Principle of Gear Shaping	Spur Gear, Gear Shaping, Meshing Equation, Modelling, Transient Analysis	16, 2, 322-333	10.2507/IJSIMM16(2)CO7	Zeng Q. L., Wang K., Wan L. R., Zhang X. (2017). Accurate Modelling and Transient Meshing Analysis of Involute Spur Gear Based on the Principle of Gear Shaping. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 322-333
35	Zhang, W.; Wen, J. B.; Zhu, Y. C. & Hu, Y.	Multi-Objective Scheduling Simulation of Flexible Job-Shop Based on Multi-Population Genetic Algorithm	Flexible Job-Shop, Scheduling, Genetic Algorithm, Multi-Objective, Optimization	16, 2, 313-321	10.2507/IJSIMM16(2)CO6	Zhang W., Wen J. B., Zhu Y. C., Hu Y. (2017). Multi-Objective Scheduling Simulation of Flexible Job-Shop Based on Multi-Population Genetic Algorithm. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 313-321

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
36	Kovacic, M. & Brezocnik, M.	A Universal CAD System for Cutting Stock Problem	CAD System, Cutting Stock Problem, Irregular Shapes, Genetic Algorithms, AutoCAD	16, 2, 302-312	10.2507/IJSIMM16(2)10.387	Kovacic M., Brezocnik M. (2017). A Universal CAD System for Cutting Stock Problem. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 302-312
37	Huang, P.; Lin, F.; Xu, L. J.; Kang, Z. L.; Zhou, J. L. & Yu, J. S.	Improved ACO-Based Sweep Coverage Scheme Considering Data Delivery	Wireless Sensor Network (WSN), ACO, Mobile Sensor, Sweep Coverage	16, 2, 289-301	10.2507/IJSIMM16(2)9.385	Huang P., Lin F., Xu L. J., Kang Z. L., Zhou J. L., Yu J. S. (2017). Improved ACO-Based Sweep Coverage Scheme Considering Data Delivery. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 289-301
38	Ravnik, J.; Cernec, D.; Hribersek, M. & Zadavec, M.	Magnetic Susceptibility Determination Based on Microparticles Sedimentation Analysis	Sedimentation, Magnetic Microparticles, Magnetic Susceptibility, Image Analysis, Magnetic Field, Magnetic Flux Density	16, 2, 275-288	10.2507/IJSIMM16(2)8.381	Ravnik J., Cernec D., Hribersek M., Zadavec M. (2017). Magnetic Susceptibility Determination Based on Microparticles Sedimentation Analysis. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 275-288
39	Oliveira, M. L. M.; Montevechi, J. A. B.; Pinho, A. F. & Miranda, R. C.	Using Hybrid Simulation to Represent the Human Factor in Production Systems	Agent-Based Simulation, Circadian Rhythm, Discrete-Event Simulation	16, 2, 263-274	10.2507/IJSIMM16(2)7.378	Oliveira M. L. M., Montevechi J. A. B., Pinho A. F., Miranda R. C. (2017). Using Hybrid Simulation to Represent the Human Factor in Production Systems. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 263-274
40	Nogareda, A.-M. & Camacho, D.	A Constraint-Based Approach for Classes Setting-Up Problems in Secondary Schools	Resource Allocation Problem, Ant Colony Optimisation, Constraint Satisfaction Optimisation Problems	16, 2, 253-262	10.2507/IJSIMM16(2)6.377	Nogareda A.-M., Camacho D. (2017). A Constraint-Based Approach for Classes Setting-Up Problems in Secondary Schools. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 253-262
41	Gocken, M.; Dosdogru, A. T. & Boru, A.	Optimization via Simulation for Inventory Control Policies and Supplier Selection	Inventory Control System, (s, S) Policies, Optimization via Simulation	16, 2, 241-252	10.2507/IJSIMM16(2)5.375	Gocken M., Dosdogru A. T., Boru A. (2017). Optimization via Simulation for Inventory Control Policies and Supplier Selection. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 241-252
42	Wang, Y.; Lu, Y. J.; Si, C. D. & Sun, T. C.	Finite Element Analysis for Rutting Prediction of Asphalt Concrete Pavement under Moving Wheel Load	Rutting, Moving Wheel Load, Finite Element, Strain Hardening Formulation	16, 2, 229-240	10.2507/IJSIMM16(2)4.374	Wang Y., Lu Y. J., Si C. D., Sun T. C. (2017). Finite Element Analysis for Rutting Prediction of Asphalt Concrete Pavement under Moving Wheel Load. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 229-240
43	Harl, B.; Predan, J.; Gubelj, N. & Kegl, M.	On Configuration-Based Optimal Design of Load-Carrying Lightweight Parts	Load-Carrying Part, Lightweight Design, Topology Optimization, Lattice Configuration	16, 2, 219-228	10.2507/IJSIMM16(2)3.369	Harl B., Predan J., Gubelj N., Kegl M. (2017). On Configuration-Based Optimal Design of Load-Carrying Lightweight Parts. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 219-228
44	Gingu (Boteanu), E. I.; Zapciu, M. & Cavalieri, S.	Production Systems Flow Modelling Using Decomposition Method and Required Buffers	Modelling, Markov Chain, Decomposition Method, Simulation, Buffers Optimization	16, 2, 207-218	10.2507/IJSIMM16(2)2.367	Gingu (Boteanu) E. I., Zapciu M., Cavalieri S. (2017). Production Systems Flow Modelling Using Decomposition Method and Required Buffers. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 207-218
45	Maric, M.; Gracanin, D.; Zogovic, N.; Ruskic, N. & Ivanovic, B.	Parking Search Optimization in Urban Area	Optimisation, Open Data, Parking Prediction, Parking Search Time, Driver Utility	16, 2, 195-206	10.2507/IJSIMM16(2)1.361	Maric M., Gracanin D., Zogovic N., Ruskic N., Ivanovic B. (2017). Parking Search Optimization in Urban Area. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 2, p. 195-206
46	Li, L.	Nonholonomic Motion Planning Using Trigonometric Switch Inputs	Chained Form Conversion, Motion Planning, Trigonometric Switch Input, Nonholonomic System, Time Scale Transformation	16, 1, 176-18	10.2507/IJSIMM16(1)CO5	Li L. (2017). Nonholonomic Motion Planning Using Trigonometric Switch Inputs. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 176-18
47	Zhao, J. Y.; Wang, Y. J.; Xi, X. & Wu, G. D.	Simulation of Steel Production Logistics System Based on Multi-Agents	Production Logistics System, Complex Network, Multi-Agent System Engineering, Simulation, Steel Production	16, 1, 167-175	10.2507/IJSIMM16(1)CO4	Zhao J. Y., Wang Y. J., Xi X., Wu G. D. (2017). Simulation of Steel Production Logistics System Based on Multi-Agents. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 167-175
48	Xiao, N.; Ni, C. D. & Guo, S. J.	Modelling and Simulation for Production Logistics System in Industrial Enterprises Based on Hybrid Network	Hybrid Petri Net, Production Logistics, Modelling, Simulation	16, 1, 157-166	10.2507/IJSIMM16(1)CO3	Xiao N., Ni C. D., Guo S. J. (2017). Modelling and Simulation for Production Logistics System in Industrial Enterprises Based on Hybrid Network. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 157-166
49	Li, Z. P.; Zhang, J. L.; Zhang, H. J. & Hua, G. W.	Optimal Selection of Movable Shelves under <i>Cargo-to-Person</i> Picking Mode	<i>Cargo-to-Person</i> Mode; Warehousing; 0-1 Linear Programming; Heuristic Algorithm	16, 1, 145-156	10.2507/IJSIMM16(1)CO2	Li Z. P., Zhang J. L., Zhang H. J., Hua G. W. (2017). Optimal Selection of Movable Shelves under <i>Cargo-to-Person</i> Picking Mode. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 145-156
50	Meng, Q. C.; Guo, Y.; Zhao, P. X.; Lu, T. X.; Wan, X. L.; Rong, X. X. & Pan, W.	Optimization and Simulation for Airport Emergency Inventory with Replacement	Occurrence Time Uncertainty, Emergency Supplies, Replacement strategy, Inventory Optimization	16, 1, 133-144	10.2507/IJSIMM16(1)CO1	Meng Q. C., Guo Y., Zhao P. X., Lu T. X., Wan X. L., Rong X. X., Pan W. (2017). Optimization and Simulation for Airport Emergency Inventory with Replacement. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 133-144
51	Li, X. Y.; Zhang, Q. X.; Wang, N. N.; Zeng, Q. L. & Hidenori, K.	Meshing Simulation and Strength Calculation of a Carburized Gear Pair	Carburized Cylindrical Gears, Strength Analysis, Modelling, Transient Simulation Analysis	16, 1, 121-132	10.2507/IJSIMM16(1)10.376	Li X. Y., Zhang Q. X., Wang N. N., Zeng Q. L., Hidenori K. (2017). Meshing Simulation and Strength Calculation of a Carburized Gear Pair. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 121-132
52	Todic, V.; Cosic, I.; Maksimovic, R.; Tasic, N. & Radakovic, N.	Model for Simulation of Life Cycle Costs at the Stage of Product Development	Product, Product Life Cycle, Cost Simulation, Cost Management	16, 1, 108-120	10.2507/IJSIMM16(1)9.373	Todic V., Cosic I., Maksimovic R., Tasic N., Radakovic N. (2017). Model for Simulation of Life Cycle Costs at the Stage of Product Development. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 108-120
53	Lerher, T.; Borovinsek, M.; Ficko, M. & Palcic, I.	Parametric Study of Throughput Performance in SBS/RS Based on Simulation	Logistics, Warehouses, Shuttle-Based Storage and Retrieval Systems, Simulation, Design of Experiments, Performance Analysis	16, 1, 96-107	10.2507/IJSIMM16(1)8.372	Lerher T., Borovinsek M., Ficko M., Palcic I. (2017). Parametric Study of Throughput Performance in SBS/RS Based on Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 96-107
54	Sena, D. C.; Silva, E. M. M.; Costa, A. P. R.; Montevechi, J. A. B.; Pinho, A. F. & Miranda, R. C.	Dynamic Allocation of Additional Human Resources Using Hybrid Simulation	Hybrid Simulation, Agent-Based Simulation, Discrete-Event Simulation, Resource Allocation, Food Production Process	16, 1, 84-95	10.2507/IJSIMM16(1)7.371	Sena D. C., Silva E. M. M., Costa A. P. R., Montevechi J. A. B., Pinho A. F., Miranda, R. C. (2017). Dynamic Allocation of Additional Human Resources Using Hybrid Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 84-95

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
55	Munoz-Guijosa, J. M.; Riesco, E. & Olmedo, M.	Neural Network and Training Strategy Design for Train Drivers' Vibration Dose Simulation	Vibration Dose, Artificial Neural Network, Nonlinear Model, Train Engineer, Train Driver	16, 1, 72-83	10.2507/IJSIMM16(1)6.370	Munoz-Guijosa J. M., Riesco E., Olmedo M. (2017). Neural Network and Training Strategy Design for Train Drivers' Vibration Dose Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 72-83
56	Mousavi, M.; Yap, H. J.; Musa, S. N. & Dawal, S. Z. M.	A Fuzzy Hybrid GA-PSO Algorithm for Multi-Objective AGV Scheduling in FMS	Automated Guided Vehicle, Scheduling, Multi-Objective Optimization, Genetic Algorithm, Particle Swarm Optimization, Fuzzy Hybrid GA-PSO	16, 1, 58-71	10.2507/IJSIMM16(1)5.368	Mousavi M., Yap H. J., Musa S. N., Dawal S. Z. M. (2017). A Fuzzy Hybrid GA-PSO Algorithm for Multi-Objective AGV Scheduling in FMS. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 58-71
57	Rehar, T.; Ogrizek, B.; Leber, M.; Pisnik, A. & Buchmeister, B.	Product Lifecycle Forecasting Using System's Indicators	Product Lifecycle, Simulation, Forecasting, Mathematical Modelling, System's Indicators	16, 1, 45-57	10.2507/IJSIMM16(1)4.366	Rehar T., Ogrizek B., Leber M., Pisnik A., Buchmeister B. (2017). Product Lifecycle Forecasting Using System's Indicators. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 45-57
58	Song, Y. H.; Guo, X. Y.; Lv, W.; Guo, H. & Li, R. Y.	A Simulation Study on the Reconstruction of Coalmine Ventilation System Based on Wind Resistance Correction	Mine Ventilation, Ventilation System Reconstruction, 3D Ventilation System Simulation, Feedback Mechanism, Air Flow Short-Circuit Method	16, 1, 31-44	10.2507/IJSIMM16(1)3.365	Song Y. H., Guo X. Y., Lv W., Guo H., Li R. Y. (2017). A Simulation Study on the Reconstruction of Coalmine Ventilation System Based on Wind Resistance Correction. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 31-44
59	Bozic, M.; Ducic, N.; Djordjevic, G. & Slavkovic, R.	Optimization of Whег Robot Running with Simulation of Neuro-Fuzzy Control	Instrumented Treadmill, Whег, Neural Network, Genetic Algorithm, Neuro-Fuzzy Control	16, 1, 19-30	10.2507/IJSIMM16(1)2.363	Bozic M., Ducic N., Djordjevic G., Slavkovic R. (2017). Optimization of Whег Robot Running with Simulation of Neuro-Fuzzy Control. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 19-30
60	Harari, Y.; Bechar, A.; Raschke, U. & Riemer, R.	Automated Simulation-Based Workplace Design that Considers Ergonomics and Productivity	Workplace Design, Optimisation, Simulation, Ergonomics, Predetermined Time Prediction	16, 1, 5-18	10.2507/IJSIMM16(1)1.355	Harari Y., Bechar A., Raschke U., Riemer R. (2017). Automated Simulation-Based Workplace Design that Considers Ergonomics and Productivity. <i>Int. Journal of Simulation Modelling</i> , Vol. 16, No. 1, p. 5-18
1	Sun, W. Q.; Guan, J. L.; Shao, J. & He, A. R.	Modelling the Dynamics and Secondary Deformation Behaviour of the Strip with Local Waves in Coiling Process	Local Waves, Elastic-Plastic Deformation, Plastic Flow Factor, Ridge-Buckle, ANSYS FEM	15, 4, 754-765	10.2507/IJSIMM15(4)CO20	Sun W. Q., Guan J. L., Shao J., He A. R. (2016). Modelling the Dynamics and Secondary Deformation Behaviour of the Strip with Local Waves in Coiling Process. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 754-765
2	Wu, D. Q.; Dong, M.; Li, H. Y. & Li, F.	Vehicle Routing Problem with Time Windows Using Multi-Objective Co-Evolutionary Approach	Multi-Objective Optimization, Discrete Particle Swarm Optimization, Variable Neighbourhood Search, Vehicle Routing Problem with Time Windows	15, 4, 742-753	10.2507/IJSIMM15(4)CO19	Wu D. Q., Dong M., Li H. Y., Li F. (2016). Vehicle Routing Problem with Time Windows Using Multi-Objective Co-Evolutionary Approach. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 742-753
3	Wang, Y. R. & Chen, A. N.	Production Logistics Simulation and Optimization of Industrial Enterprise Based on Flexsim	Production Logistics System, Simulation, Petri Net, Flexsim, Optimization	15, 4, 732-741	10.2507/IJSIMM15(4)CO18	Wang Y. R., Chen A. N. (2016). Production Logistics Simulation and Optimization of Industrial Enterprise Based on Flexsim. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 732-741
4	Luo, X. W. & Zhang, L. Y.	The Optimal Scheduling Model for Agricultural Machinery Resources with Time-Window Constraints	Scheduling Operations, Agricultural Machinery, Time Window, Multi-Type Machinery	15, 4, 721-731	10.2507/IJSIMM15(4)CO17	Luo X. W., Zhang L. Y. (2016). The Optimal Scheduling Model for Agricultural Machinery Resources with Time-Window Constraints. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 721-731
5	Chen, Y. X.	Integrated Optimization Model for Production Planning and Scheduling with Logistics Constraints	Production Planning, Scheduling, Logistics Capability, Integrated Optimization Model, Particle Swarm Optimization	15, 4, 711-720	10.2507/IJSIMM15(4)CO16	Chen Y. X. (2016). Integrated Optimization Model for Production Planning and Scheduling with Logistics Constraints. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 711-720
6	Zhang, Y.; Huang, A. Q.; Cheng, T. C. E.; Wang, S. Y. & Fernandez, V.	Simulating the Demand Reshaping and Substitution Effects of Probabilistic Selling	Inventory, Probabilistic Selling, Demand Substitution, Demand Reshaping	15, 4, 699-710	10.2507/IJSIMM15(4)CO15	Zhang Y., Huang A. Q., Cheng T. C. E., Wang S. Y., Fernandez V. (2016). Simulating the Demand Reshaping and Substitution Effects of Probabilistic Selling. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 699-710
7	Li, Q.; Yan, H.; Shi, H. X.; Han, X. X. & He, H. Y.	Simulation of Non-Overload Characteristics of Serial-Parallel Centrifugal Pumps	Serial-Parallel Centrifugal Pumps, Non-Overload Characteristics, Numerical Simulation, Parametric Modelling, Flow Deviation Angles	15, 4, 688-698	10.2507/IJSIMM15(4)9.364	Li Q., Yan H., Shi H. X., Han X. X., He H. Y. (2016). Simulation of Non-Overload Characteristics of Serial-Parallel Centrifugal Pumps. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 688-698
8	Vujica Herzog, N.; Zavec Pavlinic, D.; Kuzmanovic, B. & Buchmeister, B.	Thermal Manikin and Its Stability for Accurate and Repeatable Measurements	Thermal Insulation, Thermal Manikin, Measurement Validity and Reliability, System Stability Assessment	15, 4, 676-687	10.2507/IJSIMM15(4)8.362	Vujica Herzog N., Zavec Pavlinic D., Kuzmanovic B., Buchmeister B. (2016). Thermal Manikin and Its Stability for Accurate and Repeatable Measurements. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 676-687
9	Saric, T.; Simunovic, G.; Simunovic, K. & Svalina, I.	Estimation of Machining Time for CNC Manufacturing Using Neural Computing	Process Planning, Machining Time, Neural Networks, Estimation, CNC Manufacturing	15, 4, 663-675	10.2507/IJSIMM15(4)7.359	Saric T., Simunovic G., Simunovic K., Svalina I. (2016). Estimation of Machining Time for CNC Manufacturing Using Neural Computing. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 663-675
10	Li, X. Y.; Wang, N. N.; Lv, Y. G.; Zeng, Q. L. & Hidenori, K.	Tooth Profile Modification and Simulation Analysis of Involute Spur Gear	Tooth Profile Modification, Transmission Error, Impact, Parametric Modelling, Simulation Analysis	15, 4, 649-662	10.2507/IJSIMM15(4)6.358	Li X. Y., Wang N. N., Lv Y. G., Zeng Q. L., Hidenori K. (2016). Tooth Profile Modification and Simulation Analysis of Involute Spur Gear. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 649-662
11	Budak, I.; Mirkovic, S.; Sokac, M.; Santosi, Z.; Puskar, T. & Vukelic, D.	An Approach to Modelling of Personalized Bone Grafts Based on Advanced Technologies	Modelling, Simulation Analysis, Personalized Bone Graft	15, 4, 637-648	10.2507/IJSIMM15(4)5.357	Budak I., Mirkovic S., Sokac M., Santosi Z., Puskar T., Vukelic D. (2016). An Approach to Modelling of Personalized Bone Grafts Based on Advanced Technologies. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 637-648
12	Kim, S.-J.	Integration of Pre-Simulation and Sensorless Monitoring for Smart Mould Machining	Smart Mould Machining, Pre-Simulation, Feed Rate Control, Sensorless Monitoring, Tool Wear, Open CNC	15, 4, 623-636	10.2507/IJSIMM15(4)4.354	Kim S.-J. (2016). Integration of Pre-Simulation and Sensorless Monitoring for Smart Mould Machining. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 623-636
13	Supsomboon, S. & Vajasuvimon, A.	Simulation Model for Job Shop Production Process Improvement in Machine Parts Manufacturing	Job Shop Process, Process Improvement, Simulation, Layout, Capacity, Job Enlargement	15, 4, 611-622	10.2507/IJSIMM15(4)3.352	Supsomboon S., Vajasuvimon A. (2016). Simulation Model for Job Shop Production Process Improvement in Machine Parts Manufacturing. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 611-622

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
14	Dragic, M. & Sorak, M.	Simulation for Improving the Performance of Small and Medium Sized Enterprises	Simulation, Optimization, SMEs, Performance	15, 4, 597-610	10.2507/IJSIMM15(4)2.343	Dragic M., Sorak M. (2016). Simulation for Improving the Performance of Small and Medium Sized Enterprises. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 597-610
15	Jayalath, D. D. A. C. J.; Wimalaratne, S. P. W. & Karunananda, A. S.	Modelling Goal Selection of Characters in Primary Groups in Crowd Simulations	Artificial Intelligence, Multi-Agent Systems, Virtual Reality, Crowd Simulation, Primary Groups, Social Groups	15, 4, 585-596	10.2507/IJSIMM15(4)1.323	Jayalath D. D. A. C. J., Wimalaratne S. P. W., Karunananda A. S. (2016). Modelling Goal Selection of Characters in Primary Groups in Crowd Simulations. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 4, p. 585-596
16	Nie, X. D.; Chen, X. D. & Chen, X.	Simulation Study of Flexible Manufacturing Cell Based on Token-Oriented Petri Net Model	Flexible Manufacturing Cell (FMC), Petri Net, Transporting Robots, Simulation	15, 3, 566-576	10.2507/IJSIMM15(3)CO14	Nie X. D., Chen X. D., Chen X. (2016). Simulation Study of Flexible Manufacturing Cell Based on Token-Oriented Petri Net Model. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 566-576
17	Liang, Y.; Qiao, P. L.; Luo, Z. Y. & Song, L. L.	Constrained Stochastic Joint Replenishment Problem with Option Contracts in Spare Parts Remanufacturing Supply Chain	Stochastic Joint Replenishment Problem, Resource Restriction, Option Contracts, Adaptive Immune Genetic Algorithm	15, 3, 553-565	10.2507/IJSIMM15(3)CO13	Liang Y., Qiao P. L., Luo Z. Y., Song L. L. (2016). Constrained Stochastic Joint Replenishment Problem with Option Contracts in Spare Parts Remanufacturing Supply Chain. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 553-565
18	Hua, G. W.; Cheng, T. C. E.; Zhang, Y.; Zhang, J. L. & Wang, S. Y.	Carbon-Constrained Perishable Inventory Management with Freshness-Dependent Demand	Deteriorating Inventory, Carbon Emissions Tax, Cap-and-Trade, Perishable Items, Freshness-Dependent Demand	15, 3, 542-552	10.2507/IJSIMM15(3)CO12	Hua G. W., Cheng T. C. E., Zhang Y., Zhang J. L., Wang S. Y. (2016). Carbon-Constrained Perishable Inventory Management with Freshness-Dependent Demand. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 542-552
19	Dai, Y.; Zhu, X. & Chen, L. S.	A Mechanical-Hydraulic Virtual Prototype Co-Simulation Model for a Seabed Remotely Operated Vehicle	Seabed Tracked Remotely Operated Vehicle (ROV), Virtual Prototype Model, Mechanical-Hydraulic Co-Simulation, Load Independent Flow	15, 3, 532-541	10.2507/IJSIMM15(3)CO11	Dai Y., Zhu X., Chen L. S. (2016). A Mechanical-Hydraulic Virtual Prototype Co-Simulation Model for a Seabed Remotely Operated Vehicle. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 532-541
20	Ternik, P. & Rudolf, R.	Numerical Analysis of Continuous Casting of NiTi Shape Memory Alloy	NiTi, Solidification, Continuous Casting, Numerical Modelling, Heat Transfer	15, 3, 522-531	10.2507/IJSIMM15(3)11.360	Ternik P., Rudolf R. (2016). Numerical Analysis of Continuous Casting of NiTi Shape Memory Alloy. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 522-531
21	Klobucar, R. & Acko, B.	Experimental Evaluation of Ball Bar Standard Thermal Properties by Simulating Real Shop Floor Conditions	Traceability, Co-Ordinate Measurement, Measurement Standard, Thermal Expansion	15, 3, 511-521	10.2507/IJSIMM15(3)10.356	Klobucar R., Acko B. (2016). Experimental Evaluation of Ball Bar Standard Thermal Properties by Simulating Real Shop Floor Conditions. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 511-521
22	Aguado, S.; Velazquez, J.; Samper, D. & Santolaria, J.	Modelling of Computer-Assisted Machine Tool Volumetric Verification Process	Laser Interferometry, Volumetric Verification, Simulation, Influence Factors, Accuracy, Machine Tool	15, 3, 497-510	10.2507/IJSIMM15(3)9.353	Aguado S., Velazquez J., Samper D., Santolaria J. (2016). Modelling of Computer-Assisted Machine Tool Volumetric Verification Process. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 497-510
23	Galal, N. M. & El-Kilany, K. S.	Sustainable Agri-Food Supply Chain with Uncertain Demand and Lead Time	Agri-Food Supply Chain, Carbon Emissions, Perishable Goods, Modelling and Simulation	15, 3, 485-496	10.2507/IJSIMM15(3)8.350	Galal N. M., El-Kilany K. S. (2016). Sustainable Agri-Food Supply Chain with Uncertain Demand and Lead Time. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 485-496
24	Runje, B.; Stepanic, J.; Mihaljevic, M.; Horvatic, A. & Kondic, V.	Simulation Modelling of a Company Providing Two Qualitatively Different Services to Market	Simulation Modelling, Service Providing Company, Adaptation, Market Demand	15, 3, 473-484	10.2507/IJSIMM15(3)7.349	Runje B., Stepanic J., Mihaljevic M., Horvatic A., Kondic V. (2016). Simulation Modelling of a Company Providing Two Qualitatively Different Services to Market. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 473-484
25	Wang, C.; Mao, Y. S.; Du, K. J.; Hu, B. Q. & Song, L. F.	Simulation on Local Obstacle Avoidance Algorithm for Unmanned Surface Vehicle	Unmanned Surface Vehicle (USV), Path Planning, Dynamic Collision Avoidance, Particle Swarm Optimization (PSO), Marine Rules, Rolling Windows	15, 3, 460-472	10.2507/IJSIMM15(3)6.347	Wang C., Mao Y. S., Du K. J., Hu B. Q., Song L. F. (2016). Simulation on Local Obstacle Avoidance Algorithm for Unmanned Surface Vehicle. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 460-472
26	Cannella, S.; Dominguez, R. & Framinan, J. M.	Turbulence in Market Demand on Supply Chain Networks	Serial Supply Chains, Divergent Supply Chains, Agent-Based Simulation, Shock Demand, Demand Variability, Demand Impulse	15, 3, 450-459	10.2507/IJSIMM15(3)5.346	Cannella S., Dominguez R., Framinan J. M. (2016). Turbulence in Market Demand on Supply Chain Networks. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 450-459
27	Tan, K. S.; Wong, S. V. & Megat Ahmad, M. M. H.	Development of High Fidelity Finite Element Model of Motorcycle Telescopic Front Fork	Finite Element Modelling, Fully Deformable Model, Motorcycle Fork, Quasi-Static Simulations	15, 3, 436-449	10.2507/IJSIMM15(3)4.344	Tan K. S., Wong S. V., Megat Ahmad M. M. H. (2016). Development of High Fidelity Finite Element Model of Motorcycle Telescopic Front Fork. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 436-449
28	Chen, C.-C.; Li, J.-S.; Luo, J.; Xie, S.-R.; Li, H.-Y.; Pu, H.-Y. & Gu, J.	Robust Adaptive Position and Force Tracking Control Strategy for Door-Opening Behaviour	Tracking Simulation, Door Opening, Manipulator, Robust Adaptive Control	15, 3, 423-435	10.2507/IJSIMM15(3)3.342	Chen C.-C., Li J.-S., Luo J., Xie S.-R., Li H.-Y., Pu H.-Y., Gu J. (2016). Robust Adaptive Position and Force Tracking Control Strategy for Door-Opening Behaviour. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 423-435
29	Komeili, M. & Menon, C.	Robust Design of Thermally Actuated Micro-Cantilever Using Numerical Simulations	Finite Element Method, Micro-Cantilever, Design of Experiments, Uncertainty, Robust Design	15, 3, 409-422	10.2507/IJSIMM15(3)2.340	Komeili M., Menon C. (2016). Robust Design of Thermally Actuated Micro-Cantilever Using Numerical Simulations. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 409-422
30	Djemana, M. & Hrairi, M.	Modelling and Simulation of Impedance-Based Damage Monitoring of Structures	Structural Health Monitoring, Electromechanical Impedance, Piezoelectric Patch, Finite Element, Simulation	15, 3, 395-408	10.2507/IJSIMM15(3)1.338	Djemana M., Hrairi M. (2016). Modelling and Simulation of Impedance-Based Damage Monitoring of Structures. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 3, p. 395-408
31	Dai, Y.; Chen, L. S.; Zhu, X. & Liu, H.	Modelling and Simulation of a Mining Machine Excavating Seabed Massive Sulfide Deposits	Seabed Massive Sulfide, Seabed Mining Machine, Laboratory Mechanical Tests, Excavation Cutter, Discrete Element Model, Numerical Simulation	15, 2, 377-387	10.2507/IJSIMM15(2)CO10	Dai Y., Chen L. S., Zhu X., Liu H. (2016). Modelling and Simulation of a Mining Machine Excavating Seabed Massive Sulfide Deposits. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 377-387
32	Yang, J. Q.; Zhang, X. M.; Zhang, H. Y. & Liu, C.	Cooperative Inventory Strategy in a Dual-Channel Supply Chain with Transshipment Consideration	Supply Chain, Dual Channel, Inventory Cooperation, Transshipment, Game Theory	15, 2, 365-376	10.2507/IJSIMM15(2)CO9	Yang J. Q., Zhang X. M., Zhang H. Y., Liu C. (2016). Cooperative Inventory Strategy in a Dual-Channel Supply Chain with Transshipment Consideration. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 365-376

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
33	Xiao, N. & Rao, Y. L.	Multi-Product Multi-Period Inventory Routing Optimization with Time Window Constrains	IRP (Inventory Routing Problems), VMI (Vendor Managed Inventory), Fuzzy Genetic Algorithm, Multi-Product, Multi-Period	15, 2, 352-364	10.2507/IJSIMM15(2)CO8	Xiao N., Rao Y. L. (2016). Multi-Product Multi-Period Inventory Routing Optimization with Time Window Constrains. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 352-364
34	Wu, S. B.; Gu, X.; Wu, G. D. & Zhou, Q.	Cooperative R&D Contract of Supply Chain Considering the Quality of Product Innovation	Supply Chain, Collaborative R&D, Innovation Quality of Products, Contract	15, 2, 341-351	10.2507/IJSIMM15(2)CO7	Wu S. B., Gu X., Wu G. D., Zhou Q. (2016). Cooperative R&D Contract of Supply Chain Considering the Quality of Product Innovation. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 341-351
35	Sun, W. Q.; Li, B.; Shao, J. & He, A. R.	Research on Crown & Flatness Allocation Strategy of Hot Rolling Mills	Hot Rolled Strip, Profile, Allocation Strategy, Finite Element Method, Rapid Dynamic Programming	15, 2, 327-340	10.2507/IJSIMM15(2)CO6	Sun W. Q., Li B., Shao J., He A. R. (2016). Research on Crown & Flatness Allocation Strategy of Hot Rolling Mills. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 327-340
36	Yu, G. D.	Modelling for Emergency Manufacturing Resources Schedule to Unexpected Events	Emergency Decision-Making, Manufacturing Resources Scheduling, Rolling Optimization, Vulnerability, Resource Scheduling Algorithm	15, 2, 313-326	10.2507/IJSIMM15(2)10.348	Yu G. D. (2016). Modelling for Emergency Manufacturing Resources Schedule to Unexpected Events. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 313-326
37	Sudharsan, J. & Karunamoorthy, L.	Path Planning and Co-Simulation Control of 8 DOF Anthropomorphic Robotic Arm	Robotics, Humanoid Arm, Dynamic Analysis of Robot Arm, MATLAB / SIMULINK, ADAMS, 8 Degrees of Freedom	15, 2, 302-312	10.2507/IJSIMM15(2)9.339	Sudharsan J., Karunamoorthy L. (2016). Path Planning and Co-Simulation Control of 8 DOF Anthropomorphic Robotic Arm. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 302-312
38	Tesic, Z.; Stevanov, B.; Jovanovic, V.; Tomic, M. & Kafol, C.	Period Batch Control - A Production Planning System Applied to Virtual Manufacturing Cells	Period Batch Control, Virtual Cell, Schedule Simulation	15, 2, 288-301	10.2507/IJSIMM15(2)8.337	Tesic Z., Stevanov B., Jovanovic V., Tomic M., Kafol C. (2016). Period Batch Control - A Production Planning System Applied to Virtual Manufacturing Cells. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 288-301
39	Kanduc, T. & Rodic, B.	Optimisation of Machine Layout Using a Force Generated Graph Algorithm and Simulated Annealing	Layout Optimisation, Heuristics, Discrete Event Simulation, Force-Directed Graphs	15, 2, 275-287	10.2507/IJSIMM15(2)7.335	Kanduc T., Rodic B. (2016). Optimisation of Machine Layout Using a Force Generated Graph Algorithm and Simulated Annealing. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 275-287
40	Li, H. X.; Li, B.; Choi, J.; Heo, J. & Kim, I.	Analysis of a Novel Nozzle Used for Pulse Jet Filtration Using CFD Simulation Method	Numerical Simulation, Three-Dimensional Model, Rectangular Nozzle, Pulse Cleaning, Entrainment Effect	15, 2, 262-274	10.2507/IJSIMM15(2)6.334	Li H. X., Li B., Choi J., Heo J., Kim I. (2016). Analysis of a Novel Nozzle Used for Pulse Jet Filtration Using CFD Simulation Method. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 262-274
41	Markovic-Hribernik, T. & Detelj, K.	Simulation of Public Procurement's Impact on Innovativeness of EU Countries	Public Procurement, Innovation Policy Instruments, Innovativeness, Panel Analysis, Simulation	15, 2, 249-261	10.2507/IJSIMM15(2)5.333	Markovic-Hribernik T., Detelj K. (2016). Simulation of Public Procurement's Impact on Innovativeness of EU Countries. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 249-261
42	Wang, Y.; Lu, Y. J.; Si, C. D. & Sung, P.	Tire-Pavement Coupling Dynamic Simulation under Tire High-Speed-Rolling Condition	Tire-Pavement Coupling System, Finite Element Method, Wheel Load, Dynamic Simulation	15, 2, 236-248	10.2507/IJSIMM15(2)4.332	Wang Y., Lu Y. J., Si, C. D., Sung P. (2016). Tire-Pavement Coupling Dynamic Simulation under Tire High-Speed-Rolling Condition. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 236-248
43	Centobelli, P.; Cerchione, R.; Murino, T. & Gallo, M.	Layout and Material Flow Optimization in Digital Factory	Digital Factory, Layout Optimization, Manufacturing and Simulation Model, 3D Simulation	15, 2, 223-235	10.2507/IJSIMM15(2)3.327	Centobelli P., Cerchione R., Murino T., Gallo M. (2016). Layout and Material Flow Optimization in Digital Factory. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 223-235
44	Ahmed, R.; Shah, M. & Umar, M.	Concepts of Simulation Model Size and Complexity	Simulation Model Size, Model Complexity, Context, Methodology	15, 2, 213-222	10.2507/IJSIMM15(2)2.317	Ahmed R., Shah M., Umar M. (2016). Concepts of Simulation Model Size and Complexity. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 213-222
45	Natasha, A. R.; Ghani, J. A.; Che Haron, C. H.; Syarif, J. & Musfirah, A. H.	Temperature at the Tool-Chip Interface in Cryogenic and Dry Turning of AISI 4340 Using Carbide Tool	Cryogenic, Heat Transfer Coefficient, Temperature Gradient, Finite Element Analysis	15, 2, 201-212	10.2507/IJSIMM15(2)1.314	Natasha A. R., Ghani J. A., Che Haron C. H., Syarif J., Musfirah A. H. (2016). Temperature at the Tool-Chip Interface in Cryogenic and Dry Turning of AISI 4340 Using Carbide Tool. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 2, p. 201-212
46	Lu, X. C. & Hjelle, H. M.	A New Model for Evaluating the Volume of Laptop Spare Parts Depending on Users' Intentions Related to Laptop Use Time	Laptop Spare Parts, Users' Repair Intention, Simulation	15, 1, 181-193	10.2507/IJSIMM15(1)CO5	Lu X. C., Hjelle H. M. (2016). A New Model for Evaluating the Volume of Laptop Spare Parts Depending on Users' Intentions Related to Laptop Use Time. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 181-193
47	Li, X. Y.; Lv, Y. G.; Jiang, S. B. & Zeng, Q. L.	Effects of Spiral Line for Pick Arrangement on Boom Type Roadheader Cutting Load	Cutting Head, Pick Arrangement, Spiral Line, Cutting Head Design, Cutting Load, Boom Type Roadheader	15, 1, 170-180	10.2507/IJSIMM15(1)CO4	Li X. Y., Lv Y. G., Jiang S. B., Zeng Q. L. (2016). Effects of Spiral Line for Pick Arrangement on Boom Type Roadheader Cutting Load. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 170-180
48	Ba, L.; Li, Y.; Yang, M. S.; Gao, X. Q. & Liu, Y.	Modelling and Simulation of a Multi-Resource Flexible Job-Shop Scheduling	Multi-Resource, Scheduling, Genetic Algorithm	15, 1, 157-169	10.2507/IJSIMM15(1)CO3	Ba L., Li Y., Yang M. S., Gao X. Q., Liu Y. (2016). Modelling and Simulation of a Multi-Resource Flexible Job-Shop Scheduling. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 157-169
49	Xie, H. L.; Liu, Z. B.; Yang, J. Y.; Sheng, Z. Q. & Xu, Z. W.	Modelling of Magnetorheological Damper for Intelligent Bionic Leg and Simulation of Knee Joint Movement Control	Intelligent Bionic Leg, Magnetorheological Damper, Forward Dynamics Model, Inverse Dynamics Model, RBF Neural Network	15, 1, 144-156	10.2507/IJSIMM15(1)CO2	Xie H. L., Liu Z. B., Yang J. Y., Sheng Z. Q., Xu Z. W. (2016). Modelling of Magnetorheological Damper for Intelligent Bionic Leg and Simulation of Knee Joint Movement Control. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 144-156
50	Su, L.; Qi, Y.; Jin, L.-L. & Zhang, G.-L.	Integrated Batch Planning Optimization Based on Fuzzy Genetic and Constraint Satisfaction for Steel Production	Integrated Batch Planning, Scheduling Problem, Fuzzy Genetic	15, 1, 133-143	10.2507/IJSIMM15(1)CO1	Su L., Qi Y., Jin L.-L., Zhang G.-L. (2016). Integrated Batch Planning Optimization Based on Fuzzy Genetic and Constraint Satisfaction for Steel Production. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 133-143
51	Ramesh Kumar, L.; Padmanaban, K. P. & Balamurugan, C.	Optimal Tolerance Allocation in a Complex Assembly Using Evolutionary Algorithms	Tolerance Allocation, Manufacturing Cost, Quality Loss, Evolutionary Algorithms	15, 1, 121-132	10.2507/IJSIMM15(1)10.331	Ramesh Kumar L., Padmanaban K. P., Balamurugan C. (2016). Optimal Tolerance Allocation in a Complex Assembly Using Evolutionary Algorithms. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 121-132

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
52	Klancnik, S.; Brezocnik, M. & Balic, J.	Intelligent CAD/CAM System for Programming of CNC Machine Tools	NSGA-II, Multi-Objective Optimisation, Machine Tool, CNC Programming, CAD/CAM	15, 1, 109-120	10.2507/IJSIMM15(1)9.330	Klancnik S., Brezocnik M., Balic J. (2016). Intelligent CAD/CAM System for Programming of CNC Machine Tools. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 109-120
53	Rosi, B.; Grasic, L.; Dukic, G.; Opetuk, T. & Lerher, T.	Simulation-Based Performance Analysis of Automated Single-Tray Vertical Lift Module	Logistics, Automated Warehouse, Warehousing, Vertical Lift Module, Discrete Event Simulation, Performance Analysis	15, 1, 97-108	10.2507/IJSIMM15(1)8.328	Rosi B., Grasic L., Dukic G., Opetuk T., Lerher T. (2016). Simulation-Based Performance Analysis of Automated Single-Tray Vertical Lift Module. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 97-108
54	Xu, S. Y. & Raahemi, B.	A Semantic-Based Service Discovery Framework for Collaborative Environments	Service Discovery, Recommendation, Service Ontology, Similarity, Semantic	15, 1, 83-96	10.2507/IJSIMM15(1)7.326	Xu S. Y., Raahemi B. (2016). A Semantic-Based Service Discovery Framework for Collaborative Environments. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 83-96
55	Vickovic, L.; Gotovac, S. & Celar, S.	Simulation-Based Performance Analysis of the ALICE Mass Storage System	Big Data, Mass Storage System Optimization, Storage Area Network Simulation, Storage Area Network Optimization, Hierarchical Performance	15, 1, 70-82	10.2507/IJSIMM15(1)6.325	Vickovic L., Gotovac S., Celar S. (2016). Simulation-Based Performance Analysis of the ALICE Mass Storage System. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 70-82
56	Liu, F. L.; Wu, W. W.; Liu, Y. X. & Klimov, L.	Simulation of the Performance Optimization of Harbin Yingbin Industrial Park in China	Industrial Park, Comprehensive Performance Optimization, MILP Model, ALB Model, Simulation	15, 1, 56-69	10.2507/IJSIMM15(1)5.321	Liu F. L., Wu W. W., Liu Y. X., Klimov L. (2016). Simulation of the Performance Optimization of Harbin Yingbin Industrial Park in China. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 56-69
57	Sung, A. N.; Loh, W. P. & Ratnam, M. M.	Simulation Approach for Surface Roughness Interval Prediction in Finish Turning	Prediction Interval, Nose Profile Micro-Deviation, Surface Roughness, Turning	15, 1, 42-55	10.2507/IJSIMM15(1)4.320	Sung A. N., Loh W. P., Ratnam M. M. (2016). Simulation Approach for Surface Roughness Interval Prediction in Finish Turning. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 42-55
58	Zupan, H.; Herakovic, N.; Starbek, M. & Kusar, J.	Hybrid Algorithm Based on Priority Rules for Simulation of Workshop Production	Workshop Scheduling, Discrete Event Simulation, Priority Rules, Optimization of Workshop	15, 1, 29-41	10.2507/IJSIMM15(1)3.319	Zupan H., Herakovic N., Starbek M., Kusar J. (2016). Hybrid Algorithm Based on Priority Rules for Simulation of Workshop Production. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 29-41
59	Alrabghi, A. & Tiwari, A.	A Novel Framework for Simulation-based Optimisation of Maintenance Systems	Simulation, Optimisation, Maintenance, Framework, Complex Systems	15, 1, 16-28	10.2507/IJSIMM15(1)2.316	Alrabghi A., Tiwari A. (2016). A Novel Framework for Simulation-based Optimisation of Maintenance Systems. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 16-28
60	Cotet, C. E.; Popa, C. L.; Enciu, G.; Popescu, A. & Dobrescu, T.	Using CAD and Flow Simulation for Educational Platform Design and Optimization	Simulation, Performance Diagnosis, Industrial Logistics, AS/RS System, Witness	15, 1, 5-15	10.2507/IJSIMM15(1)1.310	Cotet C. E., Popa C. L., Enciu G., Popescu A., Dobrescu T. (2016). Using CAD and Flow Simulation for Educational Platform Design and Optimization. <i>Int. Journal of Simulation Modelling</i> , Vol. 15, No. 1, p. 5-15
1	Gong, D.; Liu, S. & Lu, X.	Modelling the Impacts of Resource Sharing on Supply Chain Efficiency	Resource Sharing Mode, Queuing, Modelling, Simulation, AnyLogic	14, 4, 744-755	10.2507/IJSIMM14(4)CO20	Gong D., Liu S., Lu X. (2015). Modelling the Impacts of Resource Sharing on Supply Chain Efficiency. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 744-755
2	Dai, Y.; Zhu, X.; Chen, L. S.; Liu, H.; Zhang, T. & Liu, S. J.	A New Multi-Body Dynamic Model for Seafloor Miner and Its Trafficability Evaluation	Seafloor Tracked Miner, Track-Sediment Interaction Mechanics, 3D Multi-Body Dynamic Model, Simulation Analysis, Trafficability Evaluation	14, 4, 732-743	10.2507/IJSIMM14(4)CO19	Dai Y., Zhu X., Chen L. S., Liu H., Zhang T., Liu S. J. (2015). A New Multi-Body Dynamic Model for Seafloor Miner and Its Trafficability Evaluation. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 732-743
3	Song, L. J.; Gu, H. P.; Jin, S. Y. & Zhao, H.	Rescheduling Methods for Manufacturing Firms Applying Make-to-Order Strategy	Manufacturing Systems, Disturbance Degree, Rescheduling, Fuzzy-Neural Network	14, 4, 719-731	10.2507/IJSIMM14(4)CO18	Song L. J., Gu H. P., Jin S. Y., Zhao H. (2015). Rescheduling Methods for Manufacturing Firms Applying Make-to-Order Strategy. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 719-731
4	Yang, Z.; Qiu, H.-L.; Luo, X.-W. & Shen, D.	Simulating Schedule Optimization Problem in Steelmaking Continuous Casting Process	SCC, Scheduling Problem, Quantum-Behaved Particle Swarm Optimization	14, 4, 710-718	10.2507/IJSIMM14(4)CO17	Yang Z., Qiu H.-L., Luo X.-W., Shen D. (2015). Simulating Schedule Optimization Problem in Steelmaking Continuous Casting Process. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 710-718
5	Zhang, L.	Dynamic Optimization Model for Garment Dual-Channel Supply Chain Network: A Simulation Study	Dual-Channel, Pre-Sale Mode, Supply Chain Network, Dynamic Optimization	14, 4, 697-709	10.2507/IJSIMM14(4)CO16	Zhang L. (2015). Dynamic Optimization Model for Garment Dual-Channel Supply Chain Network: A Simulation Study. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 697-709
6	Glavan, I.; Prelec, Z. & Pavkovic, B.	Modelling, Simulation and Optimization of Small-Scale CCHP Energy Systems	Small-Scale CCHP, Trigeneration, Optimization, Energy Efficiency, Modelica, SimulationX	14, 4, 683-696	10.2507/IJSIMM14(4)10.336	Glavan I., Prelec Z., Pavkovic B. (2015). Modelling, Simulation and Optimization of Small-Scale CCHP Energy Systems. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 683-696
7	Lovrec, D.; Tic, V. & Tasner, T.	Simulation-Aided Determination of an Efficiency Field as a Basis for Maximum Efficiency-Controller Design	Hydraulic, Power Unit, Control Concepts, Efficiency Field, Simulation Results	14, 4, 669-682	10.2507/IJSIMM14(4)9.324	Lovrec D., Tic V., Tasner T. (2015). Simulation-Aided Determination of an Efficiency Field as a Basis for Maximum Efficiency-Controller Design. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 669-682
8	Yuan, L.-W.; Li, S.-M.; Peng, B. & Chen, Y.-M.	Study on Failure Process of Tailing Dams Based on Particle Flow Theories	Tailing Dam, Particle Flow, PFC2D, Stability Analysis, Discrete Element, Numerical Simulation	14, 4, 658-668	10.2507/IJSIMM14(4)8.322	Yuan L.-W., Li S.-M., Peng B., Chen Y.-M. (2015). Study on Failure Process of Tailing Dams Based on Particle Flow Theories. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 658-668
9	Zhang, Z.-H. & Hu, C.	Multi-Model Stability Control Method of Underactuated Biped Robots Based on Imbalance Degrees	Underactuated Biped Robots, Varying Gait, Imbalance Degree, Multi-Model Control	14, 4, 647-657	10.2507/IJSIMM14(4)7.318	Zhang Z.-H., Hu, C. (2015). Multi-Model Stability Control Method of Underactuated Biped Robots Based on Imbalance Degrees. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 647-657
10	Lu, J. T.; Yang, N. D.; Ye, J. F.; Liu, X. G. & Mahmood, N.	Connectionism Strategy for Industrial Accident-Oriented Emergency Decision-Making: A Simulation Study Based on PCS Model	Industrial Accident, Emergency Management, Coal-Mine Accident, Connectionism Strategy, Parallel Constraint Satisfaction, Decision-making	14, 4, 633-646	10.2507/IJSIMM14(4)6.315	Lu J. T., Yang N. D., Ye J. F., Liu X. G., Mahmood N. (2015). Connectionism Strategy for Industrial Accident-Oriented Emergency Decision-Making: A Simulation Study Based on PCS Model. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 633-646

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
11	Burinskiene, A.	Optimising Forklift Activities in Wide-Aisle Reference Warehouse	Warehouse, Forklifts, Routing, Simulation, Performance Analysis	14, 4, 621-632	10.2507/IJSIMM14(4)5.312	Burinskiene A. (2015). Optimising Forklift Activities in Wide-Aisle Reference Warehouse. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 621-632
12	Cuesta, E.; Mantaras, D. A.; Luque, P.; Alvarez, B. J. & Muina, D.	Dynamic Deformations in Coordinate Measuring Arms Using Virtual Simulation	Coordinate Measuring Arms, Dynamic Deformations, Dynamic Simulation	14, 4, 609-620	10.2507/IJSIMM14(4)4.311	Cuesta E., Mantaras D. A., Luque P., Alvarez B. J., Muina D. (2015). Dynamic Deformations in Coordinate Measuring Arms Using Virtual Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 609-620
13	Barlas, P.; Heavey, C. & Dagkakis, G.	An Open Source Tool for Automated Input Data in Simulation	Input Data Management, Discrete Event Simulation, Open Source, Core Manufacturing Simulation Data, Automation	14, 4, 596-608	10.2507/IJSIMM14(4)3.306	Barlas P., Heavey C., Dagkakis G. (2015). An Open Source Tool for Automated Input Data in Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 596-608
14	Vedenik, G. & Leber, M.	Change Management with the Aid of a Generic Model for Restructuring Business Processes	Change Management Model, Business Processes, Life Cycle, Pathological Problems, Simulation	14, 4, 584-595	10.2507/IJSIMM14(4)2.302	Vedenik G., Leber M. (2015). Change Management with the Aid of a Generic Model for Restructuring Business Processes. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 584-595
15	Klancnik, S.; Ficko, M.; Balic, J. & Pahole, I.	Computer Vision-Based Approach to End Mill Tool Monitoring	Manufacturing System, Computer Vision, Machine Vision, k-Nearest Neighbours, End Mill Tool, Neural Network	14, 4, 571-583	10.2507/IJSIMM14(4)1.301	Klancnik S., Ficko M., Balic J., Pahole I. (2015). Computer Vision-Based Approach to End Mill Tool Monitoring. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 4, p. 571-583
16	Yi, H. Y. & Guo, P.	Modelling Risk Coordination of Supply Chains with Put Option Contracts and Selective Return Policies	Risk-Averse, Put Option, Selective Buyback Contract, Supply Chain Coordination	14, 3, 551-562	10.2507/IJSIMM14(3)CO15	Yi H. Y., Guo P. (2015). Modelling Risk Coordination of Supply Chains with Put Option Contracts and Selective Return Policies. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 551-562
17	Wu, G.-D. & Tang, D.-Z.	Inter-Organizational Cooperative Innovation of Project-Based Supply Chains under Consideration of Monitoring Signals	Project-Based Supply Chain, Cooperative Innovation, Monitoring Signal	14, 3, 539-550	10.2507/IJSIMM14(3)CO14	Wu G.-D., Tang D.-Z. (2015). Inter-Organizational Cooperative Innovation of Project-Based Supply Chains under Consideration of Monitoring Signals. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 539-550
18	Yang, K. W.; Zhang, P. L.; Ge, B. F. & Dou, Y. J.	A Variables Clustering Based Differential Evolution Algorithm to Solve Production Planning Problem	Weapons Production Planning, Multistage Stochastic Programming, Differential Evolution, Variable Clustering	14, 3, 525-538	10.2507/IJSIMM14(3)CO13	Yang K. W., Zhang P. L., Ge B. F., Dou Y. J. (2015). A Variables Clustering Based Differential Evolution Algorithm to Solve Production Planning Problem. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 525-538
19	Li, M.; Wu, C.; Zhang, L. & You, L.-N.	An Intuitionistic Fuzzy-TODIM Method to Solve Distributor Evaluation and Selection Problem	Distributor Evaluation and Selection, Evaluation and Selection Indicator System, Intuitionistic Fuzzy Set, TODIM, Prospect Theory	14, 3, 511-524	10.2507/IJSIMM14(3)CO12	Li M., Wu C., Zhang L., You L.-N. (2015). An Intuitionistic Fuzzy-TODIM Method to Solve Distributor Evaluation and Selection Problem. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 511-524
20	Zhu, X. N.; Yan, R. & Zhang, Q.	A Promoted Hybrid Heuristic Algorithm for Two-Dimensional Multi-Depots Vehicle Routing Problem	Vehicle Routing, Multi-Depots, Two-Dimensional Packing, Quantum-Behaved Particle Swarm Optimization, Exploration Heuristic Local Search	14, 3, 499-510	10.2507/IJSIMM14(3)CO11	Zhu X. N., Yan R., Zhang Q. (2015). A Promoted Hybrid Heuristic Algorithm for Two-Dimensional Multi-Depots Vehicle Routing Problem. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 499-510
21	Bendato, I.; Cassettari, L.; Mosca, M.; Mosca, R. & Rolando, F.	New Markets Forecast and Dynamic Production Redesign Through Stochastic Simulation	Sales Forecast, Production Redesign, Discrete Event Simulation, Monte Carlo Simulation, Response Surface Methodology	14, 3, 485-498	10.2507/IJSIMM14(3)10.307	Bendato I., Cassettari L., Mosca M., Mosca R., Rolando F. (2015). New Markets Forecast and Dynamic Production Redesign Through Stochastic Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 485-498
22	Seo, J. C.; Chung, Y. H. & Park, S. C.	On-Time Delivery Achievement of High Priority Orders in Order-Driven Fabrications	Dispatching Rules, Factory Simulation, FAB, Job Shop Scheduling, On-Time Delivery	14, 3, 475-484	10.2507/IJSIMM14(3)9.305	Seo J. C., Chung Y. H., Park S. C. (2015). On-Time Delivery Achievement of High Priority Orders in Order-Driven Fabrications. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 475-484
23	Zhou, X.	Competition or Cooperation: a Simulation of the Price Strategy of Ports	Port, Competition, Cooperation, Hotelling Model	14, 3, 463-474	10.2507/IJSIMM14(3)8.303	Zhou X. (2015). Competition or Cooperation: a Simulation of the Price Strategy of Ports. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 463-474
24	Aydemir, E. & Koruca, H. I.	A New Production Scheduling Module Using Priority-Rule Based Genetic Algorithm	Simulation, Scheduling, Priority Rules, Genetic Algorithm, Faborg-Sim	14, 3, 450-462	10.2507/IJSIMM14(3)7.299	Aydemir E., Koruca H. I. (2015). A New Production Scheduling Module Using Priority-Rule Based Genetic Algorithm. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 450-462
25	Lv, Z.-L.; Tang, B.-P.; Zhou, Y. & Zhou, C.-D.	A Novel Fault Diagnosis Method for Rotating Machinery Based on EEMD and MCKD	Maximum Correlated Kurtosis Deconvolution (MCKD), Incipient Fault Enhancement, Fault Feature Extraction	14, 3, 438-449	10.2507/IJSIMM14(3)6.298	Lv Z.-L., Tang B.-P., Zhou Y., Zhou C.-D. (2015). A Novel Fault Diagnosis Method for Rotating Machinery Based on EEMD and MCKD. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 438-449
26	Chang, B. H.; Yin, J. P.; Cui, Z. Q. & Liu, T. X.	Numerical Simulation of Modified Low-Density Jet Penetrating Shell Charge	Explosive Mechanics, Numerical Simulation, Finite Element Model, Low-Density Jet	14, 3, 426-437	10.2507/IJSIMM14(3)5.295	Chang B. H., Yin J. P., Cui Z. Q., Liu T. X. (2015). Numerical Simulation of Modified Low-Density Jet Penetrating Shell Charge. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 426-437
27	Yanda, H.; Ghani, J. A.; Rizal, M. & Che Haron, C. H.	Performance of Uncoated and Coated Carbide Tools in Turning FCD700 Using FEM Simulation	Multi-Layer Coated Carbide Tools, Finite Element Analysis, FCD700 Ductile Cast Iron, Turning	14, 3, 416-425	10.2507/IJSIMM14(3)4.286	Yanda H., Ghani J. A., Rizal M., Che Haron C. H. (2015). Performance of Uncoated and Coated Carbide Tools in Turning FCD700 Using FEM Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 416-425
28	Harih, G.; Borovinsek, M.; Ren, Z. & Dolsak, B.	Optimal Products' Hand-Handle Interface Parameter Identification	Ergonomics, Product Development, Foam Material, Computer Simulations, Finite Element Method, Optimisation	14, 3, 404-415	10.2507/IJSIMM14(3)3.285	Harih G., Borovinsek M., Ren Z., Dolsak B. (2015). Optimal Products' Hand-Handle Interface Parameter Identification. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 404-415
29	Zuperl, U. & Cus, F.	Simulation and Visual Control of Chip Size for Constant Surface Roughness	Ball-End Milling, Chip Size, Visual Control, Surface Roughness, Simulation, ANFIS	14, 3, 392-403	10.2507/IJSIMM14(3)2.282	Zuperl U., Cus F. (2015). Simulation and Visual Control of Chip Size for Constant Surface Roughness. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 392-403

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
30	Tadic, B.; Todorovic, P.; Novkinic, B.; Buchmeister, B.; Radenkovic, M.; Budak, I. & Vukelic, D.	Fixture Layout Design Based on a Single-Surface Clamping with Local Deformation	Fixture, Machining, Locating, Clamping	14, 3, 379-391	10.2507/IJSIMM14(3)1.280	Tadic B., Todorovic P., Novkinic B., Buchmeister B., Radenkovic M., Budak I., Vukelic D. (2015). Fixture Layout Design Based on a Single-Surface Clamping with Local Deformation. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 3, p. 379-391
31	Liu, C. H. & Xiong, W.	Modelling and Simulation of Quality Risk Forecasting in a Supply Chain	Quality Risks, Chaos Particle Swarm Optimization, Support Vector Machines, Forecast Modelling, Supply Chain, House of Quality, Quality Function	14, 2, 359-370	10.2507/IJSIMM14(2)CO10	Liu C. H., Xiong W. (2015). Modelling and Simulation of Quality Risk Forecasting in a Supply Chain. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 359-370
32	Feng, X.; Gan, T.; Wang, X.; Sun, Q. & Ma, F.	Feedback Analysis of Interaction between Urban Densities and Travel Mode Split	Urban Densities, Travel Mode Split, Radial Basis Function Neural Network, Feedback Simulation Modelling, Sustainable Urban Transport	14, 2, 349-358	10.2507/IJSIMM14(2)CO9	Feng X., Gan T., Wang X., Sun Q., Ma F. (2015). Feedback Analysis of Interaction between Urban Densities and Travel Mode Split. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 349-358
33	Pang, Q. H.; Wu, X. Y.; Tan, M. L. & Cao, X. Y.	Supply Chain Coordination Using Revenue-Sharing Contract with Distributor's Effort Dependent Demand	Supply Chain Coordination, Revenue-Sharing Contract, Effort, Quantity Discount	14, 2, 335-348	10.2507/IJSIMM14(2)CO8	Pang Q. H., Wu X. Y., Tan M. L., Cao X. Y. (2015). Supply Chain Coordination Using Revenue-Sharing Contract with Distributor's Effort Dependent Demand. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 335-348
34	Xu, R. G.	Multiple Traffic Jams in Full Velocity Difference Model with Reaction-Time Delay	Full Velocity Difference Model, Reaction-Time Delay, Stability, Bifurcation, Numerical Continuation, Traffic Patterns	14, 2, 325-334	10.2507/IJSIMM14(2)CO7	Xu R. G. (2015). Multiple Traffic Jams in Full Velocity Difference Model with Reaction-Time Delay. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 325-334
35	Zhang, H. P.	An Agent-Based Simulation Model for Supply Chain Collaborative Technological Innovation Diffusion	Agent-Based Model, Collaborative Technological Innovation, Supply Chain, China	14, 2, 313-324	10.2507/IJSIMM14(2)CO6	Zhang H. P. (2015). An Agent-Based Simulation Model for Supply Chain Collaborative Technological Innovation Diffusion. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 313-324
36	Carmen, R.; Defraeye, M. & Van Nieuwenhuysse, I.	A Decision Support System for Capacity Planning in Emergency Departments	Healthcare Management, Emergency Department, Patient Flow, Capacity Planning, Decision Support System	14, 2, 299-312	10.2507/IJSIMM14(2)10.308	Carmen R., Defraeye M., Van Nieuwenhuysse I. (2015). A Decision Support System for Capacity Planning in Emergency Departments. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 299-312
37	Nguyen, D. M.	A New Application Model of Lean Management in Small and Medium Sized Enterprises	Lean Management, Simulation, SMEs, "Tam the"	14, 2, 289-298	10.2507/IJSIMM14(2)9.304	Nguyen D. M. (2015). A New Application Model of Lean Management in Small and Medium Sized Enterprises. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 289-298
38	Bao, X. & Jiang, Y. P.	The Effect of Loss-Averse Behaviour on Capacity Portfolio Planning for Power Systems	Capacity Portfolio, Loss-Averse, Uncertain Demand, Newsvendor Model	14, 2, 278-288	10.2507/IJSIMM14(2)8.300	Bao X., Jiang Y. P. (2015). The Effect of Loss-Averse Behaviour on Capacity Portfolio Planning for Power Systems. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 278-288
39	Ahmed, R. & Shah, M.	Exploring the Context and Practices of Expert Simulation Modellers	Simulation Practice, Simulation Context, Contextual Factors, Modelling Process	14, 2, 265-277	10.2507/IJSIMM14(2)7.297	Ahmed R., Shah M. (2015). Exploring the Context and Practices of Expert Simulation Modellers. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 265-277
40	Cajal, C.; Santolaria, J.; Samper, D. & Garrido, A.	Simulation of Laser Triangulation Sensors Scanning for Design and Evaluation Purposes	Sensors, Scanning, Digitalization, Industrial vision, Simulation	14, 2, 250-264	10.2507/IJSIMM14(2)6.296	Cajal C., Santolaria J., Samper D., Garrido A. (2015). Simulation of Laser Triangulation Sensors Scanning for Design and Evaluation Purposes. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 250-264
41	Ternik, P. & Buchmeister, J.	Buoyancy-Induced Flow and Heat Transfer of Power Law Fluids in a Side Heated Square Cavity	Laminar Natural Convection, Differentially Heated Cavity, Mean Nusselt Number, Critical Rayleigh Number, Numerical Modelling	14, 2, 238-249	10.2507/IJSIMM14(2)5.293	Ternik P., Buchmeister J. (2015). Buoyancy-Induced Flow and Heat Transfer of Power Law Fluids in a Side Heated Square Cavity. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 238-249
42	Acko, B.; Brezovnik, S.; Crepinsek Lipus, L. & Klobucar, R.	Verification of Statistical Calculations in Interlaboratory Comparisons by Simulating Input Datasets	Interlaboratory Comparison, Validation Software, Performance Metrics, Verification, Simulation	14, 2, 227-237	10.2507/IJSIMM14(2)4.288	Acko B., Brezovnik S., Crepinsek Lipus L., Klobucar R. (2015). Verification of Statistical Calculations in Interlaboratory Comparisons by Simulating Input Datasets. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 227-237
43	Baesler, F.; Gatica, J. & Correa, R.	Simulation Optimisation for Operating Room Scheduling	Simulation Optimisation, Simulated Annealing, Operating Room, Scheduling	14, 2, 215-226	10.2507/IJSIMM14(2)3.287	Baesler F., Gatica J., Correa R. (2015). Simulation Optimisation for Operating Room Scheduling. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 215-226
44	Moreno, J. R.; Mula, J. & Campuzano-Bolarin, F.	Increasing the Equity of a Flower Supply Chain by Improving Order Management and Supplier Selection	Order Management, Financial Management, Supplier Selection, Systems Dynamics, Simulation	14, 2, 201-214	10.2507/IJSIMM14(2)2.284	Moreno J. R., Mula J., Campuzano-Bolarin F. (2015). Increasing the Equity of a Flower Supply Chain by Improving Order Management and Supplier Selection. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 201-214
45	Veg, E.; Veg, A.; Sinikovic, G.; Andrejevic, R. & Gubelj, N.	Design of Coupled Slider Crank Mechanism for Orbiting Motion	Orbiting Mechanism, Shaking Function, Fluid Stirring, Simulated Motion	14, 2, 189-200	10.2507/IJSIMM14(2)1.283	Veg E., Veg A., Sinikovic G., Andrejevic R., Gubelj N. (2015). Design of Coupled Slider Crank Mechanism for Orbiting Motion. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 2, p. 189-200
46	He, L. X. & He, S. H.	Solving Water Resource Scheduling Problem through an Improved Artificial Fish Swarm Algorithm	Water Sources Scheduling, Supply Chain Management, Artificial Fish Swarm Algorithm, Adaptive Strategy	14, 1, 170-181	10.2507/IJSIMM14(1)CO5	He L. X., He S. H. (2015). Solving Water Resource Scheduling Problem through an Improved Artificial Fish Swarm Algorithm. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 170-181
47	Lu, X.-C. & Wang, H.-N.	The Laptop Spare Parts Studying under Considering Users' Repair Willingness	Laptop Spare Parts, Users' Repair Willingness, Poisson Process	14, 1, 158-169	10.2507/IJSIMM14(1)CO4	Lu X.-C., Wang H.-N. (2015). The Laptop Spare Parts Studying under Considering Users' Repair Willingness. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 158-169
48	Wu, W.; Li, P. K. & Zhang, Y.	Modelling and Simulation of Vehicle Speed Guidance in Connected Vehicle Environment	Traffic Simulation, Speed Guidance, Connected Vehicle, Signalized Intersections	14, 1, 145-157	10.2507/IJSIMM14(1)CO3	Wu W., Li P. K., Zhang Y. (2015). Modelling and Simulation of Vehicle Speed Guidance in Connected Vehicle Environment. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 145-157

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
49	Su, J. F.; Yang, Y.; Yang, T.; Zhang, X. F. & Liu, L.	Simulation of Conflict Contagion in Customer Collaborative Product Innovation	Customer Collaborative Product Innovation, Conflict, Conflict Contagion, Cellular Automata, Conflict-SIS Model	14, 1, 134-144	10.2507/IJSIMM14(1)CO2	Su J. F., Yang Y., Yang T., Zhang X. F., Liu L. (2015). Simulation of Conflict Contagion in Customer Collaborative Product Innovation. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 134-144
50	Lai, X. D.; Wu, G.-D.; Shi, J. G.; Wang, H. M. & Kong, Q. S.	Project Value-Adding Optimization of Project-Based Supply Chain under Dynamic Reputation Incentives	Project-Based Supply Chain, Reputation Incentives, Project Control Objective, Project Value-Adding	14, 1, 121-133	10.2507/IJSIMM14(1)CO1	Lai X. D., Wu G.-D., Shi J. G., Wang H. M., Kong Q. S. (2015). Project Value-Adding Optimization of Project-Based Supply Chain under Dynamic Reputation Incentives. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 121-133
51	Mantaras, D. A. & Luque, P.	Assessing Motorcyclist Protection Systems Using Finite Element Simulations	Finite Element, Motorcyclist Protection, Roadside Safety	14, 1, 110-120	10.2507/IJSIMM14(1)10.294	Mantaras D. A., Luque P. (2015). Assessing Motorcyclist Protection Systems Using Finite Element Simulations. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 110-120
52	Hassine, H.; Barkallah, M.; Bellacicco, A.; Louati, J.; Riviere, A. & Haddar, M.	Multi Objective Optimization for Sustainable Manufacturing, Application in Turning	Sustainable Manufacturing, Multi Objective Optimization, Particle Swarm Optimization, Turning	14, 1, 98-109	10.2507/IJSIMM14(1)9.292	Hassine H., Barkallah M., Bellacicco A., Louati J., Riviere A., Haddar M. (2015). Multi Objective Optimization for Sustainable Manufacturing, Application in Turning. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 98-109
53	Kim, S.; Lee, W. & Kim, D.	One-Step Distortion Simulation of Pulsed Laser Welding with Multi-Physics Information	Pulsed Laser Welding, Multi-Physics Analysis, Welding Distortion, Nuclear Fuel Spacer Grid, Finite Element Analysis	14, 1, 85-97	10.2507/IJSIMM14(1)8.291	Kim S., Lee W., Kim D. (2015). One-Step Distortion Simulation of Pulsed Laser Welding with Multi-Physics Information. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 85-97
54	Jerbic, B.; Nikolic, G.; Chudy, D.; Svaco, M. & Sekoranja, B.	Robotic Application in Neurosurgery Using Intelligent Visual and Haptic Interaction	Neurosurgery, Robotics, Preoperative Planning, RONNA	14, 1, 71-84	10.2507/IJSIMM14(1)7.290	Jerbic B., Nikolic G., Chudy D., Svaco M., Sekoranja B. (2015). Robotic Application in Neurosurgery Using Intelligent Visual and Haptic Interaction. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 71-84
55	Seebacher, G.; Winkler, H. & Oberegger, B.	In-Plant Logistics Efficiency Valuation Using Discrete Event Simulation	In-Plant Logistics Efficiency, Efficiency Valuation, Discrete Event Simulation	14, 1, 60-70	10.2507/IJSIMM14(1)6.289	Seebacher G., Winkler H., Oberegger B. (2015). In-Plant Logistics Efficiency Valuation Using Discrete Event Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 60-70
56	Lerher, T.; Ekren, Y. B.; Sari, Z. & Rosi, B.	Simulation Analysis of Shuttle Based Storage and Retrieval Systems	Automated Warehouse, Shuttle Based Storage and Retrieval System, Discrete Event Simulation, Performance Analysis	14, 1, 48-59	10.2507/IJSIMM14(1)5.281	Lerher T., Ekren Y. B., Sari Z., Rosi B. (2015). Simulation Analysis of Shuttle Based Storage and Retrieval Systems. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 48-59
57	Gusel, L.; Rudolf, R. & Brezocnik, M.	Genetic Based Approach to Predicting the Elongation of Drawn Alloy	Genetic Programming, Prediction, Metal Forming, Elongation, Copper Alloy	14, 1, 39-47	10.2507/IJSIMM14(1)4.277	Gusel L., Rudolf R., Brezocnik M. (2015). Genetic Based Approach to Predicting the Elongation of Drawn Alloy. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 39-47
58	Tahriri, F.; Mousavi, M.; Yap, H. J.; Siti Zawiah, M. D. & Taha, Z.	Optimizing the Robot Arm Movement Time Using Virtual Reality Robotic Teaching System	Robot Traveling Time, Virtual Reality, Robotics, Teaching System, Optimization, Flexible Manufacturing System	14, 1, 28-38	10.2507/IJSIMM14(1)3.273	Tahriri F., Mousavi M., Yap H. J., Siti Zawiah M. D., Taha Z. (2015). Optimizing the Robot Arm Movement Time Using Virtual Reality Robotic Teaching System. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 28-38
59	Ho, Y.-L.	Staged Improvement of Delivery-Oriented Production	Delivery-Oriented, System Dynamics, Improvement, Shortage	14, 1, 17-27	10.2507/IJSIMM14(1)2.272	Ho Y.-L. (2015). Staged Improvement of Delivery-Oriented Production. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 17-27
60	Munoz, P.; Castano, B. & R-Moreno, M. D.	Simulation of the Hexapod Robot PTinto Walking on Irregular Surfaces	Walking Robots, Hexapod, Movements Simulation, Irregular Surfaces	14, 1, 5-16	10.2507/IJSIMM14(1)1.269	Munoz P., Castano B., R-Moreno M. D. (2015). Simulation of the Hexapod Robot PTinto Walking on Irregular Surfaces. <i>Int. Journal of Simulation Modelling</i> , Vol. 14, No. 1, p. 5-16
1	Huang, X. W.; Zhao, X. Y. & Ma, X. L.	An Improved Genetic Algorithm for Job-Shop Scheduling Problem with Process Sequence Flexibility	Process Sequence Flexibility, Job Shop Scheduling, Genetic Algorithm	13, 4, 510-522	10.2507/IJSIMM13(4)CO20	Huang X. W., Zhao X. Y., Ma X. L. (2014). An Improved Genetic Algorithm for Job-Shop Scheduling Problem with Process Sequence Flexibility. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 4, p. 510-522
2	Huang, Y.-M.; Liu, L. & Qi, E.-S.	Simulation on the Complementary Product Strategy Based on the Cournot-Bertrand Mixed Game Model	Complementary Product, Cournot-Bertrand Mixed Model, Dynamic Simulation, Chaos	13, 4, 497-509	10.2507/IJSIMM13(4)CO19	Huang Y.-M., Liu L., Qi E.-S. (2014). Simulation on the Complementary Product Strategy Based on the Cournot-Bertrand Mixed Game Model. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 4, p. 497-509
3	Chen, Y.-X. & Song, Y.	Emergency Response Capability Assessment of Emergency Supply Chain Coordination Mechanism Based on Hesitant Fuzzy Information	Emergency Supply Chain Coordination Mechanism, Emergency Response Capability Assessment, Hesitant Fuzzy Information	13, 4, 485-496	10.2507/IJSIMM13(4)CO18	Chen Y.-X., Song Y. (2014). Emergency Response Capability Assessment of Emergency Supply Chain Coordination Mechanism Based on Hesitant Fuzzy Information. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 4, p. 485-496
4	Yu, G. D.; Yang, Y.; Zhao, X. & Li, G.	Multi-Objective Rescheduling Model for Product Collaborative Design Considering Disturbance	Product Collaborative Design, Rescheduling Problem, Disturbance, Multi-Objective Optimization, Algorithm	13, 4, 472-484	10.2507/IJSIMM13(4)CO17	Yu G. D., Yang Y., Zhao X., Li G. (2014). Multi-Objective Rescheduling Model for Product Collaborative Design Considering Disturbance. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 4, p. 472-484
5	Xu, W.-X.; Fan, Y.-H. & Zhang, J.-X.	Association Rules Algorithm and Its Application in the Maintenance of the Tunnel	Data Mining, Association Rule, Frequent Itemsets, FP-Tree, Tunnel Safety Issue	13, 4, 458-471	10.2507/IJSIMM13(4)CO16	Xu W.-X., Fan Y.-H., Zhang J.-X. (2014). Association Rules Algorithm and Its Application in the Maintenance of the Tunnel. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 4, p. 458-471
6	Kremljak, Z.; Palcic, I. & Kafol, C.	Project Evaluation Using Cost-Time Investment Simulation	Project, Activity, Slack Time, Cost-Time Profile, Investment	13, 4, 447-457	10.2507/IJSIMM13(4)5.279	Kremljak Z., Palcic I., Kafol C. (2014). Project Evaluation Using Cost-Time Investment Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 4, p. 447-457
7	Herakovic, N.; Metlikovic, P. & Debevec, M.	Motivational Lean Game to Support Decision between Push and Pull Production Strategy	Lean Game, Push, Pull, Production Optimization, Virtual Factory, Production Simulation	13, 4, 433-446	10.2507/IJSIMM13(4)4.275	Herakovic N., Metlikovic P., Debevec M. (2014). Motivational Lean Game to Support Decision between Push and Pull Production Strategy. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 4, p. 433-446

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
8	Kausalyah, V.; Shasthri, S.; Abdullah, K. A.; Idres, M. M.; Shah, Q. H. & Wong, S. V.	Development of Economical Vehicle Model for Pedestrian-Friendly Front-End Profile Study	Pedestrian Protection, Deformable Hybrid Vehicle Model, Validation, Optimization Friendly Model	13, 4, 419-432	10.2507/IJSIMM13(4)3.270	Kausalyah V., Shasthri S., Abdullah K. A., Idres M. M., Shah Q. H., Wong S. V. (2014). Development of Economical Vehicle Model for Pedestrian-Friendly Front-End Profile Study. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 4, p. 419-432
9	Vujica Herzog, N.; Vujica Beharic, R.; Beharic, A. & Buchmeister, B.	Ergonomic Analysis of Ophthalmic Nurse Workplace Using 3D Simulation	Ergonomic Analysis, Computer Simulation, OWAS Method, Workplace Design, Ophthalmic Nurse	13, 4, 409-418	10.2507/IJSIMM13(4)2.265	Vujica Herzog N., Vujica Beharic R., Beharic A., Buchmeister B. (2014). Ergonomic Analysis of Ophthalmic Nurse Workplace Using 3D Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 4, p. 409-418
10	Ham, W. K.; Kwon, Y. & Park, S. C.	Combat Simulation Framework Including Continuous Detection System	Continuous-State System, Discrete-Event System, Engagement Simulation, Glimpse Probability, High-Level Architecture, Synthetic Environment	13, 4, 395-408	10.2507/IJSIMM13(4)1.262	Ham W. K., Kwon Y., Park S. C. (2014). Combat Simulation Framework Including Continuous Detection System. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 4, p. 395-408
11	Fang, D. J. & Li, C.	Simulation-Based Hybrid Approach to Robust Multi-Echelon Inventory Policies for Complex Distribution Networks	Simulation, Metaheuristic, Evolutionary Algorithms, Inventory Policies, Distribution Network	13, 3, 377-387	10.2507/IJSIMM13(3)CO15	Fang D. J., Li C. (2014). Simulation-Based Hybrid Approach to Robust Multi-Echelon Inventory Policies for Complex Distribution Networks. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 3, p. 377-387
12	Li, M.; Wu, G.-D. & Lai, X. D.	Capacity Coordination Mechanism for Supply Chain under Supply-Demand Uncertainty	Capacity Coordination, Supply Uncertainty, Demand Uncertainty, Contract Coordination	13, 3, 364-376	10.2507/IJSIMM13(3)CO14	Li M., Wu G.-D., Lai X. D. (2014). Capacity Coordination Mechanism for Supply Chain under Supply-Demand Uncertainty. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 3, p. 364-376
13	Pan, R.; Zhang, W.; Yang, S. & Xiao, Y.	A State Entropy Model Integrated with BSC and ANP for Supplier Evaluation and Selection	State Entropy, Supplier Evaluation, Analytic Network Process, Balanced Scorecard	13, 3, 348-363	10.2507/IJSIMM13(3)CO13	Pan R., Zhang W., Yang S., Xiao Y. (2014). A State Entropy Model Integrated with BSC and ANP for Supplier Evaluation and Selection. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 3, p. 348-363
14	Zhang, Y.; Rong, Z. & Liu, Z.-X.	The Integrated Scheduling Problem in Container Terminal with Dual-Cycle Operation	Container Operation System, Dual-Cycle Operation, Scheduling, Heuristics	13, 3, 335-347	10.2507/IJSIMM13(3)CO12	Zhang Y., Rong Z., Liu Z.-X. (2014). The Integrated Scheduling Problem in Container Terminal with Dual-Cycle Operation. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 3, p. 335-347
15	Deng, X.-Y.	A Parallel Optimization Algorithm for Steel Plate Pick-Up Operation Scheduling Problem	Operation Scheduling, Parallel Optimization, Parallel Genetic Algorithm, Steel Plate Pick-Up Operation	13, 3, 323-334	10.2507/IJSIMM13(3)CO11	Deng X.-Y. (2014). A Parallel Optimization Algorithm for Steel Plate Pick-Up Operation Scheduling Problem. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 3, p. 323-334
16	Ternik, P. & Rudolf, R.	Laminar Forced Convection Heat Transfer Characteristics from a Heated Cylinder in Water Based Nanofluids	Laminar Flow, Circular Cylinder, Nusselt Number, Heat Transfer Rate Enhancement, Numerical Modelling	13, 3, 312-322	10.2507/IJSIMM13(3)5.271	Ternik P., Rudolf R. (2014). Laminar Forced Convection Heat Transfer Characteristics from a Heated Cylinder in Water Based Nanofluids. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 3, p. 312-322
17	Ravnik, J.; Hribersek, M.; Vogel, F. & Steinmann, P.	Numerical Simulation of Particle Movement in Cellular Flows under the Influence of Magnetic Forces	Dispersed Two Phase Flow, Lagrangian Particle Tracking, Magnetic Force, Hydrodynamic Forces, Cellular Flow	13, 3, 300-311	10.2507/IJSIMM13(3)4.268	Ravnik J., Hribersek M., Vogel F., Steinmann P. (2014). Numerical Simulation of Particle Movement in Cellular Flows under the Influence of Magnetic Forces. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 3, p. 300-311
18	Kim, S. T.; Hong, S. R. & Kim, C. O.	Product Attribute Design Using an Agent-Based Simulation of an Artificial Market	Product Attribute Design, Agent-Based Simulation, Artificial Market, Product Diffusion, Genetic Algorithm	13, 3, 288-299	10.2507/IJSIMM13(3)3.266	Kim S. T., Hong S. R., Kim C. O. (2014). Product Attribute Design Using an Agent-Based Simulation of an Artificial Market. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 3, p. 288-299
19	Adeyemo, J. A. & Olofintoye, O. O.	Evaluation of Combined Pareto Multiobjective Differential Evolution on Tuneable Problems	Multi-Objective Optimization, Constraints, Differential Evolution, Tuneable Test Beds, Evolutionary Algorithms	13, 3, 276-287	10.2507/IJSIMM13(3)2.264	Adeyemo J. A., Olofintoye O. O. (2014). Evaluation of Combined Pareto Multiobjective Differential Evolution on Tuneable Problems. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 3, p. 276-287
20	Costantino, F.; Di Gravio, G.; Shaban, A. & Tronci, M.	Inventory Control System Based on Control Charts to Improve Supply Chain Performances	Multi-Echelon Supply Chain, Inventory Control System, Bullwhip Effect, Inventory Variance, Control Chart, Simulation	13, 3, 263-275	10.2507/IJSIMM13(3)1.263	Costantino F., Di Gravio G., Shaban A., Tronci M. (2014). Inventory Control System Based on Control Charts to Improve Supply Chain Performances. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 3, p. 263-275
21	Wang, C.; Liu, X.-B.; Zhao, G.-Z. & Chin, K. O.	Multi-Objective Integrated Production Planning Model and Simulation Constrained Doubly by Resources and Materials	Integrated Production Planning, Multi-Objective Optimization, Optimization Model, Resources, Materials, Simulation	13, 2, 243-254	10.2507/IJSIMM13(2)CO10	Wang C., Liu X.-B., Zhao G.-Z., Chin K. O. (2014). Multi-Objective Integrated Production Planning Model and Simulation Constrained Doubly by Resources and Materials. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 2, p. 243-254
22	Wu, Z.	Optimization of Distribution Route Selection Based on Particle Swarm Algorithm	Supply chain, Logistics and Distribution, PSO	13, 2, 230-242	10.2507/IJSIMM13(2)CO9	Wu Z. (2014). Optimization of Distribution Route Selection Based on Particle Swarm Algorithm. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 2, p. 230-242
23	Chen, D. S.; Yu, X. X.; Hu, K. Q.; Sun, X. & Xia, Y. Y.	Safety-Oriented Speed Guidance of Urban Expressway under Model Predictive Control	Urban Expressway, Speed Guidance Control, Conflict Analysis, Log-Linear Model, Model Predictive Control	13, 2, 219-229	10.2507/IJSIMM13(2)CO8	Chen D. S., Yu X. X., Hu K. Q., Sun X., Xia Y. Y. (2014). Safety-Oriented Speed Guidance of Urban Expressway under Model Predictive Control. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 2, p. 219-229
24	Feng, X.; Wang, X. & Zhang, H.	Passenger Transfer Efficiency Optimization Modelling Research with Simulations	Passenger Transfer Waiting Time, Urban Rail Transport Station, Train Arrival and Departure Time, Optimization Modelling, Simulation Analysis	13, 2, 210-218	10.2507/IJSIMM13(2)CO7	Feng X., Wang X., Zhang H. (2014). Passenger Transfer Efficiency Optimization Modelling Research with Simulations. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 2, p. 210-218
25	Li, M.; Chen, X. & Zhen, P.	An Approach to Dynamic Simulation of Industrial Safety Management	Industrial Safety, Industrial Safety Management, Simulation	13, 2, 195-209	10.2507/IJSIMM13(2)CO6	Li M., Chen X., Zhen P. (2014). An Approach to Dynamic Simulation of Industrial Safety Management. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 2, p. 195-209
26	Zheng, W. M.; Jin, M. Z. & Ren, P. Y.	The Impact of Information Sharing on Congestion Using Agent-Based Simulation	Recreation Areas, Congestion, Information Sharing, Multi-Agent Simulation	13, 2, 183-194	10.2507/IJSIMM13(2)CO5	Zheng W. M., Jin M. Z., Ren P. Y. (2014). The Impact of Information Sharing on Congestion Using Agent-Based Simulation. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 2, p. 183-194

No.	Authors	Title	Key Words	Vol., No., pages	DOI link	Citation data
27	Dezelak, M.; Stepisnik, A.; Pahole, I. & Ficko, M.	Evaluation of Twist Springback Prediction After an AHSS Forming Process	Sheet Metal Forming, Twist Springback, FEM, Experiment	13, 2, 171-182	10.2507/IJSIMM13(2)4.261	Dezelak M., Stepisnik A., Pahole I., Ficko M. (2014). Evaluation of Twist Springback Prediction After an AHSS Forming Process. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 2, p. 171-182
28	Urbancic, T.; Kosmatin Fras, M.; Stopar, B. & Koler, B.	The Influence of the Input Parameters Selection on the RANSAC Results	RANSAC, Simulation, Input Parameters, Plane Model, Sphere Model	13, 2, 159-170	10.2507/IJSIMM13(2)3.258	Urbancic T., Kosmatin Fras M., Stopar B., Koler B. (2014). The Influence of the Input Parameters Selection on the RANSAC Results. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 2, p. 159-170
29	Cobanoglu, B.; Zengin, A.; Ekiz, H.; Celik, F.; Kiraz, A. & Kayaalp, F.	Implementation of DEVS Based Distributed Network Simulator for Large-Scale Networks	Distributed Network Simulator, Client / Server Architecture, Large-Scale Network, Simulation Tools, DEVS, D-DEVSNET	13, 2, 147-158	10.2507/IJSIMM13(2)2.257	Cobanoglu B., Zengin A., Ekiz H., Celik F., Kiraz A., Kayaalp F. (2014). Implementation of DEVS Based Distributed Network Simulator for Large-Scale. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 2, p. 147-158
30	Leber, M.; Weber, C.; Adam, F. & Leber, M.	Mobile Application as an Innovative Supply Chain Concept and the Impact of Social Capital	Social Capital, Virtual Factory, Supply Chain, End-User Integration, Order Course Simulation	13, 2, 135-146	10.2507/IJSIMM13(2)1.255	Leber M., Weber C., Adam F., Leber M. (2014). Mobile Application as an Innovative Supply Chain Concept and the Impact of Social Capital. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 2, p. 135-146
31	Lu, X. C.; Chen, Q. B. & Zhang, Z. J.	The Electric Vehicle Routing Optimizing Algorithm and the Charging Stations' Layout Analysis in Beijing	Electric Vehicles' Routing Optimizing, Multi-agent Simulation Model, Charging Stations Layout	13, 1, 116-127	10.2507/IJSIMM13(1)CO4	Lu X. C., Chen Q. B., Zhang Z. J. (2014). The Electric Vehicle Routing Optimizing Algorithm and the Charging Stations' Layout Analysis in Beijing. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 1, p. 116-127
32	Wu, G.-D.	Project-Based Supply Chain Cooperative Incentive Based on Reciprocity Preference	Project-Based Supply Chain, Reciprocity Preference, Cooperative Innovation	13, 1, 102-115	10.2507/IJSIMM13(1)CO3	Wu G.-D. (2014). Project-Based Supply Chain Cooperative Incentive Based on Reciprocity Preference. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 1, p. 102-115
33	Jian, C. F. & Wang, Y.	Batch Task Scheduling-Oriented Optimization Modelling and Simulation in Cloud Manufacturing	Cloud Manufacturing, Batch Task Scheduling, Improved Cooperative Particle Swarm Optimization	13, 1, 93-101	10.2507/IJSIMM13(1)CO2	Jian C. F., Wang Y. (2014). Batch Task Scheduling-Oriented Optimization Modelling and Simulation in Cloud Manufacturing. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 1, p. 93-101
34	Liu, S. & Gong, D.	Modelling and Simulation on Recycling of Electric Vehicle Batteries – Using Agent Approach	Electric Vehicle, Battery Recycling, Agent, Modelling, Simulation	13, 1, 79-92	10.2507/IJSIMM13(1)CO1	Liu S., Gong D. (2014). Modelling and Simulation on Recycling of Electric Vehicle Batteries – Using Agent Approach. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 1, p. 79-92
35	Debevec, M.; Simic, M. & Herakovic, N.	Virtual Factory as an Advanced Approach for Production Process Optimization	Virtual Factory, Unavailability of Resources, Modelling, Simulation, Optimization	13, 1, 66-78	10.2507/IJSIMM13(1)6.260	Debevec M., Simic M., Herakovic N. (2014). Virtual Factory as an Advanced Approach for Production Process Optimization. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 1, p. 66-78
36	Todorovic, P.; Vukelic, D.; Tadic, B.; Veljkovic, D.; Budak, I.; Macuzic, I. & Lalic, B.	Modelling of Dynamic Compliance of Fixture/Workpiece Interface	Fixture, Modelling, Compliance, Stiffness, Damping, Dynamic Load	13, 1, 54-65	10.2507/IJSIMM13(1)5.254	Todorovic P., Vukelic D., Tadic B., Veljkovic D., Budak I., Macuzic I., Lalic B. (2014). Modelling of Dynamic Compliance of Fixture/Workpiece Interface. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 1, p. 54-65
37	Zvar Baskovic, U., Lorenz, M. & Butala, V.	Adiabatic Flow Simulation in an Air-Conditioned Vehicle Passenger Compartment	Air-Velocity Field, Electric Vehicle, CFD Simulation, Near-Wall Numerical Approaches, Turbulent Flow Modelling, Geometry, Thermal Comfort Model	13, 1, 42-53	10.2507/IJSIMM13(1)4.253	Zvar Baskovic U., Lorenz M., Butala V. (2014). Adiabatic Flow Simulation in an Air-Conditioned Vehicle Passenger Compartment. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 1, p. 42-53
38	Hrelja, M.; Klančnik, S.; Balic, J. & Brezocnik, M.	Modelling of a Turning Process Using the Gravitational Search Algorithm	Machining, CNC Turning, Artificial Intelligence, Modelling, Gravitational Search Algorithm	13, 1, 30-41	10.2507/IJSIMM13(1)3.248	Hrelja M., Klančnik S., Balic J., Brezocnik M. (2014). Modelling of a Turning Process Using the Gravitational Search Algorithm. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 1, p. 30-41
39	Diez, M.; Mula, J. & Campuzano-Bolarin, F.	Improvement of a Distribution Network of a Direct Sale Cosmetics Supply Chain	Supply Chain Management, Distribution Management, Logistics, Simulation	13, 1, 16-29	10.2507/IJSIMM13(1)2.245	Diez M., Mula J., Campuzano-Bolarin F. (2014). Improvement of a Distribution Network of a Direct Sale Cosmetics Supply Chain. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 1, p. 16-29
40	Harih, G.	Decision Support System for Generating Ergonomic Tool-Handles	Ergonomics, Tool-Handle, Material Choice, Finite Element Method, Decision Support System	13, 1, 5-15	10.2507/IJSIMM13(1)1.234	Harih G. (2014). Decision Support System for Generating Ergonomic Tool-Handles. <i>Int. Journal of Simulation Modelling</i> , Vol. 13, No. 1, p. 5-15