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#	Authors	Paper title	2021, Vol(No), Pages, DOI	Key words	Citation data
398	Kovacic, M.; Leser, B.; Brezocnik, M.	Modelling and optimization of sulfur addition during 70MnVS4 steelmaking: An industrial case study	2021, 16(2), 253-261, 10.14743/apem2021.2.390	Metallurgy; Steelmaking; High-strength steel 70MnVS4; Microalloyed steel; Modelling; Optimization; Evolutionary algorithms; Genetic programming; Multiple linear regression	Kovacic, M.; Leser, B.; Brezocnik, M. (2021). Modelling and optimization of sulfur addition during 70MnVS4 steelmaking: An industrial case study, *Advances in Production Engineering & Management,* Vol. 16, No. 2, 253-261, https://doi.org/10.14743/apem2021.2.398
397	Wang, Y.J.; Wang, N.D.; Cheng, S.M.; Zhang, X.C.; Liu, H.Y.; Shi, J.L.; Ma, Q.Y.; Zhou, M.J.	Optimization of disassembly line balancing using an improved multi-objective Genetic Algorithm	2021, 16(2), 240-252, 10.14743/apem2021.2.397	Assembly; Disassembly; Line balancing; Multi-objective optimization; Remanufacturing; Product recovery; Product life cycle; NP-hard problem; Improved genetic algorithm	Wang, Y.J.; Wang, N.D.; Cheng, S.M.; Zhang, X.C.; Liu, H.Y.; Shi, J.L.; Ma, Q.Y.; Zhou, M.J. (2021). Optimization of disassembly line balancing using an improved multi-objective Genetic Algorithm, *Advances in Production Engineering & Management,* Vol. 16, No. 2, 240-252, https://doi.org/10.14743/apem2021.2.397
396	Zhang, Z.Y.; Liang, Y.; Hou, Y.P.; Wang, Q.	Designing a warehouse internal layout using a parabolic aisles based method	2021, 16(2), 223-239, 10.14743/apem2021.2.396	Layout design; Warehouse internal layout; Parabolic aisle layout; Layout efficiency; Simulation; Optimization; Interval numerical simulation method (INSM); Genetic algorithms (GA)	Zhang, Z.Y.; Liang, Y.; Hou, Y.P.; Wang, Q. (2021). Designing a warehouse internal layout using a parabolic aisles based method, Advances in Production Engineering & Management, Vol. 16, No. 2, 223-239, https://doi.org/10.14743/apem2021.2.396
395	Wang, L.; Chen, X.Y.; Zhang, H.	Joint distribution models in fast-moving consumer goods wholesale enterprise: Comparative analysis and a case study	2021, 16(2), 212-222, 10.14743/apem2021.2.395	Logistics; Joint distribution; Wholesale enterprise; Fast-moving consumer goods; Distribution models; Optimization	Wang, L.; Chen, X.Y.; Zhang, H. (2021). Joint distribution models in fast-moving consumer goods wholesale enterprise: Comparative analysis and a case study, *Advances in Production Engineering & Management*, Vol. 16, No. 2, 212-222, https://doi.org/10.14743/apem2021.2.395
394	Shakouri, E.; Haghighi Hassanalideh, H.; Fotuhi, S.	Bone drilling with internal gas cooling: Experimental and statistical investigation of the effect of cooling with CO2 on reduction of temperature rise due to drill bit wear	2021, 16(2), 199-211, 10.14743/apem2021.2.394	Bone; Drilling; Thermal necrosis; Tool wear; Internal gas cooling	Shakouri, E.; Haghighi Hassanalideh, H.; Fotuhi, S. (2021). Bone drilling with internal gas cooling: Experimental and statistical investigation of the effect of cooling with CO2 on reduction of temperature rise due to drill bit wear, Advances in Production Engineering & Management, Vol. 16, No. 2, 199-211, https://doi.org/10.14743/apem2021.2.394
393	Yang, W.M.; Li, C.D.; Chen, Y.H.; Yu, Y.Y.	Change impact analysis of complex product using an improved three-parameter interval grey relation model	2021, 16(2), 185-198, 10.14743/apem2021.2.393	Manufacturing; Engineering; Complex product; Change impact analysis; Three-parameter interval grey number; Grey relational model; BWM method (best-worst model); Gini weighting method	Yang, W.M.; Li, C.D.; Chen, Y.H.; Yu, Y.Y. (2021). Change impact analysis of complex product using an improved three-parameter interval grey relation model, *Advances in Production Engineering & Management,* Vol. 16, No. 2, 185-198, https://doi.org/10.14743/apem2021.2.393
392	Wang, Y.D.; Lu, X.C.; Shen, J.R.	Improved Genetic Algorithm (VNS-GA) using polar coordinate classification for workload balanced multiple Traveling Salesman Problem (mTSP)	2021, 16(2), 173-184, 10.14743/apem2021.2.392	Multiple traveling salesman problem (mTSP); Workload balance; Variable neighbourhood search algorithm (VNS); Genetic algorithm (GA); Polar coordinates; Classification	Wang, Y.D.; Lu, X.C.; Shen, J.R. (2021). Improved Genetic Algorithm (VNS-GA) using polar coordinate classification for workload balanced multiple Traveling Salesman Problem (mTSP), *Advances in Production Engineering & Management,* Vol. 16, No. 2, 173-184, https://doi.org/10.14743/apem2021.2.392
391	Fang, I.W.; Lin, W.-T.	A multi-objective optimal decision model for a green closed-loop supply chain under uncertainty: A real industrial case study	2021, 16(2), 161-172, 10.14743/apem2021.2.391	Green closed-loop supply chain; Sustainability; Modelling; Robust optimization; Mixed integer programming model; Supply chain management; Uncertainty; LP-metric method	Fang, I.W.; Lin, W.-T. (2021). A multi-objective optimal decision model for a green closed-loop supply chain under uncertainty: A real industrial case study, *Advances in Production Engineering & Management,* Vol. 16, No. 2, 161-172, https://doi.org/10.14743/apem2021.2.391
390	Agarwal, N.; Shrivastava, N.; Pradhan, M.K.	Hybrid ANFIS-Rao algorithm for surface roughness modelling and optimization in electrical discharge machining	2021, 16(2), 145-160, 10.14743/apem2021.2.390	Electrical-discharge machining (EDM); Titanium alloy; Surface roughness; Modelling; Optimization; Artificial neural networks (ANN); Adaptive neuro fuzzy inference system (ANFIS); Rao algorithm; Jaya algorithm	Agarwal, N.; Shrivastava, N.; Pradhan, M.K. (2021). Hybrid ANFIS-Rao algorithm for surface roughness modelling and optimization in electrical discharge machining, *Advances in Production Engineering & Management,* Vol. 16, No. 2, 145-160, https://doi.org/10.14743/apem2021.2.390
389	Patalas-Maliszewska, J.; Topczak, M.	A new management approach based on Additive Manufacturing technologies and Industry 4.0 requirements	2021, 16(1), 125-135, 10.14743/apem2021.1.389	Smart manufacturing; Industry 4.0; Additive Manufacturing (AM); 3D printing; Strategy; Management; Empirical research; Competitive advantage; Balanced scorecard	Patalas-Maliszewska, J.; Topczak, M. (2021). A new management approach based on Additive Manufacturing technologies and Industry 4.0 requirements, *Advances in Production Engineering & Management,* Vol. 16, No. 1, 125-135, https://doi.org/10.14743/apem2021.1.389
388	Sun, J.Z.; Zhang, Q.S.; Yu, Y.Y.	Optimization of a multi-objective location model of manufacturing base considering cooperative manufacturing capabilities and service benefits	2021, 16(1), 112-124, 10.14743/apem2021.1.388	Manufacturing base; Location model; Multi-objective model; Optimization; Decision-making; Customer demand preference; Collaborative manufacturing	Sun, J.Z.; Zhang, Q.S.; Yu, Y.Y. (2021). Optimization of a multi-objective location model of manufacturing base considering cooperative manufacturing capabilities and service benefits, *Advances in Production Engineering & Management,* Vol. 16, No. 1, 112-124, https://doi.org/10.14743/apem2021.1.388
387	Ciric, D.; Delic, M.; Lalic, B.; Gracanin, D.; Lolic, T.	Exploring the link between project management approach and project success dimensions: A structural model approach	2021, 16(1), 99-111, 10.14743/apem2021.1.387	Green production; Project management approach; Agile; Traditional; Project success; Structural-model approach	Ciric, D.; Delic, M.; Lalic, B.; Gracanin, D.; Lolic, T. (2021). Exploring the link between project management approach and project success dimensions: A structural model approach, *Advances in Production Engineering & Management,* Vol. 16, No. 1, 99-111, https://doi.org/10.14743/apem2021.1.387
386	Koppenhagen, F.; Held, T.	The implications of product modularisation on the development process, supplier integration and supply chain design in collaborative product development	2021, 16(1), 82-98, 10.14743/apem2021.1.386	Supply chain design; Robust value chains; Modularity; Product development; Complexity management; Awarding process; Supplier integration; Automotive industry	Koppenhagen, F.; Held, T. (2021). The implications of product modularisation on the development process, supplier integration and supply chain design in collaborative product development, *Advances in Production Engineering & Management,* Vol. 16, No. 1, 82-98, https://doi.org/10.14743/apem2021.1.386
385	Premrov, M.; Ber, B.; Kozem Silih, E.	Study of load-bearing timber-wall elements using experimental testing and mathematical modelling	2021, 16(1), 67-81, 10.14743/apem2021.1.385	Wall elements; Timber; Timber-glass building; Stiffness; Vibrations; Experiments; Modelling; Landers accelerogram	Premrov, M.; Ber, B.; Kozem Silih, E. (2021). Study of load-bearing timber-wall elements using experimental testing and mathematical modelling, *Advances in Production Engineering & Management,* Vol. 16, No. 1, 67-81, https://doi.org/10.14743/apem2021.1.385
384	Oztemel, E.; Ozel, S.	A conceptual model for measuring the competency level of Small and Medium-sized Enterprises (SMEs)	2021, 16(1), 47-66, 10.14743/apem2021.1.384	Small and medium-sized enterprises (SMEs); Competency assessment; Technological competency; Strategic competency; Financial competency; Intellectual competency; R&D and innovation competency; Smart manufacturing; Industry 4.0	Oztemel, E.; Ozel, S. (2021). A conceptual model for measuring the competency level of Small and Medium-sized Enterprises (SMEs), *Advances in Production Engineering & Management*, Vol. 16, No. 1, 47-66, https://doi.org/10.14743/apem2021.1.384
383	Shi, W.; Tang, D.B.; Zou, P.	Multi-objective automated guided vehicle scheduling based on MapReduce framework	2021, 16(1), 37-46, 10.14743/apem2021.1.383	Automated-guided vehicle(AGV); Scheduling; AGV scheduling; MapReduce; Path planning; A* search algorithm	Shi, W.; Tang, D.B.; Zou, P. (2021). Multi-objective automated guided vehicle scheduling based on MapReduce framework, *Advances in Production Engineering & Management*, Vol. 16, No. 1, 37-46, https://doi.org/10.14743/apem2021.1.383
382	Tian, W.; Zhang, H.P.	A dynamic job-shop scheduling model based on deep learning	2021, 16(1), 23-36, 10.14743/apem2021.1.3812	Long short-term memory (LSTM); Dynamic job-shop scheduling; Multi-objective genetic algorithm (MOGA); Adaptive moment estimation (ADAM)	Tian, W.; Zhang, H.P. (2021). A dynamic job-shop scheduling model based on deep learning, *Advances in Production Engineering & Management,* Vol. 16, No. 1, 23-36, https://doi.org/10.14743/apem2021.1.382

381	Duan, W.; Ma, H.; Xu, D.S.	Analysis of the impact of COVID-19 on the coupling of the material flow and capital flow in a closed-loop supply chain	2021, 16(1), 5-22, **10.14743/apem2021.1.381**	COVID-19 epidemic; Supply chain; Closed-loop supply chain; Material flow; Capital flow; Material-capital flows coupling; System dynamics; Simulation; Vensim simulation software	Duan, W.; Ma, H.; Xu, D.S. (2021). Analysis of the impact of COVID-19 on the coupling of the material flow and capital flow in a closed-loop supply chain, *Advances in Production Engineering & Management,* Vol. 16, No. 1, 5-22, https://doi.org/10.14743/apem2021.1.381

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380	Ojstersek, R.; Tang, M.; Buchmeister, B.	Due date optimization in multi-objective scheduling of flexible job shop production	2020, 15(4), 481-492, 10.14743/apem2020.4.380	Flexible job shop scheduling prob-lem (FJSSP); Due date; Makespan; Capacities utilization; Multi-objective optimization; Evolutionary computation; Multi-objective heuristic Kalman algorithm; Simio simulation and scheduling software	Ojstersek, R.; Tang, M.; Buchmeister, B. (2020). Due date optimization in multi-objective scheduling of flexible job shop production, *Advances in Production Engineering & Management*, Vol. 15, No. 4, 481-492, https://doi.org/10.14743/apem2020.4.380
379	Zywicki, K.; Rewers, P.	A simulation-based approach to study the influence of different production flows on manufacturing of customized products	2020, 15(4), 467-480, 10.14743/apem2020.4.379	Smart manufacturing; Production flow; Customized products; Variant products; Discrete-event simulation (DES); FlexSim simulation modeling and analysis software	Zywicki, K.; Rewers, P. (2020). A simulation-based approach to study the influence of different production flows on manufacturing of customized products, *Advances in Production Engineering & Management,* Vol. 15, No. 4, 467-480, https://doi.org/10.14743/apem2020.4.379
378	Hu, Y.S.; Zeng, L.H.; Huang, Z.L.; Cheng, Q.	Optimal channel decision of retailers in the dual-channel supply chain considering consumer preference for delivery lead time	2020, 15(4), 453-466, 10.14743/apem2020.4.378	Supply chain; Dual-channel; Consumer preference; Delivery lead time preference; Channel selection; Channel coordination	Hu, Y.S.; Zeng, L.H.; Huang, Z.L.; Cheng, Q. (2020). Optimal channel decision of retailers in the dual-channel supply chain considering consumer preference for delivery lead time, *Advances in Production Engineering & Management,* Vol. 15, No. 4, 453-466, https://doi.org/10.14743/apem2020.4.378
377	Petruska, O.; Zajac, J.; Duplakova, D.; Simkulet, V.; Duplak, J.; Botko, F.	Effect of glass and carbon fibres on the compressive and flexural strength of the polymer concrete composite	2020, 15(4), 441-452, 10.14743/apem2020.4.377	Concrete composite; Polymer concrete; Compressive strength; Flexural strength; Glass fibres; Carbon fibres	Petruska, O.; Zajac, J.; Duplakova, D.; Simkulet, V.; Duplak, J.; Botko, F. (2020). Effect of glass and carbon fibres on the compressive and flexural strength of the polymer concrete composite, *Advances in Production Engineering & Management,* Vol. 15, No. 4, 441-452, https://doi.org/10.14743/apem2020.4.377
376	Knapcikova, L.; Behunova, A.; Behun, M.	Using a discrete event simulation as an effective method applied in the production of recycled material	2020, 15(4), 431-440, 10.14743/apem2020.4.376	Green manufacturing; Recycling; Waste tyres; Discrete event simulation; Witness simulation software; Economic impact; Efficiency; Ultrasonic separation	Knapcikova, L.; Behunova, A.; Behun, M. (2020). Using a discrete event simulation as an effective method applied in the production of recycled material, *Advances in Production Engineering & Management,* Vol. 15, No. 4, 431-440, https://doi.org/10.14743/apem2020.4.376
375	Awaga, A.L.; Xu, W.; Liu, L.; Zhang, Y.	Evolutionary game of green manufacturing mode of enterprises under the influence of government reward and punishment	2020, 15(4), 416-430, 10.14743/apem2020.4.375	Evolutionary game; Green manufacturing; Smart manufacturing; Reward and punishment; Multi-objective decision making (MODM); Evolutionary stabilization strategy	Awaga, A.L.; Xu, W.; Liu, L.; Zhang, Y. (2020). Evolutionary game of green manufacturing mode of enterprises under the influence of government reward and punishment, *Advances in Production Engineering & Management*, Vol. 15, No. 4, 416-430, https://doi.org/10.14743/apem2020.4.375
374	Khawaja, A.H.; Jahanzaib, M.; Cheema, T.A.	High-speed machining parametric optimization of 15CDV6 HSLA steel under minimum quantity and flood lubrication	2020, 15(4), 403-415, 10.14743/apem2020.4.374	High-speed machining; Milling; HSLA steel; Chromium-molybdenum-vanadium steel (15CDV6); Minimum quantity lubrication; Optimization; Sustainability	Khawaja, A.H.; Jahanzaib, M.; Cheema, T.A. (2020). High-speed machining parametric optimization of 15CDV6 HSLA steel under minimum quantity and flood lubrication, *Advances in Production Engineering & Management,* Vol. 15, No. 4, 403-415, https://doi.org/10.14743/apem2020.4.374
373	Polanec, B.; Kramberger, J.; Glodez, S.	A review of production technologies and materials for manufacturing of cardiovascular stents	2020, 15(4), 390-402, 10.14743/apem2020.4.373	Stent; Bare-metal stent; Drug-eluting stent; Bio-resorbable stent; Stent coatings; Drug delivery; Stent manufacturing; Stent material; Laser cutting; Additive manufacturing (3D printing)	Polanec, B.; Kramberger, J.; Glodez, S. (2020). A review of production technologies and materials for manufacturing of cardiovascular stents, *Advances in Production Engineering & Management*, Vol. 15, No. 4, 390-402, https://doi.org/10.14743/apem2020.4.373
372	Amjad, M.K.; Butt, S.I.; Anjum, N.; Chaudhry, I.A.; Faping, Z.; Khan, M.	A layered genetic algorithm with iterative diversification for optimization of flexible job shop scheduling problems	2020, 15(4), 377-389, 10.14743/apem2020.4.372	Scheduling; Flexible job shop scheduling problem (FJSSP); Complexity; Diversity; Combinatorial optimization; Genetic algorithm	Amjad, M.K.; Butt, S.I.; Anjum, N.; Chaudhry, I.A.; Faping, Z.; Khan, M. (2020). A layered genetic algorithm with iterative diversification for optimization of flexible job shop scheduling problems, *Advances in Production Engineering & Management,* Vol. 15, No. 4, 377-389, https://doi.org/10.14743/apem2020.4.372
371	Rudolf, R.; Majeric, P.; Golub, D.; Tiyyagura, H.R.	Testing of novel nano gold ink for inkjet printing	2020, 15(3), 358-368, 10.14743/apem2020.3.371	Inkjet printing; Nano gold ink; Gold nanoparticles; Characterisation; Paper-based sensor	Rudolf, R.; Majeric, P.; Golub, D.; Tiyyagura, H.R. (2020). Testing of novel nano gold ink for inkjet printing, *Advances in Production Engineering & Management,* Vol. 15, No. 3, 358-368, https://doi.org/10.14743/apem2020.3.371
370	Hu, H.; Zhang, Z.; Wu, Q.; Han, S.	Manufacturer's customer satisfaction incentive plan for duopoly retailers with Cournot or collusion games	2020, 15(3), 345-357, 10.14743/apem2020.3.370	Supply chain management; Manufacturer's incentive plan; Customer satisfaction; Duopoly retailers; Game; Cournot game; Collusion	Hu, H.; Zhang, Z.; Wu, Q.; Han, S. (2020). Manufacturer's customer satisfaction incentive plan for duopoly retailers with Cournot or collusion games, *Advances in Production Engineering & Management,* Vol. 15, No. 3, 345-357, https://doi.org/10.14743/apem2020.3.370
369	Turk, M.; Pipan, M.; Simic, M.; Herakovic, N.	Simulation-based time evaluation of basic manual assembly tasks	2020, 15(3), 331-344, 10.14743/apem2020.3.369	Assembly; Manual task; Work-job design; Time analysis; Jack simulation; Avatar	Turk, M.; Pipan, M.; Simic, M.; Herakovic, N. (2020). Simulation-based time evaluation of basic manual assembly tasks, *Advances in Production Engineering & Management,* Vol. 15, No. 3, 331-344, https://doi.org/10.14743/apem2020.3.369
368	Jasiewicz, M.; Miadlicki, K.	An integrated CNC system for chatter suppression in turning	2020, 15(3), 318-330, 10.14743/apem2020.3.368	Computer numerical control (CNC); Machining chatter; Vibrations; Stability analysis; Machine-tool spindle; Cutting parameters; Turning	Jasiewicz, M.; Miadlicki, K. (2020). An integrated CNC system for chatter suppression in turning, *Advances in Production Engineering & Management,* Vol. 15, No. 3, 318-330, https://doi.org/10.14743/apem2020.3.368
367	Al-Refaie, A.; Lepkova, N.; Abbasi, G.; Bani Domi, G.	Optimization of process performance by multiple pentagon fuzzy responses: Case studies of wire-electrical discharge machining and sputtering process	2020, 15(3), 307-317, 10.14743/apem2020.3.367	Modeling and optimization; Fuzzy goal programming; Pentagon regression modelling; Pentagon fuzzy numbers; Wire electro-discharge machining (WEDM); Surface roughness (SR); Material removal rate (MRR); Sputtering process; Gallium-doped ZnO (GZO)	Al-Refaie, A.; Lepkova, N.; Abbasi, G.; Bani Domi, G. (2020). Optimization of process performance by multiple pentagon fuzzy responses: Case studies of wire-electrical discharge machining and sputtering process, *Advances in Production Engineering & Management*, Vol. 15, No. 3, 307-317, https://doi.org/10.14743/apem2020.3.367
366	Hu, Q.; Yang, Y.; Cao, W.	Computational analysis of cavitation at the tongue of the volute of a centrifugal pump at overload conditions	2020, 15(3), 295-306, 10.14743/apem2020.3.366	Centrifugal pump; Numerical simulation; Computational fluid dynamics (CFD); Tongue; Cavitation; Blade loading; Pressure fluctuation	Hu, Q.; Yang, Y.; Cao, W. (2020). Computational analysis of cavitation at the tongue of the volute of a centrifugal pump at overload conditions, *Advances in Production Engineering & Management,* Vol. 15, No. 3, 295-306, https://doi.org/10.14743/apem2020.3.366
365	Zhang, Z.J.; Wang, P.; Wan, M.Y.; Guo, J.H.; Luo, C.L.	Interactive impacts of overconfidence and fairness concern on supply chain performance	2020, 15(3), 277-294, 10.14743/apem2020.3.365	Supply chain; Supply chain management; Modelling; Performance; Overconfidence; Fairness concern; Behavioural operation; Stackelberg game	Zhang, Z.J.; Wang, P.; Wan, M.Y.; Guo, J.H.; Luo, C.L. (2020). Interactive impacts of overconfidence and fairness concern on supply chain performance, *Advances in Production Engineering & Management,* Vol. 15, No. 3, 277-294, https://doi.org/10.14743/apem2020.3.365
364	Malega, P.; Rudy, V.; Kanasz, R.; Gazda, V.	Decentralized optimization of the flexible production lines	2020, 15(3), 267-276, 10.14743/apem2020.3.364	Production line; Job shop problem (JSP); Decentralised optimization; Production scheduling; Shortest processing time rule; Self-organization; Genetic algorithm; Decision table	Malega, P.; Rudy, V.; Kanasz, R.; Gazda, V. (2020). Decentralized optimization of the flexible production lines, *Advances in Production Engineering & Management,* Vol. 15, No. 3, 267-276, https://doi.org/10.14743/apem2020.3.364
363	Barros, L.; Linfati, R.; Escobar, J.W.	An exact approach for the consistent vehicle routing problem (ConVRP)	2020, 15(3), 255-266, 10.14743/apem2020.3.363	Vehicle routing problem (VRP); Consistent vehicle routing (ConVRP); Mathematical model; Mixed Integer linear programming model; Optimization; Exact algorithms; Modelling; CPLEX; Gurobi	Barros, L.; Linfati, R.; Escobar, J.W. (2020). An exact approach for the consistent vehicle routing problem (ConVRP), *Advances in Production Engineering & Management,* Vol. 15, No. 3, 255-266, https://doi.org/10.14743/apem2020.3.363

362	Babaeinesami, A.; Tohidi, H.; Seyedaliakbar, S.M.	A closed loop Stackelberg game in multi-product supply chain considering information security: A case study	2020, 15(2), 233-246, **10.14743/apem2020.2.361**	Supply chain optimization; Multi-product supply chain; Closed-loop supply chain; Game theory; Stackelberg game; Information security; Renovation of products; Collection of products	Babaeinesami, A.; Tohidi, H.; Seyedaliakbar, S.M. (2020). A closed loop Stackelberg game in multi-product supply chain considering information security: A case study, *Advances in Production Engineering & Management,* Vol. 15, No. 2, 233-246, https://doi.org/10.14743/apem2020.2.361
361	Dakovic, M.; Lalic, B.; Delic, M.; Tasic, N.; Ciric, D.	Systematic mitigation of model sensitivity in the initiation phase of energy projects	2020, 15(2), 217-232, **10.14743/apem2020.2.360**	Project risk management; Risk model; Risk analysis; Risk mitigation; Sensitivity model; Stakeholders; Energy projects	Dakovic, M.; Lalic, B.; Delic, M.; Tasic, N.; Ciric, D. (2020). Systematic mitigation of model sensitivity in the initiation phase of energy projects, *Advances in Production Engineering & Management,* Vol. 15, No. 2, 217-232, https://doi.org/10.14743/apem2020.2.360
360	Khurshid, B.; Maqsood, S.; Omair, M.; Nawaz, R.; Akhtar, R.	Hybrid evolution strategy approach for robust permutation flowshop scheduling	2020, 15(2), 204-216, **10.14743/apem2020.2.359**	Permutation flowshop; Scheduling; Carlier problem; Reeves problem; Evolutionary computation; Hybrid evolution stratgey; Improved evolution strategy; Tabu search	Khurshid, B.; Maqsood, S.; Omair, M.; Nawaz, R.; Akhtar, R. (2020). Hybrid evolution strategy approach for robust permutation flowshop scheduling, *Advances in Production Engineering & Management,* Vol. 15, No. 2, 204-216, https://doi.org/10.14743/apem2020.2.359
359	Hu, H.; Wu, Q.; Han, S.; Zhang, Z.	Coordination of dual-channel supply chain with perfect product considering sales effort	2020, 15(2), 192-203, **10.14743/apem2020.2.358**	e-commerce; Supply chain; Dual-channel supply chain (DCSC); Defective product; Manufacturer sales effort; Coordination; Game theory	Hu, H.; Wu, Q.; Han, S.; Zhang, Z. (2020). Coordination of dual-channel supply chain with perfect product considering sales effort, *Advances in Production Engineering & Management,* Vol. 15, No. 2, 192-203, https://doi.org/10.14743/apem2020.2.358
358	Chen, D.M.; Liu, Y.H.; He, S.F.; Xu, S.; Dai, F.Q.; Lu, B.	Fuel gas operation management practices for reheating furnace in iron and steel industry	2020, 15(2), 179-191, **10.14743/apem2020.2.357**	Iron industry; Steel Industry; Fuel gas operation (FGO) management; Reheating furnace; FGO evaluation model; Fuel gas per ton steel (FGTS) time-series; Working groups; Working shifts	Chen, D.M.; Liu, Y.H.; He, S.F.; Xu, S.; Dai, F.Q.; Lu, B. (2020). Fuel gas operation management practices for reheating furnace in iron and steel industry, *Advances in Production Engineering & Management,* Vol. 15, No. 2, 179-191, https://doi.org/10.14743/apem2020.2.357
357	Spaic, O.; Krivokapic, Z.; Kramar, D.	Development of family of artificial neural networks for the prediction of cutting tool condition	2020, 15(2), 164-178, **10.14743/apem2020.2.356**	Drilling; Cutting tool; Twist drill bits; Axial force; Tool wear; Prediction; Artificial neural networks; Back propagation	Spaic, O.; Krivokapic, Z.; Kramar, D. (2020). Development of family of artificial neural networks for the prediction of cutting tool condition, *Advances in Production Engineering & Management,* Vol. 15, No. 2, 164-178, https://doi.org/10.14743/apem2020.2.356
356	Zic, J.; Zic, S.	Multi-criteria decision making in supply chain management based on inventory levels, environmental impact and costs	2020, 15(2), 151-163, **10.14743/apem2020.2.355**	Green supply chain; Multi-criteria decision making; Environmental impact; Costs; Inventory levels	Zic, J.; Zic, S. (2020). Multi-criteria decision making in supply chain management based on inventory levels, environmental impact and costs, *Advances in Production Engineering & Management,* Vol. 15, No. 2, 151-163, https://doi.org/10.14743/apem2020.2.355
355	Savkovic, B.; Kovac, P.; Rodic, D.; Strbac, B.; Klancnik, S.	Comparison of artificial neural network, fuzzy logic and genetic algorithm for cutting temperature and surface roughness prediction during the face milling process	2020, 15(2), 137-150, **10.14743/apem2020.2.354**	Artificial intelligence; Artificial neural networks (ANN); Fuzzy logic (FL); Genetic algorithms (GA); Face milling; Modeling; Surface roughness; Cutting temperature	Savkovic, B.; Kovac, P.; Rodic, D.; Strbac, B.; Klancnik, S. (2020). Comparison of artificial neural network, fuzzy logic and genetic algorithm for cutting temperature and surface roughness prediction during the face milling process, *Advances in Production Engineering & Management,* Vol. 15, No. 2, 137-150, https://doi.org/10.14743/apem2020.2.354
354	Li, G.Z.; Xu, Z.G.; Yang, S.L.; Wang, H.Y.; Bai, X.L.; Ren, Z.H.	Bottleneck identification and alleviation in a blocked serial production line with discrete event simulation: A case study	2020, 15(2), 125-136, **10.14743/apem2020.2.353**	Serial production line; Bottleneck identification; Bottleneck alleviation; Discrete event simulation; Plant Simulation; Case study	Li, G.Z.; Xu, Z.G.; Yang, S.L.; Wang, H.Y.; Bai, X.L.; Ren, Z.H. (2020). Bottleneck identification and alleviation in a blocked serial production line with discrete event simulation: A case study, *Advances in Production Engineering & Management,* Vol. 15, No. 2, 125-136, https://doi.org/10.14743/apem2020.2.353
353	Acko, B.; Weber, H.; Hutzschenreuter, D.; Smith, I.	Communication and validation of metrological smart data in IoT-networks	2020, 15(1), 107-117, **10.14743/apem2020.1.353**	Metrology; Measurement metadata; Information and communication technology (ICT); Smart Data; Data communication; IoT-communication; IoT-networking; Digital calibration certificate	Acko, B.; Weber, H.; Hutzschenreuter, D.; Smith, I. (2020). Communication and validation of metrological smart data in IoT-networks, *Advances in Production Engineering & Management,* Vol. 15, No. 1, 107-117, https://doi.org/10.14743/apem2020.1.353
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351	Leksic, I.; Stefanic, N.; Veza, I.	The impact of using different lean manufacturing tools on waste reduction	2020, 15(1), 81-92, **10.14743/apem2020.1.351**	Green production; Lean manufacturing; Lean tools; Waste reduction; Waste management; Waste reduction techniques	Leksic, I.; Stefanic, N.; Veza, I. (2020). The impact of using different lean manufacturing tools on waste reduction, *Advances in Production Engineering & Management,* Vol. 15, No. 1, 81-92, https://doi.org/10.14743/apem2020.1.351
350	Yang, S.L.; Xu, Z.G.; Li, G.Z.; Wang, J.Y.	Assembly transport optimization for a reconfigurable flow shop based on a discrete event simulation	2020, 15(1), 69-80, **10.14743/apem2020.1.350**	Reconfigurable manufacturing systems (RMS); Discrete event simulation; Assembly transport strategy; Optimization; Plant Simulation; Reconfigurable flow shop; Production configuration; Production performance; Simulation	Yang, S.L.; Xu, Z.G.; Li, G.Z.; Wang, J.Y. (2020). Assembly transport optimization for a reconfigurable flow shop based on a discrete event simulation, *Advances in Production Engineering & Management,* Vol. 15, No. 1, 69-80, https://doi.org/10.14743/apem2020.1.350
349	Sari, T.; Gules, H.K.; Yigitol, B.	Awareness and readiness of Industry 4.0: The case of Turkish manufacturing industry	2020, 15(1), 57-68, **10.14743/apem2020.1.349**	Industry 4.0; Additive manufacturing; Autonomous robots; Cloud technologies; Cyber security; Internet of things (IoT); Big data; Augmented reality	Sari, T.; Gules, H.K.; Yigitol, B. (2020). Awareness and readiness of Industry 4.0: The case of Turkish manufacturing industry, *Advances in Production Engineering & Management,* Vol. 15, No. 1, 57-68, https://doi.org/10.14743/apem2020.1.349
348	Kosec, P.; Skec, S.; Miler, D.	A comparison of the tolerance analysis methods in the open-loop assembly	2020, 15(1), 44-56, **10.14743/apem2020.1.348**	Assembly; Open-loop assembly; Tolerance analysis; Computer aided tolerancing; Tolerance chart analysis; Unified Jacobian-torsor model; Monte Carlo method; Vector-loop analysis	Kosec, P.; Skec, S.; Miler, D. (2020). A comparison of the tolerance analysis methods in the open-loop assembly, *Advances in Production Engineering & Management,* Vol. 15, No. 1, 44-56, https://doi.org/10.14743/apem2020.1.348
347	Wang, D.; Tan, K.; Dong, Y.; Yuan, G.; Du, X.	Estimating the position and orientation of a mobile robot using neural network framework based on combined square-root cubature Kalman filter and simultaneous localization and mapping	2020, 15(3), 31-43, **10.14743/apem2020.1.347**	Robot; Mobile robot; Square-root cubature Kalman filter; Simultaneous localization and mapping; Sensors; Artificial neural networks; Iteration update; Filter estimate	Wang, D.; Tan, K.; Dong, Y.; Yuan, G.; Du, X. (2020). Estimating the position and orientation of a mobile robot using neural network framework based on combined square-root cubature Kalman filter and simultaneous localization and mapping, *Advances in Production Engineering & Management,* Vol. 15, No. 1, 31-43, https://doi.org/10.14743/apem2020.1.347
346	Straka, M.; Khouri, S.; Lenort, R.; Besta, P.	Improvement of logistics in manufacturing system by the use of simulation modelling: A real industrial case study	2020, 15(2), 18-30, **10.14743/apem2020.1.346**	Manufacturing; Logistics; Simulation; Modelling; Optimization; EXTENDSIM	Straka, M.; Khouri, S.; Lenort, R.; Besta, P. (2020). Improvement of logistics in manufacturing system by the use of simulation modelling: A real industrial case study, *Advances in Production Engineering & Management,* Vol. 15, No. 1, 18-30, https://doi.org/10.14743/apem2020.1.346
345	Zuperl, U.; Cus, F.; Zawada-Tomkiewicz, A.; Stepien, K.	Neuro-mechanistic model for cutting force prediction in helical end milling of metal materials layered in multiple directions	2020, 15(1), 5-17, **10.14743/apem2020.1.345**	Helical end milling; Multidirectional layered metal material; Cutting forces; Specific cutting forces; Neuro-mechanistic model; Modelling; Prediction; Artificial neural networks	Zuperl, U.; Cus, F.; Zawada-Tomkiewicz, A.; Stepien, K. (2020). Neuro-mechanistic model for cutting force prediction in helical end milling of metal materials layered in multiple directions, *Advances in Production Engineering & Management,* Vol. 15, No. 1, 5-17, https://doi.org/10.14743/apem2020.1.345

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#	Authors	Paper title	2019, Vol(No), Pages, DOI	Key words	Citation data
344	Burek, J.; Plodzien, M.; Zylka, L.; Sulkowicz, P.	High-performance end milling of aluminum alloy: Influence of different serrated cutting edge tool shapes on the cutting force	2019, 14(4), 494-506, 10.14743/apem2019.4.344	High performance milling; Aluminum alloy (AlZn5.5MgCu); Cutting force; Modelling; End mill cutter; Serrated cutting edge	Burek, J.; Plodzien, M.; Zylka, L.; Sulkowicz, P. (2019). High-performance end milling of aluminum alloy: Influence of different serrated cutting edge tool shapes on the cutting force, *Advances in Production Engineering & Management,* Vol. 14, No. 4, 494-506, https://doi.org/10.14743/apem2019.4.344
343	Medic, N.; Anisic, Z.; Lalic, B.; Marjanovic, U.; Brezocnik, M.	Hybrid fuzzy multi-attribute decision making model for evaluation of advanced digital technologies in manufacturing: Industry 4.0 perspective	2019, 14(4), 483-493, 10.14743/apem2019.4.343	Industry 4.0; Manufacturing; Digitalization; Advanced technologies; Multi-attribute decision making (MADM); Fuzzy analytic hierarchy process (FAHP); PROMETHEE method	Medic, N.; Anisic, Z.; Lalic, B.; Marjanovic, U.; Brezocnik, M. (2019). Hybrid fuzzy multi-attribute decision making model for evaluation of advanced digital technologies in manufacturing: Industry 4.0 perspective, *Advances in Production Engineering & Management,* Vol. 14, No. 4, 483-493, https://doi.org/10.14743/apem2019.4.343
342	Hu, H.; Wu, Q.; Zhang, Z.; Han, S.	Effect of the manufacturer quality inspection policy on the supply chain decision-making and profits	2019, 14(4), 472-482, 10.14743/apem2019.4.342	Supply chain; Decision-making; Quality inspection policy; Quality inspection avoidance; Incentive mechanism; Product return; Profit	Hu, H.; Wu, Q.; Zhang, Z.; Han, S. (2019). Effect of the manufacturer quality inspection policy on the supply chain decision-making and profits, *Advances in Production Engineering & Management,* Vol. 14, No. 4, 472-482, https://doi.org/10.14743/apem2019.4.342
341	Pang, J.H.; Zhao, H.; Qin, F.F.; Xue, X.B.; Yuan, K.Y.	A new approach for product quality prediction of complex equipment by grey system theory: A case study of cutting tools for CNC machine tool	2019, 14(4), 461-471, 10.14743/apem2019.4.341	Quality control; Computer numerical control (CNC); Machine tool; Quality prediction; Grey system theory	Pang, J.H.; Zhao, H.; Qin, F.F.; Xue, X.B.; Yuan, K.Y. (2019). A new approach for product quality prediction of complex equipment by grey system theory: A case study of cutting tools for CNC machine tool, *Advances in Production Engineering & Management,* Vol. 14, No. 4, 461-471, https://doi.org/10.14743/apem2019.4.341
340	Varga, G.; Torok, T.; Felho, C.; Orosz-Szirmai, G.; Rez, I.	Surface features of chromium alloyed carbon steel specimens after salt-spray tests in NaCl solution	2019, 14(4), 449-460, 10.14743/apem2019.4.340	Surface features; Surface topography; Roundness error; Cylindricity deviation; Corrosion; Surface roughness; Carbon steel; Chromium alloyed steel; Salt-spray test; NaCl solution	Varga, G.; Torok, T.; Felho, C.; Orosz-Szirmai, G.; Rez, I. (2019). Surface features of chromium alloyed carbon steel specimens after salt-spray tests in NaCl solution, *Advances in Production Engineering & Management,* Vol. 14, No. 4, 449-460, https://doi.org/10.14743/apem2019.4.340
339	Ojstersek, R.; Lalic, D.; Buchmeister, B.	A new method for mathematical and simulation modelling interactivity: A case study in flexible job shop scheduling	2019, 14(4), 435-448, 10.14743/apem2019.4.339	Flexible job shop scheduling; Mathematical modelling; Simulation modelling; Interactivity; Evolutionary computation; Multi-objective heuristic Kalman algorithm (MOHKA); Multi-objective particle swarm optimization (MOPSO); Bare-bones multi-objective particle swarm optimization algorithm (BBMOPSO)	Ojstersek, R.; Lalic, D.; Buchmeister, B. (2019). A new method for mathematical and simulation modelling interactivity: A case study in flexible job shop scheduling, *Advances in Production Engineering & Management,* Vol. 14, No. 4, 435-448, https://doi.org/10.14743/apem2019.4.339
338	Aleksic, A.; Runic Ristic, M.; Komatina, N.; Tadic, D	Advanced risk assessment in reverse supply chain processes: A case study in Republic of Serbia	2019, 14(4), 421-434, 10.14743/apem2019.4.338	Reverse supply chain; Risk; Multi-criteria decision analysis; Interval type-2 trapezoidal fuzzy numbers; Fuzzy FMEA framework; Fuzzy TOPSIS	Aleksic, A.; Runic Ristic, M.; Komatina, N.; Tadic, D. (2019). Advanced risk assessment in reverse supply chain processes: A case study in Republic of Serbia, *Advances in Production Engineering & Management*, Vol. 14, No. 4, 421-434, https://doi.org/10.14743/apem2019.4.338
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336	Santosi, Z.; Budak, I.; Sokac, M.; Hadzistevic, M.; Vukelic, D.	Influence of high dynamic range images on the accuracy of the photogrammetric 3D digitization: A case study	2019, 14(3), 391-399, 10.14743/apem2019.3.336	3D digitization; Photogrammetry; High dynamic range (HDR) image; Structure from motion (SfM)	Santosi, Z.; Budak, I.; Sokac, M.; Hadzistevic, M.; Vukelic, D. (2019). Influence of high dynamic range images on the accuracy of the photogrammetric 3D digitization: A case study, *Advances in Production Engineering & Management,* Vol. 14, No. 3, 391-399, https://doi.org/10.14743/apem2019.3.336
335	Lee, Y.; Lee, J.P.; Kim, S.	Optimal timing of price change with strategic customers under demand uncertainty: A real option approach	2019, 14(3), 379-390, 10.14743/apem2019.3.335	Strategic customers; Price change; Posted pricing; Markdown; Demand uncertainty; Real option	Lee, Y.; Lee, J.P.; Kim, S. (2019). Optimal timing of price change with strategic customers under demand uncertainty: A real option approach, *Advances in Production Engineering & Management,* Vol. 14, No. 3, 379-390, https://doi.org/10.14743/apem2019.3.335
334	Yang, M.S.; Ba, L.; Zheng, H.Y.; Liu, Y.; Wang, X.F.; He, J.Z.; Li, Y.	An integrated system for scheduling of processing and assembly operations with fuzzy operation time and fuzzy delivery time	2019, 14(3), 367-378, 10.14743/apem2019.3.334	Integrated scheduling; Uncertainty; Fuzzy operation time; Fuzzy delivery time; Genetic algorithm (GA)	Yang, M.S.; Ba, L.; Zheng, H.Y.; Liu, Y.; Wang, X.F.; He, J.Z.; Li, Y. (2019). An integrated system for scheduling of processing and assembly operations with fuzzy operation time and fuzzy delivery time, *Advances in Production Engineering & Management,* Vol. 14, No. 3, 367-378, https://doi.org/10.14743/apem2019.3.334
333	Sadeghpour, H.; Tavakoli, A.; Kazemi, M.; Pooya, A.	A novel approximate dynamic programming approach for constrained equipment replacement problems: A case study	2019, 14(3), 355-366, 10.14743/apem2019.3.333	Equipment replacement; Approximate dynamic program-ming; Rollout algorithm; State estimation; Genetic algorithm	Sadeghpour, H.; Tavakoli, A.; Kazemi, M.; Pooya, A. (2019). A novel approximate dynamic programming approach for constrained equipment replacement problems: A case study, *Advances in Production Engineering & Management,* Vol. 14, No. 3, 355-366, https://doi.org/10.14743/apem2019.3.333
332	Pellegrini, G.; Ravasio, C.	Evaluation of the sustainability of the micro-electrical discharge milling process	2019, 14(3), 343-354, 10.14743/apem2019.3.332	Electrical discharge machining (EDM); Micro-electrical discharge machining (micro-EDM); Micro-electrical discharge milling (micro-ED milling); Sustainability; Sustainability index; Dielectric fluid	Pellegrini, G.; Ravasio, C. (2019). Evaluation of the sustainability of the micro-electrical discharge milling process, *Advances in Production Engineering & Management,* Vol. 14, No. 3, 343-354, https://doi.org/10.14743/apem2019.3.332
331	Du, Y.; Wang, J.L.; Lei, L.	Multi-objective scheduling of cloud manufacturing resources through the integration of Cat swarm optimization and Firefly algorithm	2019, 14(3), 333-342, 10.14743/apem2019.3.331	Cloud manufacturing; Multi-objective scheduling; Cat swarm optimization (CSO); Firefly algorithm (FA)	Du, Y.; Wang, J.L.; Lei, L. (2019). Multi-objective scheduling of cloud manufacturing resources through the integration of Cat swarm optimization and Firefly algorithm, *Advances in Production Engineering & Management,* Vol. 14, No. 3, 333-342, https://doi.org/10.14743/apem2019.3.331
330	Modi, M.; Agarwal, G.	Effect of aluminium and chromium powder mixed dielectric fluid on electrical discharge machining effectiveness	2019, 14(3), 323-332, 10.14743/apem2019.3.330	Powder mixed-electro discharge machining (PMEDM); Aluminium powder; Chromium powder; Dielectric fluid; Productivity; Material removal rate (MRR); Surface roughness; Nimonic 80A alloy	Modi, M.; Agarwal, G. (2019). Effect of aluminium and chromium powder mixed dielectric fluid on electrical discharge machining effectiveness, *Advances in Production Engineering & Management*, Vol. 14, No. 3, 323-332, https://doi.org/10.14743/apem2019.3.330
329	Ocampo, L.A.; Himang, C.M.; Kumar, A.; Brezocnik, M.	A novel multiple criteria decision-making approach based on fuzzy DEMATEL, fuzzy ANP and fuzzy AHP for mapping collection and distribution centers in reverse logistics	2019, 14(3), 297-322, 10.14743/apem2019.3.329	Reverse logistics; Collection; Distribution; Fuzzy environment; Remanufacturing; Multiple criteria decision-making (MCDM); Decision-making and trial evaluation laboratory (DEMATEL); Analytic network process (ANP); Analytic hierarchy process (AHP)	Ocampo, L.A.; Himang, C.M.; Kumar, A.; Brezocnik, M. (2019). A novel multiple criteria decision-making approach based on fuzzy DEMATEL, fuzzy ANP and fuzzy AHP for mapping collection and distribution centers in reverse logistics, Adva*nces in Production Engineering & Management,* Vol. 14, No. 3, 297-322, https://doi.org/10.14743/apem2019.3.329

328	Hu, W.; Hu, Y.W.; Yao, W.H.; Lu, W.Q.; Li, H.H.; Lv, Z.W.	A blockchain-based smart contract trading mechanism for energy power supply and demand network	2019, 14(3), 284-296, **10.14743/apem2019.3.328**	Electric energy; Energy power supply and demand network (EPSDN); Blockchain; Smart contract; Encourage-real-quotation (ERQ) rule; Power transaction	Hu, W.; Hu, Y.W.; Yao, W.H.; Lu, W.Q.; Li, H.H.; Lv, Z.W. (2019). A blockchain-based smart contract trading mechanism for energy power supply and demand network, *Advances in Production Engineering & Management,* Vol. 14, No. 3, 284-296, https://doi.org/10.14743/apem2019.3.328
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326	Singh, M.; Ramkumar, J.; Rao, R.V.; Balic, J.	Experimental investigation and multi-objective optimization of micro-wire electrical discharge machining of a titanium alloy using Jaya algorithm	2019, 14(2), 251-263, **10.14743/apem2019.2.326**	Micro-wire electrical discharge machining (Micro-WEDM); Multi-objective optimization; Titanium alloy; Kerf-loss; Cutting rate; Volumetric material removal rate; Feed-rate; Jaya algorithm; Multi objective-Jaya algorithm (MO-Jaya)	Singh, M.; Ramkumar, J.; Rao, R.V.; Balic, J. (2019). Experimental investigation and multi-objective optimization of micro-wire electrical discharge machining of a titanium alloy using Jaya algorithm, *Advances in Production Engineering & Management,* Vol. 14, No. 2, 251-263, https://doi.org/10.14743/apem2019.2.326
325	Zheng, Z.L.; Bao, X.	The investment strategy and capacity portfolio optimization in the supply chain with spillover effect based on artificial fish swarm algorithm	2019, 14(2), 239-250, **10.14743/apem2019.2.325**	Supply chain; Investment strategy; Capacity portfolio; Spillover; Artificial fish swam algorithm	Zheng, Z.L.; Bao, X. (2019). The investment strategy and capacity portfolio optimization in the supply chain with spillover effect based on artificial fish swarm algorithm, *Advances in Production Engineering & Management,* Vol. 14, No. 2, 239-250, https://doi.org/10.14743/apem2019.2.325
324	Gajic, S.; Palcic, I.	A new framework for complexity analysis in international development projects - Results from a Delphi study	2019, 14(2), 225-238, **10.14743/apem2019.2.324**	International development projects (ID); Project management; Complexity; Project complexity; Technology-organisation-environment (TOE); Delphi study	Gajic, S.; Palcic, I. (2019). A new framework for complexity analysis in international development projects - Results from a Delphi study, *Advances in Production Engineering & Management*, Vol. 14, No. 2, 225-238, https://doi.org/10.14743/apem2019.2.324
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322	Zhao, P.X.; Luo, W.H.; Han, X.	Time-dependent and bi-objective vehicle routing problem with time windows	2019, 14(2), 201-212, **10.14743/apem2019.2.322**	Vehicle routing problem; Time-dependency; Bi-objective optimization; Time windows; Pareto optimal solutions; Evolutionary algorithms; NSGA-II algorithm	Zhao, P.X.; Luo, W.H.; Han, X. (2019). Time-dependent and bi-objective vehicle routing problem with time windows, *Advances in Production Engineering & Management,* Vol. 14, No. 2, 201-212, https://doi.org/10.14743/apem2019.2.322
321	Liang, P.P.; Li, C.W.	Impact of cooperation uncertainty on the robustness of manufacturing service system	2019, 14(2), 189-200, **10.14743/apem2019.2.321**	Manufacturing service system; Complex system; Robustness; Robustness metric; Cooperation uncertainty	Liang, P.P.; Li, C.W. (2019). Impact of cooperation uncertainty on the robustness of manufacturing service system, *Advances in Production Engineering & Management,* Vol. 14, No. 2, 189-200, https://doi.org/10.14743/apem2019.2.321
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319	Istokovic, D.; Perinic, M.; Dobovicek, S.; Bazina, T.	Simulation framework for determining the order and size of the product batches in the flow shop: A case study	2019, 14(2), 166-176, **10.14743/apem2019.2.319**	Process planning; Flow shop; Sequence-dependent setup time; Batch scheduling; Discrete event simulation; Genetic algorithm (GA)	Istokovic, D.; Perinic, M.; Dobovicek, S.; Bazina, T. (2019). Simulation framework for determining the order and size of the product batches in the flow shop: A case study, *Advances in Production Engineering & Management,* Vol. 14, No. 2, 166-176, https://doi.org/10.14743/apem2019.2.319
318	Resman, M.; Pipan, M.; Simic, M.; Herakovic, N.	A new architecture model for smart manufacturing: A performance analysis and comparison with the RAMI 4.0 reference model	2019, 14(2), 153-165, **10.14743/apem2019.2.318**	Industry 4.0; Smart manufacturing; Smart factory; Architectural model; Reference architectural model; RAMI 4.0	Resman, M.; Pipan, M.; Simic, M.; Herakovic, N. (2019). A new architecture model for smart manufacturing: A performance analysis and comparison with the RAMI 4.0 reference model, *Advances in Production Engineering & Management,* Vol. 14, No. 2, 153-165, https://doi.org/10.14743/apem2019.2.318
317	Tahir, W.; Jahanzaib, M.; Raza, A.	Effect of process parameters on cutting speed of wire EDM process in machining HSLA steel with cryogenic treated brass wire	2019, 14(2), 143-152, **10.14743/apem2019.2.317**	Wire electrical discharge machining (WEDM); HSLA steel; Brass wire; Cryogenic treatment; Cutting speed; Process parameters	Tahir, W.; Jahanzaib, M.; Raza, A. (2019). Effect of process parameters on cutting speed of wire EDM process in machining HSLA steel with cryogenic treated brass wire, *Advances in Production Engineering & Management,* Vol. 14, No. 2, 143-152, https://doi.org/10.14743/apem2019.2.317
316	Min, J.N.; Jin, C.; Lu, L.J.	Maximum-minimum distance clustering method for split-delivery vehicle-routing problem: Case studies and performance comparisons	2019, 14(1), 125-135, **10.14743/apem2019.1.316**	Split-delivery vehicle-routing problem; Maximum-minimum distance method; Load-demand adjustment; Route optimisation; Tabu search; Clustering first and routing later	Min, J.N.; Jin, C.; Lu, L.J. (2019). Maximum-minimum distance clustering method for split-delivery vehicle-routing problem: Case studies and performance comparisons, *Advances in Production Engineering & Management,* Vol. 14, No. 1, 125-135, https://doi.org/10.14743/apem2019.1.316
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311	Chutima, P.; Suchanun, T.	Productivity improvement with parallel adjacent U-shaped assembly lines	2019, 14(1), 51-64, **10.14743/apem2019.1.311**	Assembly line; U-shaped assembly line; Parallel adjacent assembly line; Assembly line balancing; Productivity improvement; Multi-objective optimisation; Evolutionary algorithm (MOEA/D); Particle swarm optimisation (PSO)	Chutima, P.; Suchanun, T. (2019). Productivity improvement with parallel adjacent U-shaped assembly lines, *Advances in Production Engineering & Management,* Vol. 14, No. 1, 51-64, https://doi.org/10.14743/apem2019.1.311
310	Crnjac, M.; Aljinovic, A.; Gjeldum, N.; Mladineo, M.	Two-stage product design selection by using PROMETHEE and Taguchi method: A case study	2019, 14(1), 39-50, **10.14743/apem2019.1.310**	Learning factory; Lean manufacturing; Design optimization; PROMETHEE method; Taguchi method	Crnjac, M.; Aljinovic, A.; Gjeldum, N.; Mladineo, M. (2019). Two-stage product design selection by using PROMETHEE and Taguchi method: A case study, *Advances in Production Engineering & Management,* Vol. 14, No. 1, 39-50, https://doi.org/10.14743/apem2019.1.310

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#	Authors	Paper title	2018, Vol(No), Pages, DOI	Key words	Citation data
306	Kambic, M.; Kalb, R.; Tic, V.; Lovrec, D.	Compatibility of ionic liquids with hydraulic system components	2018, 13(4), 492-503, 10.14743/apem2018.4.3056	Ionic liquids; Hydraulic fluid; Corrosion protection; Material compatibility	Kambic, M.; Kalb, R.; Tic, V.; Lovrec, D. (2018). Compatibility of ionic liquids with hydraulic system components, *Advances in Production Engineering & Management,* Vol. 13, No. 4, 492–503, https://doi.org/10.14743/apem2018.4.306
305	Feng, X.; Ruan, Z.; Zhu, X.; Zhang, L.	Multi-objective transport network design with a reversible simulated annealing algorithm	2018, 13(4), 479-491, 10.14743/apem2018.4.305	Transport network design; Multi-objective optimisation modelling; Reversible simulated annealing algorithm; Genetic algorithm; Double temperatures; Network operation cost difference	Feng, X.; Ruan, Z.; Zhu, X.; Zhang, L. (2018). Multi-objective transport network design with a reversible simulated annealing algorithm, *Advances in Production Engineering & Management,* Vol. 13, No. 4, 479-491, https://doi.org/10.14743/apem2018.4.305
304	Wang, C.L.; Li, S.W.	Hybrid fruit fly optimization algorithm for solving multi-compartment vehicle routing problem in intelligent logistics	2018, 13(4), 466-478, 10.14743/apem2018.4.304	Intelligent Logistics; Vehicle routing problem (VRP); Multi-compartment vehicle (MCV); Bionic optimization; Fruit fly optimization algorithm (FOA)	Wang, C.L.; Li, S.W. (2018). Hybrid fruit fly optimization algorithm for solving multi-compartment vehicle routing problem in intelligent logistics, *Advances in Production Engineering & Management,* Vol. 13, No. 4, 466-478, https://doi.org/10.14743/apem2018.4.304
303	Duplak, J.; Hatala, M.; Duplakova, D.; Steranka, J.	Comprehensive analysis and study of the machinability of a high strength aluminum alloy (EN AW-AlZn5.5MgCu) in the high-feed milling	2018, 13(4), 455-465, 10.14743/apem2018.4.303	High-feed milling; High strength aluminum alloy (EN AW-AlZn5.5MgCu); Machinability; Efficiency; Optimization	Duplak, J.; Hatala, M.; Duplakova, D.; Steranka, J. (2018). Comprehensive analysis and study of the machinability of a high strength aluminum alloy (EN AW-AlZn5.5MgCu) in the high-feed milling, *Advances in Production Engineering & Management*, Vol. 13, No. 4, 455-465, https://doi.org/10.14743/apem2018.4.303
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301	Liu, Y.F.; Zhang, Q.S.	Multi-objective production planning model for equipment manufacturing enterprises with multiple uncertainties in demand	2018, 13(4), 429-441, 10.14743/apem2018.4.301	Production planning; Multiple uncertainties; Manufacturing enterprise; Multi-objective model; Non-dominated sorting genetic algorithm (NSGA-II)	Liu, Y.F.; Zhang, Q.S. (2018). Multi-objective production planning model for equipment manufacturing enterprises with multiple uncertainties in demand, *Advances in Production Engineering & Management,* Vol. 13, No. 4, 429-441, https://doi.org/10.14743/apem2018.4.301
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298	Xu, W.; Yin, Y.	Functional objectives decision-making of discrete manufacturing system based on integrated ant colony optimization and particle swarm optimization approach	2018, 13(4), 389-404, 10.14743/apem2018.4.298	Discrete manufacturing; Functional objectives; Decision-making; Ant colony optimization (ACO); Particle swarm optimization (PSO)	Xu, W.; Yin, Y. (2018). Functional objectives decision-making of discrete manufacturing system based on integrated ant colony optimization and particle swarm optimization approach, *Advances in Production Engineering & Management,* Vol. 13, No. 4, 389-404, https://doi.org/10.14743/apem2018.4.298
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295	Jian, M.; Wang, Y.L.	Decision-making strategies in supply chain management with a waste-averse and stockout-averse manufacturer	2018, 13(3), 345-357, 10.14743/apem2018.3.295	Decision-making strategy; Supply chain management; Waste-averse preferences; Stockout-averse preferences	Jian, M.; Wang, Y.L. (2018). Decision-making strategies in supply chain management with a waste-averse and stockout-averse manufacturer, *Advances in Production Engineering & Management,* Vol. 13, No. 3, 345-357, https://doi.org/10.14743/apem2018.3.295
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288	Yang, F.; Ye, C.M.; Shi, M.H.	A hybrid grey cuckoo search algorithm for job-shop scheduling problems under fuzzy conditions	2018, 13(3), 254-266, 10.14743/apem2018.3.288	Job-shop scheduling problem (JSP); Grey scheduling; Fuzzy condition; Cuckoo search (CS); Credibility; Possibility measure; Necessity measure	Yang, F.; Ye, C.M.; Shi, M.H. (2018). A hybrid grey cuckoo search algorithm for job-shop scheduling problems under fuzzy conditions, *Advances in Production Engineering & Management,* Vol. 13, No. 3, 254-266, https://doi.org/10.14743/apem2018.3.288
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284	Liu, Y.F.; Zhang, Q.S.	Solving multi-objective planning model for equipment manufacturing enterprises with dual uncertain demands using NSGA-II algorithm	2018, 13(2), 193-205, 10.14743/apem2018.2.284	Equipment manufacturing enterprises; Dual uncertain demand; Optimization; Multi objective model; Genetic algorithm; NSGA-II algorithm	Liu, Y.F.; Zhang, Q.S. (2018). Solving multi-objective planning model for equipment manufacturing enterprises with dual uncertain demands using NSGA-II algorithm, *Advances in Production Engineering & Management*, Vol. 13, No. 2, 193-205, https://doi.org/10.14743/apem2018.2.284
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273	Jurkovic, M.; Jurkovic, Z.; Buljan, S.; Obad, M	An experimental and modelling approach for improving utilization rate of the cold roll forming production line	2018, 13(1), 57-68, 10.14743/apem2018.1.273	Cold roll forming; Modelling; Experimental investigation; Response surface methodology; Force-roll load; Roll stand deflection	Jurkovic, M.; Jurkovic, Z.; Buljan, S.; Obad, M. (2018). An experimental and modelling approach for improving utilization rate of the cold roll forming production line, *Advances in Production Engineering & Management*, Vol. 13, No. 1, 057-068, https://doi.org/10.14743/apem2018.1.273
272	Ma, D.Y.; He, C.H.; Wang, S.Q.; Han, X.M.; Shi, X.H.	Solving fuzzy flexible job shop scheduling problem based on fuzzy satisfaction rate and differential evolution	2018, 13(1), 44-56, 10.14743/apem2018.1.272	Job shop scheduling problem (JSSP); Fuzzy flexible JSSP (FfJSSP); Differential evolution algorithm; Normal distribution; Local search	Ma, D.Y.; He, C.H.; Wang, S.Q.; Han, X.M.; Shi, X.H. (2018). Solving fuzzy flexible job shop scheduling problem based on fuzzy satisfaction rate and differential evolution, *Advances in Production Engineering & Management*, Vol. 13, No. 1, 044-056, https://doi.org/10.14743/apem2018.1.272
271	Huang, D.; Lin, Z.K.; Wei, W	Optimal production planning with capacity reservation and convex capacity costs	2018, 13(1), 31-43, 10.14743/apem2018.1.271	Production planning; Capacity reservation; Stochastic programming; Optimization; Optimal policy; Base-stock	Huang, D.; Lin, Z.K.; Wei, W. (2018). Optimal production planning with capacity reservation and convex capacity costs, *Advances in Production Engineering & Management*, Vol. 13, No. 1, 031-043, https://doi.org/10.14743/apem2018.1.271
270	Sekulic, M.; Pejic, V.; Brezocnik, M.; Gostimirovic, M.; Hadzistevic, M.	Prediction of surface roughness in the ball-end milling process using response surface methodology, genetic algorithms, and grey wolf optimizer algorithm	2018, 13(1), 18-30, 10.14743/apem2018.1.270	Ball-end milling; Surface roughness; Response surface methodology (RSM); Genetic algorithm (GA); Grey wolf optimizer algorithm (GWO)	Sekulic, M.; Pejic, V.; Brezocnik, M.; Gostimirovic, M.; Hadzistevic, M. (2018). Prediction of surface roughness in the ball-end milling process using response surface methodology, genetic algorithms, and grey wolf optimizer algorithm, *Advances in Production Engineering & Management*, Vol. 13, No. 1, 018-030, https://doi.org/10.14743/apem2018.1.270
269	Arghish, O.; Tavakkoli-Moghaddam, R.; Shahandeh-Nookabadi, A.; Rezaeian, J.	Comparison among four calibrated meta-heuristic algorithms for solving a type-2 fuzzy cell formation problem considering economic and environmental criteria	2018, 13(1), 5-17, 10.14743/apem2018.1.269	Cell formation; Environmental factor; Genetic algorithm; Particle swarm optimization; Harmony search; Differential evolution	Arghish, O.; Tavakkoli-Moghaddam, R.; Shahandeh-Nookabadi, A.; Rezaeian, J. (2018). Comparison among four calibrated meta-heuristic algorithms for solving a type-2 fuzzy cell formation problem considering economic and environmental criteria, *Advances in Production Engineering & Management*, Vol. 13, No. 1, 005-017, https://doi.org/10.14743/apem2018.1.269

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#	Authors	Paper title	2017, Vol(No), Pages, DOI	Key words	Citation data
268	Rihakova, L.; Chmelickova, H.	Laser drilling of alumina ceramics using solid state Nd:YAG laser and QCW fiber laser: Effect of process parameters on the hole geometry	2017, 12(4), 412-420, 10.14743/apem2017.4.268	Alumina ceramics, Laser drilling, Solid state Nd:YAG laser, QCW fiber laser, Hole geometry	Rihakova, L.; Chmelickova, H. (2017). Laser drilling of alumina ceramics using solid state Nd:YAG laser and QCW fiber laser: Effect of process parameters on the hole geometry, *Advances in Production Engineering & Management,* Vol. 12, No. 4, 412-420, https://doi.org/10.14743/apem2017.4.268
267	Cao, Q.K.; Yang, K.W.; Ren, X.Y.	Vehicle routing optimization with multiple fuzzy time windows based on improved wolf pack algorithm	2017, 12(4), 401-411, 10.14743/apem2017.4.267	Vehicle routing, Traffic flow, Multi fuzzy time windows, Wolf pack algorithm, Customer satisfaction	Cao, Q.K.; Yang, K.W.; Ren, X.Y. (2017). Vehicle routing optimization with multiple fuzzy time windows based on improved wolf pack algorithm, *Advances in Production Engineering & Management,* Vol. 12, No. 4, 401-411, https://doi.org/10.14743/apem2017.4.267
266	Radej, B.; Drnovšek, J.; Begeš, G.	An overview and evaluation of quality-improvement methods from the manufacturing and supply-chain perspective	2017, 12(4), 388-400, 10.14743/apem2017.4.266	Manufacturing, Supply chain, Quality methods, Quality tools, Quality function deployment (QFD)	Radej, B.; Drnovsek, J.; Beges, G. (2017). An overview and evaluation of quality-improvement methods from the manufacturing and supply-chain perspective, *Advances in Production Engineering & Management,* Vol. 12, No. 4, 388-400, https://doi.org/10.14743/apem2017.4.266
265	Martinec, T.; Škec, S.; Savšek, T.; Perišić, M.M.	Work sampling for the production development: A case study of a supplier in European automotive industry	2017, 12(4), 375-387, 10.14743/apem2017.4.265	Automotive industry, Production development, Project management, Teamwork, Work sampling	Martinec, T.; Skec, S.; Savsek, T.; Perisic, M.M. (2017). Work sampling for the production development: A case study of a supplier in European automotive industry, *Advances in Production Engineering & Management,* Vol. 12, No. 4, 375-387, https://doi.org/10.14743/apem2017.4.265
264	Wang, L.; Zhu, X.; Xie, Z.	Container assignment optimization considering overlapping amount and operation distance in rail-road transshipment terminal	2017, 12(4), 363-374, 10.14743/apem2017.4.264	Intermodal transportation, Container assignment, Terminal scheduling, Rail-road transshipment terminal, Optimization, Genetic algorithms	Wang, L.; Zhu, X.; Xie, Z. (2017). Container assignment optimization considering overlapping amount and operation distance in rail-road transshipment terminal, *Advances in Production Engineering & Management,* Vol. 12, No. 4, 363-374, https://doi.org/10.14743/apem2017.4.264
263	Masoudi, S.; Gholami, M.A.; Janghorban Iariche, M.; Vafadar, A.	Infrared temperature measurement and increasing infrared measurement accuracy in the context of machining process	2017, 12(4), 353-362, 10.14743/apem2017.4.263	Machining, IR temperature measurement, Emissivity, PCD tool, Carbide tool, Al-7075	Masoudi, S.; Gholami, M.A.; Janghorban Iariche, M.; Vafadar, A. (2017). Infrared temperature measurement and increasing infrared measurement accuracy in the context of machining process, *Advances in Production Engineering & Management,* Vol. 12, No. 4, 353-362, https://doi.org/10.14743/apem2017.4.263
262	Simeunović, N.; Kamenko, I.; Bugarski, V.; Jovanović, M.; Lalić, B.	Improving workforce scheduling using artificial neural networks model	2017, 12(4), 337-352, 10.14743/apem2017.4.262	Workforce scheduling, Production planning, ANN prediction, Operations management	Simeunovic, N.; Kamenko, I.; Bugarski, V.; Jovanovic, M.; Lalic, B. (2017). Improving workforce scheduling using artificial neural networks model, *Advances in Production Engineering & Management,* Vol. 12, No. 4, 337-352, https://doi.org/10.14743/apem2017.4.262
261	Nguyen, V.H.; Cheng, J.S.; Thai, V.T.	An integrated generalized discriminant analysis method and chemical reaction support vector machine model (GDA-CRSVM) for bearing fault diagnosis	2017, 12(4), 321-336, 10.14743/apem2017.4.261	Bearing fault, Expert fault diagnosis technique, Chemical reaction support vector machine (CRSVM), Multi-aspect feature set, Generalized discriminant analysis (GDA)	Nguyen, V.H.; Cheng, J.S.; Thai, V.T. (2017). An integrated generalized discriminant analysis method and chemical reaction support vector machine model (GDA-CRSVM) for bearing fault diagnosis, *Advances in Production Engineering & Management,* Vol. 12, No. 4, 321-336, https://doi.org/10.14743/apem2017.4.261
260	Yu, B.; Wu, E.; Chen, C.; Yang, Y.; Yao, B.Z.; Lin, Q.	A general approach to optimize disassembly sequence planning based on disassembly network: A case study from automotive industry	2017, 12(4), 305-320, 10.14743/apem2017.4.260	Automotive industry, Automotive parts, Disassembly sequence, Disassembly model, Disassembly network, Floyd-Warshall algorithm	Yu, B.; Wu, E.; Chen, C.; Yang, Y.; Yao, B.Z.; Lin, Q. (2017). A general approach to optimize disassembly sequence planning based on disassembly network: A case study from automotive industry, *Advances in Production Engineering & Management,* Vol. 12, No. 4, 305-320, https://doi.org/10.14743/apem2017.4.260
259	Jia, Y.; Tian, H.; Chen, C.; Wang, L.	Predicting the availability of production lines by combining simulation and surrogate model	2017, 12(3), 285-295, 10.14743/apem2017.3.259	Production lines, Availability prediction, Discrete event simulation (DES), Kriging model, Latin hypercube sampling (LHS)	Jia, Y.; Tian, H.; Chen, C.; Wang, L. (2017). Predicting the availability of production lines by combining simulation and surrogate model, *Advances in Production Engineering & Management*, Vol. 12, No. 3, 285-295, https://doi.org/10.14743/apem2017.3.259
258	Kongchuenjai, J.; Prombanpong, S.	An integer programming approach for process planning for mixed-model parts manufacturing on a CNC machining center	2017, 12(3), 274-284, 10.14743/apem2017.3.258	Flexible manufacturing system, Process planning (CAPP), Mixed-model, Integer programming	Kongchuenjai, J.; Prombanpong, S. (2017). An integer programming approach for process planning for mixed-model parts manufacturing on a CNC machining center, *Advances in Production Engineering & Management*, Vol. 12, No. 3, 274-284, https://doi.org/10.14743/apem2017.3.258
257	Kunpeng, Y.; Jiafu, S.; Hui, H.	Simulation of collaborative product development knowledge diffusion using a new cellular automata approach	2017, 12(3), 265-273, 10.14743/apem2017.3.257	Collaborative product development, Knowledge diffusion, Influencing factors, Cellular automata	Kunpeng, Y.; Jiafu, S.; Hui, H. (2017). Simulation of collaborative product development knowledge diffusion using a new cellular automata approach, *Advances in Production Engineering & Management*, Vol. 12, No. 3, 265-273, https://doi.org/10.14743/apem2017.3.257
256	Galeta, T.; Pakši, I.; Šišić, D.; Knežević, M.	Comparison of 3D scanned kidney stone model versus computer-generated models from medical images	2017, 12(3), 254-264, 10.14743/apem2017.3.256	Kidney stone, Medical images, 3D scanning, Computer tomography (CT), 3D model, Accuracy	Galeta, T.; Pakši, I.; Šišić, D.; Knežević, M. (2017). Comparison of 3D scanned kidney stone model versus computer-generated models from medical images, *Advances in Production Engineering & Management*, Vol. 12, No. 3, 254-264, https://doi.org/10.14743/apem2017.3.256
255	Horvatić Novak, A.; Runje, B.; Stepanić, J.	Capabilities of industrial computed tomography in the field of dimensional measurements	2017, 12(3), 245-253, 10.14743/apem2017.3.255	Metrology, Dimensional measurement, Metrological traceability, Computed tomography (CT)	Horvatić Novak, A.; Runje, B.; Stepanić, J. (2017). Capabilities of industrial computed tomography in the field of dimensional measurements, *Advances in Production Engineering & Management*, Vol. 12, No. 3, 245-253, https://doi.org/10.14743/apem2017.3.255
254	Gotlih, J.; Brezocnik, M.; Balic, J.; Karner, T.; Razborsek, B.; Gotlih, K.	Determination of accuracy contour and optimization of workpiece positioning for robot milling	2017, 12(3), 233-244, 10.14743/apem2017.3.254	Robot milling, Accuracy contours, Workpiece positioning, Non-dominated sorting, Genetic algorithm, Optimization	Gotlih, J.; Brezocnik, M.; Balic, J.; Karner, T.; Razborsek, B.; Gotlih, K. (2017). Determination of accuracy contour and optimization of workpiece positioning for robot milling, *Advances in Production Engineering & Management*, Vol. 12, No. 3, 233-244, https://doi.org/10.14743/apem2017.3.254
253	Zylka, L.; Burek, J.; Mazur, D.	Diagnostic of peripheral longitudinal grinding by using acoustic emission signal	2017, 12(3), 221-232, 10.14743/apem2017.3.253	Grinding, Grinding burns, Grinding wheel, Diagnostic, Acoustic emission	Zylka, L.; Burek, J.; Mazur, D. (2017). Diagnostic of peripheral longitudinal grinding by using acoustic emission signal, *Advances in Production Engineering & Management*, Vol. 12, No. 3, 221-232, https://doi.org/10.14743/apem2017.3.253
252	Zhou, F.L.; Wang, X.; He, Y.D.; Goh, M.	Production lot-sizing decision making considering bottle-neck drift in multi-stage manufacturing system	2017, 12(3), 213-220, 10.14743/apem2017.3.252	Manufacturing system, Multistage manufacturing system, Lot-sizing decision making, Lead time, Queuing network analyser (QNA)	Zhou, F.L.; Wang, X.; He, Y.D.; Goh, M. (2017). Production lot-sizing decision making considering bottle-neck drift in multi-stage manufacturing system, *Advances in Production Engineering & Management*, Vol. 12, No. 3, 213-220, https://doi.org/10.14743/apem2017.3.252
251	Ogrizek, B.; Rehar, T.; Leber, M.; Buchmeister, B.	Concept of intelligent supporting information system for development of new appliances	2017, 12(2), 196-204, 10.14743/apem2017.2.251	Product development, Home appliances, Neural networks, Intelligent system, Supporting information	Ogrizek, B.; Rehar, T.; Leber, M.; Buchmeister, B. (2017). Concept of intelligent supporting information system for development of new appliances, *Advances in Production Engineering & Management*, Vol. 12, No. 2, 196-204, https://doi.org/10.14743/apem2017.2.251
250	Zhu, X.D.; Li, B.Y.; Wang, Z.	A study on the manufacturing decision-making and optimization of hybrid-channel supply chain for original equipment manufacturer	2017, 12(2), 185-195, 10.14743/apem2017.2.250	Manufacturing, Supply chain, Supply chain management, Original equipment manufacturer, Decision-making optimization	Zhu, X.D.; Li, B.Y.; Wang, Z. (2017). A study on the manufacturing decision-making and optimization of hybrid-channel supply chain for original equipment manufacturer, *Advances in Production Engineering & Management*, Vol. 12, No. 2, 185-195, https://doi.org/10.14743/apem2017.2.250

249	Ren, X.Y.; Kong, Z.F.; Liang, W.C.; Li, H.C.; Zhou, X.Y.	Vehicle scheduling based on plant growth simulation algorithm and distribution staff behavior	2017, 12(2), 173-184, **10.14743/apem2017.2.249**	Vehicle scheduling, Logistics distribution, Staff satisfaction, Plant growth simulation algorithm	Ren, X.Y.; Kong, Z.F.; Liang, W.C.; Li, H.C.; Zhou, X.Y. (2017). Vehicle scheduling based on plant growth simulation algorithm and distribution staff behavior, *Advances in Production Engineering & Management*, Vol. 12, No. 2, 173-184, https://doi.org/10.14743/apem2017.2.249
248	Boyacı, A.İ.; Hatipoğlu, T.; Balcı, E.	Drilling process optimization by using fuzzy-based multi-response surface methodology	2017, 12(2), 163-172, **10.14743/apem2017.2.248**	Drilling, Optimization, Surface roughness, Cutting forces, Fuzzy logic, Multi-response surface methodology	Boyacı, A.İ.; Hatipoğlu, T.; Balcı, E. (2017). Drilling process optimization by using fuzzy-based multi-response surface methodology, *Advances in Production Engineering & Management*, Vol. 12, No. 2, 163-172, https://doi.org/10.14743/apem2017.2.248
247	Lukic, D.; Milosevic, M.; Antic, A.; Borojevic, S.; Ficko, M.	Multi-criteria selection of manufacturing processes in the conceptual process planning	2017, 12(2), 151-162, **10.14743/apem2017.2.247**	Manufacturing processes, Conceptual process planning, Multi-criteria decision making, Process selection	Lukic, D.; Milosevic, M.; Antic, A.; Borojevic, S.; Ficko, M. (2017). Multi-criteria selection of manufacturing processes in the conceptual process planning, *Advances in Production Engineering & Management*, Vol. 12, No. 2, 151-162, https://doi.org/10.14743/apem2017.2.247
246	Songmei, Y.; Xuebo, H.; Guangyuan, Z.; Amin, M.	A novel approach of applying copper nanoparticles in minimum quantity lubrication for milling of Ti-6Al-4V	2017, 12(2), 139-150, **10.14743/apem2017.2.246**	Copper nanoparticles, Minimum quantity lubrication (MQL), Cutting force, Surface roughness, Analysis of variance (ANOVA)	Songmei, Y.; Xuebo, H.; Guangyuan, Z.; Amin, M. (2017). A novel approach of applying copper nanoparticles in minimum quantity lubrication for milling of Ti-6Al-4V, *Advances in Production Engineering & Management*, Vol. 12, No. 2, 139-150, https://doi.org/10.14743/apem2017.2.246
245	Boorla, S.M.; Troldtoft, M.E.; Eifler, T.; Howard, T.J.	Quantifying the robustness of process manufacturing concept - A medical product case study	2017, 12(2), 127-138, **10.14743/apem2017.2.245**	Product robustness, Process manufacturing concept, Smart process manufacturing, Variation compensation, Industry 4.0	Boorla, S.M.; Troldtoft, M.E.; Eifler, T.; Howard, T.J. (2017). Quantifying the robustness of process manufacturing concept - A medical product case study, *Advances in Production Engineering & Management*, Vol. 12, No. 2, 127-138, https://doi.org/10.14743/apem2017.2.245
244	Gholamian, M.R.; Heydari, M.	An inventory model with METRIC approach in location-routing-inventory problem	2017, 12(2), 115-126, **10.14743/apem2017.2.244**	Location-inventory-routing, Supply chain, Integrated supply chain management, METRIC approach, Genetic algorithm, Simulated annealing	Gholamian, M.R.; Heydari, M. (2017). An inventory model with METRIC approach in location-routing-inventory problem, *Advances in Production Engineering & Management*, Vol. 12, No. 2, 115-126, https://doi.org/10.14743/apem2017.2.244
243	Kostadin, T.; Cukor, G.; Jakovljevic, S.	Analysis of corrosion resistance when turning martensitic stainless steel X20Cr13 under chilled air-cooling	2017, 12(2), 105-114, **10.14743/apem2017.2.243**	Turning, Stainless steel X20Cr13, Corrosion resistance, Chilled air-cooling, Vortex tube	Kostadin, T.; Cukor, G.; Jakovljevic, S. (2017). Analysis of corrosion resistance when turning martensitic stainless steel X20Cr13 under chilled air-cooling, *Advances in Production Engineering & Management*, Vol. 12, No. 2, 105-114, https://doi.org/10.14743/apem2017.2.243
242	Klobucar, R.; Acko, B.	Automatic high resolution measurement set-up for calibrating precise line scales	2017, 12(1), 88-96, **10.14743/apem2017.1.242**	Measurement, Line scales, High resolution measurements, Measurement uncertainty	Klobucar, R.; Acko, B. (2017). Automatic high resolution measurement set-up for calibrating precise line scales, *Advances in Production Engineering & Management*, Vol. 12, No. 1, 88-96, https://doi.org/10.14743/apem2017.1.242
241	Chen, D.; Lu, B.; Chen, G.; Yu, W.	Influence of the production fluctuation on the process energy intensity in iron and steel industry	2017, 12(1), 75-87, **10.14743/apem2017.1.241**	Iron and steel industry, Production fluctuation, Production state, Operating rate, Qualification rate, Process energy intensity	Chen, D.; Lu, B.; Chen, G.; Yu, W. (2017). Influence of the production fluctuation on the process energy intensity in iron and steel industry, *Advances in Production Engineering & Management*, Vol. 12, No. 1, 75-87, https://doi.org/10.14743/apem2017.1.241
240	Lv, Y.; Zhang, J.; Qin, W.	A genetic regulatory network-based sequencing method for mixed-model assembly lines	2017, 12(1), 62-74, **10.14743/apem2017.1.240**	Assembly line, Mixed-model sequencing, Work overload, Genetic regulatory network, Genetic algorithm	Lv, Y.; Zhang, J.; Qin, W. (2017). A genetic regulatory network-based sequencing method for mixed-model assembly lines, *Advances in Production Engineering & Management*, Vol. 12, No. 1, 62-74, https://doi.org/10.14743/apem2017.1.240
239	Gong, D.; Tang, M.; Liu, S.; Li, Q.	Reconsidering production coordination: A principal-agent theory-based analysis	2017, 12(1), 51-61, **10.14743/apem2017.1.239**	Principal-agent theory, Production coordination, Market returns, Information asymmetry, Incentive	Gong, D.; Tang, M.; Liu, S.; Li, Q. (2017). Reconsidering production coordination: A principal-agent theory-based analysis, *Advances in Production Engineering & Management*, Vol. 12, No. 1, 51-61, https://doi.org/10.14743/apem2017.1.239
238	Kumar, A.; Mussada, E.K.; Ashif, M.; Tyagi, D.; Srivastava, A.K.	Fuzzy Delphi and hybrid AH-MATEL integration for monitoring of paint utilization	2017, 12(1), 41-50, **10.14743/apem2017.1.238**	Automotive industry, Paint shop, Optimization, Paint consumption and utilization, AHP, DEMATEL	Kumar, A.; Mussada, E.K.; Ashif, M.; Tyagi, D.; Srivastava, A.K. (2017). Fuzzy Delphi and hybrid AH-MATEL integration for monitoring of paint utilization, *Advances in Production Engineering & Management*, Vol. 12, No. 1, 41-50, https://doi.org/10.14743/apem2017.1.238
237	Garcia-Alcaraz, J.L.; Maldonado-Macias, A.A.; Alor-Hernandez, G.; Sanchez-Ramirez, C.	The impact of information and communication technologies (ICT) on agility, operating, and economical performance of supply chain	2017, 12(1), 29-40, **10.14743/apem2017.1.237**	Supply chain, Information and communication technologies (ICT), Supply chain agility, Supply chain, flexibility, Economic performance	Garcia-Alcaraz, J.L.; Maldonado-Macias, A.A.; Alor-Hernandez, G.; Sanchez-Ramirez, C. (2017). The impact of information and communication technologies (ICT) on agility, operating, and economical performance of supply chain, *Advances in Production Engineering & Management*, Vol. 12, No. 1, 29-40, https://doi.org/10.14743/apem2017.1.237
236	Yin, F.P.; Gao, Q.; Ji, X.	Performance modelling based on value analysis for improving product development process architecture	2017, 12(1), 17-28, **10.14743/apem2017.1.236**	Product development process, Process performance, Process architecture, Value analysis, Effectiveness, Modelling	Yin, F.P.; Gao, Q.; Ji, X. (2017). Performance modelling based on value analysis for improving product development process architecture, *Advances in Production Engineering & Management*, Vol. 12, No. 1, 17-28, https://doi.org/10.14743/apem2017.1.236
235	Xu, H.; Bao, Z.R.; Zhang, T.	Solving dual flexible job-shop scheduling problem using a Bat Algorithm	2017, 12(1), 5-16, **10.14743/apem2017.1.235**	Flexible job-shop scheduling, Optimization, Process sequence flexibility, Machine selection flexibility, Bat algorithm, Genetic algorithm, Particle swarm optimization	Xu, H.; Bao, Z.R.; Zhang, T. (2017). Solving dual flexible job-shop scheduling problem using a Bat Algorithm, *Advances in Production Engineering & Management*, Vol. 12, No. 1, 5-16, https://doi.org/10.14743/apem2017.1.235

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234	Klancnik, S.; Hrelja, M.; Balic, J.; Brezocnik, M.	Multi-objective optimization of the turning process using a Gravitational Search Algorithm (GSA) and NSGA-II approach	2016, 11(4), 366-376, 10.14743/apem2016.4.234	Turning; Multi-objective optimization; Evolutionary algorithms; Particle swarm; Gravitational search algorithm, NSGA-II algorithm	Klancnik, S.; Hrelja, M.; Balic, J.; Brezocnik, M. (2016). Multi-objective optimization of the turning process using a Gravitational Search Algorithm (GSA) and NSGA-II approach, *Advances in Production Engineering & Management*, Vol. 11, No. 4, 366-376, http://dx.doi.org/10.14743/apem2016.4.234.
233	Banduka, N.; Veža, I.; Bilić, B.	An integrated lean approach to Process Failure Mode and Effect Analysis (PFMEA): A case study from automotive industry	2016, 11(4), 355-365, 10.14743/apem2016.4.233	Lean approach, Process failure mode and effect analysis (PFMEA), Automotive industry	Banduka, N.; Veza, I.; Bilic, B. (2016). An integrated lean approach to Process Failure Mode and Effect Analysis (PFMEA): A case study from automotive industry, *Advances in Production Engineering & Management*, Vol. 11, No. 4, 355-365, http://dx.doi.org/10.14743/apem2016.4.233.
232	Karabegović, E.; Poljak, J.	Experimental modeling of fluid pressure during hydroforming of welded plates	2016, 11(4), 345-354, 10.14743/apem2016.4.232	Forming, Hydroforming, Welding sheet metal, Fluid pressure, Modelling, Regression	Karabegovic, E.; Poljak, J. (2016). Experimental modeling of fluid pressure during hydroforming of welded plates, *Advances in Production Engineering & Management*, Vol. 11, No. 4, 345-354, http://dx.doi.org/10.14743/apem2016.4.232.
231	Chiu, Y.-S.P.; Kuo, J.-S.; Chiu, S.W.; Hsieh, Y.-T.	Effect of delayed differentiation on a multiproduct vendor-buyer integrated inventory system with rework	2016, 11(4), 333-344, 10.14743/apem2016.4.231	Multi-product vendor-buyer system, Production-shipment decision, Rework, Common intermediate part, Delayed differentiation	Chiu, Y.-S.P.; Kuo, J.-S.; Chiu, S.W.; Hsieh, Y.-T. (2016). Effect of delayed differentiation on a multiproduct vendor-buyer integrated inventory system with rework, *Advances in Production Engineering & Management*, Vol. 11, No. 4, 333-344, http://dx.doi.org/10.14743/apem2016.4.231.
230	Mandić, M.; Galeta, T.; Raos, P.; Jugović, V.	Dimensional accuracy of camera casing models 3D printed on Mcor IRIS: A case study	2016, 11(4), 324-332, 10.14743/apem2016.4.230	Additive manufacturing, 3D printing, Mcor IRIS, 3D scanning, Accuracy	Mandic, M.; Galeta, T.; Raos, P.; Jugovic, V. (2016). Dimensional accuracy of camera casing models 3D printed on Mcor IRIS: A case study, *Advances in Production Engineering & Management*, Vol. 11, No. 4, 324-332, http://dx.doi.org/10.14743/apem2016.4.230.
229	Boral, S.; Chakraborty, S.	A case-based reasoning approach for non-traditional machining processes selection	2016, 11(4), 311-323, 10.14743/apem2016.4.229	Non-traditional machining processes, Process selection, Artificial intelligence, Case-based reasoning	Boral, S.; Chakraborty, S. (2016). A case-based reasoning approach for non-traditional machining processes selection, *Advances in Production Engineering & Management*, Vol. 11, No. 4, 311-323, http://dx.doi.org/10.14743/apem2016.4.229.
228	Tang, M.; Gong, D.; Liu, S.; Zhang, H.	Applying multi-phase particle swarm optimization to solve bulk cargo port scheduling problem	2016, 11(4), 299-310, 10.14743/apem2016.4.228	Bulk cargo, Scheduling, Priority, Makespan, Multi-phase particle swarm optimization (MPPSO)	Tang, M.; Gong, D.; Liu, S.; Zhang, H. (2016). Applying multi-phase particle swarm optimization to solve bulk cargo port scheduling problem, *Advances in Production Engineering & Management*, Vol. 11, No. 4, 299-310, http://dx.doi.org/10.14743/apem2016.4.228.
227	Özkal, F.M.; Cakir, F.; Arkun, A.K.	Finite element method for optimum design selection of carport structures under multiple load cases	2016, 11(4), 287-298, 10.14743/apem2016.4.227	Structural producibility, Performance decision, Multiple load cases, Manufacturing,Finite element method	Ozkal, F.M.; Cakir, F.; Arkun, A.K. (2016). Finite element method for optimum design selection of carport structures under multiple load cases, *Advances in Production Engineering & Management*, Vol. 11, No. 4, 287-298, http://dx.doi.org/10.14743/apem2016.4.227.
226	Rao, R.V.; Rai, D.P.; Ramkumar, J.; Balic, J.	A new multi-objective Jaya algorithm for optimization of modern machining processes	2016, 11(4), 271-286, 10.14743/apem2016.4.226	Plasma arc machining, Electro-discharge machining, Micro-electro-discharge machining, Multi-objective optimization, Jaya algorithm, Posteriori approach, Sustainability	Rao, R.V.; Rai, D.P.; Ramkumar, J.; Balic, J. (2016). A new multi-objective Jaya algorithm for optimization of modern machining processes, *Advances in Production Engineering & Management*, Vol. 11, No. 4, 271-286, http://dx.doi.org/10.14743/apem2016.4.226.
225	Xiao, Y.J.; Zheng, Y.; Zhang, L.M.; Kuo, Y.H	A combined zone-LP and simulated annealing algorithm for unequal-area facility layout problem	2016, 11(4), 259-270, 10.14743/apem2016.4.225	Facility layout problem, Unequal area, Zone-LP approach, Simulated annealing	Xiao, Y.J.; Zheng, Y.; Zhang, L.M.; Kuo, Y.H. (2016). A combined zone-LP and simulated annealing algorithm for unequal-area facility layout problem, Advances in Production Engineering & Management, Vol. 11, No. 4, 259-270, http://dx.doi.org/10.14743/apem2016.4.225.
224	Masood, I.; Jahanzaib, M.; Haider, A.	Tool wear and cost evaluation of face milling grade 5 titanium alloy for sustainable machining	2016, 11(3), 239-250, 10.14743/apem2016.3.224	Titanium alloy, Milling, Sustainable machining, Machining cost, Tool life	Masood, I.; Jahanzaib, M.; Haider, A. (2016). Tool wear and cost evaluation of face milling grade 5 titanium alloy for sustainable machining, *Advances in Production Engineering & Management*, Vol. 11, No. 3, 239-250, http://dx.doi.org/10.14743/apem2016.3.224.
223	Mohamed, Omar A.; Masood, Syed H.; Bhowmik, Jahar L.	Investigation of dynamic elastic deformation of parts processed by fused deposition modeling additive manufacturing	2016, 11(3), 227-238, 10.14743/apem2016.3.223	Additive manufacturing, Fused deposition modeling (FDM), Dynamic modulus of elasticity, Fraction factorial design, Artificial neural network (ANN), Process parameters, Analysis of variance (ANOVA)	Mohamed, Omar A.; Masood, Syed H.; Bhowmik, Jahar L. (2016). Investigation of dynamic elastic deformation of parts processed by fused deposition modeling additive manufacturing, *Advances in Production Engineering & Management*, Vol. 11, No. 3, 227-238, http://dx.doi.org/10.14743/apem2016.3.223.
222	Ma, C.; Liu, X.; Zhang, H.; Wu, Y.	A green production strategies for carbon-sensitive products with a carbon cap policy	2016, 11(3), 216-226, 10.14743/apem2016.3.222	Production strategy, Carbon sensitive, Carbon cap policy	Ma, C.; Liu, X.; Zhang, H.; Wu, Y. (2016). A green production strategies for carbon-sensitive products with a carbon cap policy, *Advances in Production Engineering & Management*, Vol. 11, No. 3, 216-226, http://dx.doi.org/10.14743/apem2016.3.222.
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219	Raguraman, D.; Muruganandam, D.; Kumaraswami Dhas, L.A.	Studies of corrosion on AA 6061 and AZ 61 friction stir welded plates	2016, 11(3), 183-191, 10.14743/apem2016.3.219	Friction stir welding, AA 6061, AZ 61, Tool geometry, Corrosion behaviour	Raguraman, D.; Muruganandam, D.; Kumaraswami Dhas, L.A. (2016). Studies of corrosion on AA 6061 and AZ 61 friction stir welded plates, *Advances in Production Engineering & Management*, Vol. 11, No. 3, 183-191, http://dx.doi.org/10.14743/apem2016.3.219.
218	Ivanisevic, A.; Katic, I.; Buchmeister, B.; Leber, M.	Business plan feedback for cost effective business processes	2016, 11(3), 173-182, 10.14743/apem2016.3.218	Cost-effectiveness, Feedback, Business plan, Business process, External and internal influences	Ivanisevic, A.; Katic, I.; Buchmeister, B.; Leber, M. (2016). Business plan feedback for cost effective business processes, *Advances in Production Engineering & Management*, Vol. 11, No. 3, 173-182, http://dx.doi.org/10.14743/apem2016.3.218.
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216	Chiu, Y.P.; Chiang, K.-W.; Chiu, S.W.; Song, M.-S.	Simultaneous determination of production and shipment decisions for a multi-product inventory system with a rework process	2016, 11(2), 141-151, 10.14743/apem2016.2.216	Multi-product inventory system, Vendor-buyer integrated system, Intra-supply chain, Common production cycle time, Rework	Chiu, Y.P.; Chiang, K.-W.; Chiu, S.W.; Song, M.-S. (2016). Simultaneous determination of production and shipment decisions for a multi-product inventory system with a rework process, *Advances in Production Engineering & Management*, Vol. 11, No. 2, 141-151, http://dx.doi.org/10.14743/apem2016.2.216.
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213	Zuperl, U.; Radic, A.; Cus, F.; Irgolic, T.	Visual measurement of layer thickness in multi-layered functionally graded metal materials	2016, 11(2), 105-114, **10.14743/apem2016.2.213**	Functionally graded material, LENS, Visual measuring, Layer thickness, Machining	Zuperl, U.; Radic, A.; Cus, F.; Irgolic, T. (2016). Visual measurement of layer thickness in multi-layered functionally graded metal materials, *Advances in Production Engineering & Management*, Vol. 11, No. 2, 105-114, http://dx.doi.org/10.14743/apem2016.2.213.
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210	Ketan, H.; Nassir, M	Aluminium hot extrusion process capability improvement using Six Sigma	2016, 11(1), 59-69, **10.14743/apem2016.1.210**	Aluminium extrusion process, Six Sigma, DMAIC, Critical quality characteristics, Profit	Ketan, H.; Nassir, M. (2016). Aluminium hot extrusion process capability improvement using Six Sigma, *Advances in Production Engineering & Management*, Vol. 11, No. 1, 59-69, http://dx.doi.org/10.14743/apem2016.1.210.
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