

Papers published in 2018, Volume 13

#	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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 4, 455-465, https://doi.org/10.14743/apem2018.4.303
302	Shi, J.L.; Fan, S.J.; Wang, Y.J.; Cheng, J.S.	A quantitative analysis method of greenhouse gas emission for mechanical product remanufacturing based on Petri net	2018, 13(4), 442-454, 10.14743/apem2018.4.302	Mechanical product remanufacturing; Sustainability; Greenhouse gas emission (GHG); Petri nets; Resource consumption	Shi, J.L.; Fan, S.J.; Wang, Y.J.; Cheng, J.S. (2018). A quantitative analysis method of greenhouse gas emission for mechanical product remanufacturing based on Petri net, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 4, 442-454, https://doi.org/10.14743/apem2018.4.302
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, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 4, 429-441, https://doi.org/10.14743/apem2018.4.301
300	Vujica Herzog, N.; Buchmeister, B.; Beharic, A.; Gajsek, B.	Visual and optometric issues with smart glasses in Industry 4.0 working environment	2018, 13(4), 417-428, 10.14743/apem2018.4.300	Head-mounted display (HMD); Smart glasses; Industry 4.0; Warehouse; Manual order picking system	Vujica Herzog, N.; Buchmeister, B.; Beharic, A.; Gajsek, B. (2018). Visual and optometric issues with smart glasses in Industry 4.0 working environment, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 4, 417-428, https://doi.org/10.14743/apem2018.4.300
299	Azpen, Q.; Baharudin, H.; Sulaiman, S.; Mustapha, F.	Effect of process parameters on the surface roughness of aluminum alloy AA 6061-T6 sheets in frictional stir incremental forming	2018, 13(4), 405-416, 10.14743/apem2018.4.299	Friction stir forming; Incremental sheet forming (ISF); Heat-assisted ISF; Surface roughness; Aluminum alloy (AA6061-T6)	Azpen, Q.; Baharudin, H.; Sulaiman, S.; Mustapha, F. (2018). Effect of process parameters on the surface roughness of aluminum alloy AA 6061-T6 sheets in frictional stir incremental forming, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 4, 405-416, https://doi.org/10.14743/apem2018.4.299
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, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 4, 389-404, https://doi.org/10.14743/apem2018.4.298
297	Meolic, R.; Brezocnik, Z.	Flexible job shop scheduling using zero-suppressed binary decision diagrams	2018, 13(4), 373-388, 10.14743/apem2018.4.297	Process planning; Exact optimization; Flexible job shop scheduling; Unate cube set algebra; Zero-suppressed binary decision diagram	Meolic, R.; Brezocnik, Z. (2018). Flexible job shop scheduling using zero-suppressed binary decision diagrams, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 4, 373-388, https://doi.org/10.14743/apem2018.4.297
296	Gusel, L.; Boskovic, V.; Domitner, J.; Ficko, M.; Brezocnik, M.	Genetic programming method for modelling of cup height in deep drawing process	2018, 13(3), 358-365, 10.14743/apem2018.3.296	Metal forming; Deep drawing; Modelling; Genetic programming	Gusel, L.; Boskovic, V.; Domitner, J.; Ficko, M.; Brezocnik, M. (2018). Genetic programming method for modelling of cup height in deep drawing process, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 3, 358-365, https://doi.org/10.14743/apem2018.3.296
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, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 3, 345-357, https://doi.org/10.14743/apem2018.3.295
294	He, L.; Zhang, X.; Wang, Q.P.; Hu, C.L.	Game theoretic analysis of supply chain based on mean-variance approach under cap-and-trade policy	2018, 13(3), 333-344, 10.14743/apem2018.3.294	Supply chain; Cap-and-trade policy; Carbon emission; Game theoretic analysis; Mean-variance model	He, L.; Zhang, X.; Wang, Q.P.; Hu, C.L. (2018). Game theoretic analysis of supply chain based on mean-variance approach under cap-and-trade policy, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 3, 333-344, https://doi.org/10.14743/apem2018.3.294
293	Wang, X.P.; Wang, M.; Ruan, J.H.; Li, Y.	Multi-objective optimization for delivering perishable products with mixed time windows	2018, 13(3), 321-332, 10.14743/apem2018.3.293	Perishable products distribution; Multi-objective optimization; Mixed time windows; Freshness; Heuristic algorithm; Spatio-temporal distance	Wang, X.P.; Wang, M.; Ruan, J.H.; Li, Y. (2018). Multi-objective optimization for delivering perishable products with mixed time windows, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 3, 321-332, https://doi.org/10.14743/apem2018.3.293
292	Yang, Z.J.; Du, X.J.; Chen, F.; Chen, C.H.; Tian, H.L.; He, J.L.	Change-point estimation for repairable systems combining bootstrap control charts and clustering analysis: Performance analysis and a case study	2018, 13(3), 307-320, 10.14743/apem2018.3.292	Change-point estimation; CNC machine tools; Non-homogeneous Poisson process (NHPP); Statistical process control (SPC); Bath-tub-shape behaviour; Clustering	Yang, Z.J.; Du, X.J.; Chen, F.; Chen, C.H.; Tian, H.L.; He, J.L. (2018). Change-point estimation for repairable systems combining bootstrap control charts and clustering analysis: Performance analysis and a case study, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 3, 307-320, https://doi.org/10.14743/apem2018.3.292
291	Li, Y.; Yang, Z.J.; Chen, C.; Song, Y.X.; Zhang, J.J.; Du, D.W.	An integral algorithm for instantaneous uncut chip thickness measuring in the milling process	2018, 13(3), 297-306, 10.14743/apem2018.3.291	Milling; Instantaneous uncut chip thickness; Dynamic cutting forces; Integral algorithm	Li, Y.; Yang, Z.J.; Chen, C.; Song, Y.X.; Zhang, J.J.; Du, D.W. (2018). An integral algorithm for instantaneous uncut chip thickness measuring in the milling process, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 3, 297-306, https://doi.org/10.14743/apem2018.3.291
290	Yu, M.R.; Yang, B.; Chen, Y.	Dynamic integration of process planning and scheduling using a discrete particle swarm optimization algorithm	2018, 13(3), 279-296, 10.14743/apem2018.3.290	Process planning; Scheduling; Dynamic integration; Mathematical model; Optimization; Discrete particle swarm optimization (DPSO)	Yu, M.R.; Yang, B.; Chen, Y. (2018). Dynamic integration of process planning and scheduling using a discrete particle swarm optimization algorithm, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 3, 279-296, https://doi.org/10.14743/apem2018.3.290
289	Ameen, W.; Al-Ahmari, A.; Mohammed, M.K.; Abdulhameed, O.; Umer, U.; Moiduddin, K.	Design, finite element analysis (FEA), and fabrication of custom titanium alloy cranial implant using electron beam melting additive manufacturing	2018, 13(3), 267-278, 10.14743/apem2018.3.289	Additive manufacturing; Cranial implant; Titanium alloy (Ti6Al4V); Electron beam melting (EBM); Finite element analysis (FEA)	Ameen, W.; Al-Ahmari, A.; Mohammed, M.K.; Abdulhameed, O.; Umer, U.; Moiduddin, K. (2018). Design, finite element analysis (FEA), and fabrication of custom titanium alloy cranial implant using electron beam melting additive manufacturing, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 3, 267-278, https://doi.org/10.14743/apem2018.3.289
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, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 3, 254-266, https://doi.org/10.14743/apem2018.3.288

287	Hussain, S.; Jahanzaib, M.	Sustainable manufacturing – An overview and a conceptual framework for continuous transformation and competitiveness	2018, 13(3), 237-253, 10.14743/apem2018.3.287	Sustainable manufacturing (SM); Sustainability; Circular economy (CE); Strategy; Architecture; Capabilities; Systems thinking (ST)	Hussain, S.; Jahanzaib, M. (2018). Sustainable manufacturing – An overview and a conceptual framework for continuous transformation and competitiveness, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 3, 237-253, https://doi.org/10.14743/apem2018.3.287
286	Pourjavad, E.; Mayorga, R.V.	Optimization of a sustainable closed loop supply chain network design under uncertainty using multi-objective evolutionary algorithms	2018, 13(2), 216-228, 10.14743/apem2018.2.286	Closed loop supply chain; Evolutionary algorithms; Network design; Sustainability; Multi-objective optimization	Pourjavad, E.; Mayorga, R.V. (2018). Optimization of a sustainable closed loop supply chain network design under uncertainty using multi-objective evolutionary algorithms, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 2, 216-228, https://doi.org/10.14743/apem2018.2.286
285	Banduka, N.; Tadic, D.; Macuzic, I.; Crnjac, M.	Extended process failure mode and effect analysis (PFMEA) for the automotive industry: The FSQC-PFMEA	2018, 13(2), 206-215, 10.14743/apem2018.2.285	Automotive industry; Process failure mode and effect analysis (PFMEA); FSQC-PFMEA; Fuzzy AHP	Banduka, N.; Tadic, D.; Macuzic, I.; Crnjac, M. (2018). Extended process failure mode and effect analysis (PFMEA) for the automotive industry: The FSQC-PFMEA, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 2, 206-215, https://doi.org/10.14743/apem2018.2.285
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, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 2, 193-205, https://doi.org/10.14743/apem2018.2.284
283	Avelar-Sosa, L.; Garcia-Alcaraz, J.L.; Maldonado-Macias, A.A.; Mejia-Munoz, J.M.	Application of structural equation modelling to analyse the impacts of logistics services on risk perception, agility and customer service level	2018, 13(2), 179-192, 10.14743/apem2018.2.283	Logistics services; Perception risk; Customer service; Agility; Supply chain	Avelar-Sosa, L.; Garcia-Alcaraz, J.L.; Maldonado-Macias, A.A.; Mejia-Munoz, J.M. (2018). Application of structural equation modelling to analyse the impacts of logistics services on risk perception, agility and customer service level, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 2, 179-192, https://doi.org/10.14743/apem2018.2.283
282	Wu, Q.; Wang, X.; He, Y.D.; Xuan, J.; He, W.D.	A robust hybrid heuristic algorithm to solve multi-plant milk-run pickup problem with uncertain demand in automobile parts industry	2018, 13(2), 169-178, 10.14743/apem2018.2.282	Milk-run pickup problem; Optimization; Uncertain demand; Hybrid heuristic algorithm; Adaptive genetic algorithm; Local search	Wu, Q.; Wang, X.; He, Y.D.; Xuan, J.; He, W.D. (2018). A robust hybrid heuristic algorithm to solve multi-plant milk-run pickup problem with uncertain demand in automobile parts industry, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 2, 169-178, https://doi.org/10.14743/apem2018.2.282
281	Knezovic, N.; Dolsak, B.	In-process non-destructive ultrasonic testing application during wire plus arc additive manufacturing	2018, 13(2), 158-168, 10.14743/apem2018.2.281	Additive manufacturing; Wire plus arc additive manufacturing; Non-destructive testing; Ultrasonic testing; Repairs in-situ	Knezovic, N.; Dolsak, B. (2018). In-process non-destructive ultrasonic testing application during wire plus arc additive manufacturing, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 2, 158-168, https://doi.org/10.14743/apem2018.2.281
280	Cao, Q.K.; Qin, M.N.; Ren, X.Y.	Bi-level programming model and genetic simulated annealing algorithm for inland collection and distribution system optimization under uncertain demand	2018, 13(2), 147-157, 10.14743/apem2018.2.280	Inland collection and distribution system; Uncertain demand; Optimization; Bi-level programming model; Genetic simulated annealing algorithm	Cao, Q.K.; Qin, M.N.; Ren, X.Y. (2018). Bi-level programming model and genetic simulated annealing algorithm for inland collection and distribution system optimization under uncertain demand, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 2, 147-157, https://doi.org/10.14743/apem2018.2.280
279	Lebbar, G.; El Abbassi, I.; Jabri, A.; El Barkany, A.; Darcherif, M.	Multi-criteria blocking flow shop scheduling problems: Formulation and performance analysis	2018, 13(2), 136-146, 10.14743/apem2018.2.279	Permutation flow shop scheduling; Tardiness; Makespan; Limited buffer; Release date; Mixed-integer linear programming model (MLP); CPLEX software	Lebbar, G.; El Abbassi, I.; Jabri, A.; El Barkany, A.; Darcherif, M. (2018). Multi-criteria blocking flow shop scheduling problems: Formulation and performance analysis, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 2, 136-146, https://doi.org/10.14743/apem2018.2.279
278	Borojevic, S.; Lukic, D.; Milosevic, M.; Vukman, J.; Kramar, D.	Optimization of process parameters for machining of Al 7075 thin-walled structures	2018, 13(2), 125-135, 10.14743/apem2018.2.278	Thin-walled structures; Aluminium alloy Al 7075; Optimization; Response surface methodology; Machining process parameters; Milling	Borojevic, S.; Lukic, D.; Milosevic, M.; Vukman, J.; Kramar, D. (2018). Optimization of process parameters for machining of Al 7075 thin-walled structures, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 2, 125-135, https://doi.org/10.14743/apem2018.2.278
277	Leber, M.; Bastic, M.; Moody, L.; Schmidt Krajnc, M.	A study of the impact of ergonomically designed workplaces on employee productivity	2018, 13(1), 107-117, 10.14743/apem2018.1.277	Productivity; Satisfaction; People with disabilities; Workplace ergonomics	Leber, M.; Bastic, M.; Moody, L.; Schmidt Krajnc, M. (2018). A study of the impact of ergonomically designed workplaces on employee productivity, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 1, 107-117, https://doi.org/10.14743/apem2018.1.277
276	Somboonwiwat, T.; Khompatraporn, C.; Miengarrom, T.; Lerdluechachai, K.	A bi-objective environmental-economic optimisation of hot-rolled steel coils supply chain: A case study in Thailand	2018, 13(1), 93-106, 10.14743/apem2018.1.276	Hot-rolled steel coils; Supply chain; Environmental-economic optimisation; Energy consumption; CO2 emission; Multi-modal transportation	Somboonwiwat, T.; Khompatraporn, C.; Miengarrom, T.; Lerdluechachai, K. (2018). A bi-objective environmental-economic optimisation of hot-rolled steel coils supply chain: A case study in Thailand, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 1, 93-106, https://doi.org/10.14743/apem2018.1.276
275	Gong, D.; Liu, S.; Tang, M.; Ren, L.; Liu, J.; Liu, X.	Revenue sharing or profit sharing? An internet production perspective	2018, 13(1), 81-92, 10.14743/apem2018.1.275	Horizontal competition; Internet production; Platform eco-system; Profit sharing; Revenue sharing	Gong, D.; Liu, S.; Tang, M.; Ren, L.; Liu, J.; Liu, X. (2018). Revenue sharing or profit sharing? An internet production perspective, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 1, 81-92, https://doi.org/10.14743/apem2018.1.275
274	Baynal, K.; Sari, T.; Akpinar, B.	Risk management in automotive manufacturing process based on FMEA and grey relational analysis: A case study	2018, 13(1), 69-80, 10.14743/apem2018.1.274	Automotive manufacturing; Risk management; Failure modes and effect analysis (FMEA); Grey relational analysis (GRA)	Baynal, K.; Sari, T.; Akpinar, B. (2018). Risk management in automotive manufacturing process based on FMEA and grey relational analysis: A case study, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 1, 69-80, https://doi.org/10.14743/apem2018.1.274
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, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 1, 57-68, 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, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 1, 44-56, 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, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 1, 31-43, 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, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 1, 18-30, 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, <i>Advances in Production Engineering & Management</i> , Vol. 13, No. 1, 5-17, https://doi.org/10.14743/apem2018.1.269

Papers published in 2017, Volume 12

#	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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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.; Sकेc, S.; Savšek, T.; Perisic, M.M. (2017). Work sampling for the production development: A case study of a supplier in European automotive industry, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, AI-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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , Vol. 12, No. 3, 265-273, https://doi.org/10.14743/apem2017.3.257
256	Galet, 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	Galet, T.; Pakši, I.; Šišić, D.; Knežević, M. (2017). Comparison of 3D scanned kidney stone model versus computer-generated models from medical images, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , Vol. 12, No. 2, 139-150, https://doi.org/10.14743/apem2017.2.246
245	Boorla, S.M.; Trolldoft, 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.; Trolldoft, M.E.; Eifler, T.; Howard, T.J. (2017). Quantifying the robustness of process manufacturing concept - A medical product case study, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , Vol. 12, No. 1, 5-16, https://doi.org/10.14743/apem2017.1.235

Papers published in 2016, Volume 11

#	Authors	Paper title	2016, Vol(No), Pages, DOI	Key words	Citation data
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, <i>Advances in Production Engineering & Management</i> , 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.; Veža, I.; Bilić, B. (2016). An integrated lean approach to Process Failure Mode and Effect Analysis (PFMEA): A case study from automotive industry, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 3, 216-226, http://dx.doi.org/10.14743/apem2016.3.222 .
221	He, H.; Jian, M.; Fang, X.	Consideration of a buyback contract model that features game-leading marketing strategies	2016, 11(3), 207-215, 10.14743/apem2016.3.221	Buyback contract, Marketing strategy, Supply chain coordination	He, H.; Jian, M.; Fang, X. (2016). Consideration of a buyback contract model that features game-leading marketing strategies, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 3, 207-215, http://dx.doi.org/10.14743/apem2016.3.221 .
220	Yilmaz, O.F.; Cevikcan, E.; Durmusoglu, M.B.	Scheduling batches in multi hybrid cell manufacturing system considering worker resources: A case study from pipeline industry	2016, 11(3), 192-206, 10.14743/apem2016.3.220	Batch scheduling, Hybrid manufacturing cells, Hybrid cells batch scheduling, Goal programming, Heuristic, HCBS heuristic	Yilmaz, O.F.; Cevikcan, E.; Durmusoglu, M.B. (2016). Scheduling batches in multi hybrid cell manufacturing system considering worker resources: A case study from pipeline industry, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 3, 192-206, http://dx.doi.org/10.14743/apem2016.3.220 .
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, <i>Advances in Production Engineering & Management</i> , 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, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 3, 173-182, http://dx.doi.org/10.14743/apem2016.3.218 .
217	Boorla, S.M.; Howard, T.J.	Production monitoring system for understanding product robustness	2016, 11(3), 159-172, 10.14743/apem2016.3.217	Product robustness, Performance variation, Robustness monitoring system, Performance consistency, Unit to unit robustness	Boorla, S.M.; Howard, T.J. (2016). Production monitoring system for understanding product robustness, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 3, 159-172, http://dx.doi.org/10.14743/apem2016.3.217 .
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, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 2, 141-151, http://dx.doi.org/10.14743/apem2016.2.216 .
215	Kumar, S.; Muralidhar, M.	Analysis for prevalence of carpal tunnel syndrome in shocker manufacturing workers	2016, 11(2), 126-140, 10.14743/apem2016.2.215	Manufacturing workers, Musculoskeletal disorders, Carpal tunnel syndrome, Fisher's exact test, Surface	Kumar, S.; Muralidhar, M. (2016). Analysis for prevalence of carpal tunnel syndrome in shocker manufacturing workers, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 2, 126-

				electromyography	140, http://dx.doi.org/10.14743/apem2016.2.215 .
214	Omega, R.S.; Noel, V.M.; Masbad, J.G.; Ocampo, L.A.	Modelling supply risks in interdependent manufacturing systems: A case study	2016, 11(2), 115-125, 10.14743/apem2016.2.2014	Manufacturing systems, Supply chain, Supply risk analysis, Modelling, Supply-driven inoperability, Input-output model	Omega, R.S.; Noel, V.M.; Masbad, J.G.; Ocampo, L.A. (2016). Modelling supply risks in interdependent manufacturing systems: A case study, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 2, 115-125, http://dx.doi.org/10.14743/apem2016.2.2014 .
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, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 2, 105-114, http://dx.doi.org/10.14743/apem2016.2.213 .
212	Simunovic, G.; Svalina, I.; Simunovic, K.; Saric, T.; Havrlisan, S.; Vukelic, D.	Surface roughness assessing based on digital image features	2016, 11(2), 93-104, 10.14743/apem2016.2.212	Surface roughness, Face milling, Digital image, Adaptive neuro-fuzzy inference system	Simunovic, G.; Svalina, I.; Simunovic, K.; Saric, T.; Havrlisan, S.; Vukelic, D. (2016). Surface roughness assessing based on digital image features, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 2, 93-104, http://dx.doi.org/10.14743/apem2016.2.212 .
211	Wang, J.F.; Kang, W.L.; Zhao, J.L.; Chu, K.Y.	A simulation approach to the process planning problem using a modified particle swarm optimization	2016, 11(2), 77-92, 10.14743/apem2016.2.211	Process planning, Operation determining, Operation sequencing, Particle swarm optimization, Extended operator	Wang, J.F.; Kang, W.L.; Zhao, J.L.; Chu, K.Y. (2016). A simulation approach to the process planning problem using a modified particle swarm optimization, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 2, 77-92, http://dx.doi.org/10.14743/apem2016.2.211 .
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, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 1, 59-69, http://dx.doi.org/10.14743/apem2016.1.210 .
209	Al-Refaie, A.; Sy, E.; Rawabdeh, I.; Alaween, W.	Integration of SWOT and ANP for effective strategic planning in the cosmetic industry	2016, 11(1), 49-58, 10.14743/apem2016.1.209	Cosmetic industry, Analytic network process (ANP), SWOT analysis, Strategic planning	Al-Refaie, A.; Sy, E.; Rawabdeh, I.; Alaween, W. (2016). Integration of SWOT and ANP for effective strategic planning in the cosmetic industry, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 1, 49-58, http://dx.doi.org/10.14743/apem2016.1.209 .
208	Ramadan, S.	A bi-objective inspection policy optimization model for finite-life repairable systems using a genetic algorithm	2016, 11(1), 38-48, 10.14743/apem2016.1.208	Aperiodic inspection, Periodic inspection, Delay-time, Multi-objective optimization, Genetic algorithms	Ramadan, S. (2016). A bi-objective inspection policy optimization model for finite-life repairable systems using a genetic algorithm, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 1, 38-48, http://dx.doi.org/10.14743/apem2016.1.208 .
207	Ismail, M.I.S.; Afieq, W.M.	Thermal analysis on a weld joint of aluminium alloy in gas metal arc welding	2016, 11(1), 29-37, 10.14743/apem2016.1.207	Gas metal arc welding, Aluminium alloy, Weld bead profile, Finite element model, Thermal analysis	Ismail, M.I.S.; Afieq, W.M. (2016). Thermal analysis on a weld joint of aluminium alloy in gas metal arc welding, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 1, 29-37, http://dx.doi.org/10.14743/apem2016.1.207 .
206	Prasad, K.; Chakraborty, S.	A knowledge-based system for end mill selection	2016, 11(1), 15-28, 10.14743/apem2016.1.206	End mill, Decision making, Knowledge-based system, Entropy method, Rank	Prasad, K.; Chakraborty, S. (2016). A knowledge-based system for end mill selection, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 1, 15-28, http://dx.doi.org/10.14743/apem2016.1.206 .
205	Agunsoye, J.O.; Bello, S.A.; Bello, L.; Idehenre, M.M.	Assessment of mechanical and wear properties of epoxy-based hybrid composites	2016, 11(1), 5-14, 10.14743/apem2016.1.205	Epoxy resin, Composite, Glass particle, Graphite particle, Mechanical properties, Wear properties	Agunsoye, J.O.; Bello, S.A.; Bello, L.; Idehenre, M.M. (2016). Assessment of mechanical and wear properties of epoxy-based hybrid composites, <i>Advances in Production Engineering & Management</i> , Vol. 11, No. 1, 5-14, http://dx.doi.org/10.14743/apem2016.1.205 .

Papers published in 2015, Volume 10

#	Authors	Paper title	2015, Vol(No), Pages, DOI	Key words	Citation data
204	Bhuyan, R.K.; Routara, B.C.; Parida, A.K.	Using entropy weight, OEC and fuzzy logic for optimizing the parameters during EDM of Al-24 % SiCP MMC	2015, 10(4), 217-227, 10.14743/apem2015.4.204	Electrical discharge machining, Aluminium MMC, Entropy weight measurement, Overall evaluation criteria, Fuzzy logic	Bhuyan, R.K.; Routara, B.C.; Parida, A.K. (2015). Using entropy weight, OEC and fuzzy logic for optimizing the parameters during EDM of Al-24 % SiC, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 4, 217-227, http://dx.doi.org/10.14743/apem2015.4.204 .
203	Lipus, L.C.; Hamler, A.; Ban, I.; Acko, B.	Permanent magnets for water-scale prevention	2015, 10(4), 209-216, 10.14743/apem2015.4.203	Scale control, Calcium carbonate, Magnetic water treatment, Permanent magnets, Modelling	Lipus, L.C.; Hamler, A.; Ban, I.; Acko, B. (2015). Permanent magnets for water-scale prevention, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 4, 209-216, http://dx.doi.org/10.14743/apem2015.4.203 .
202	Senthilkumar, N.; Sudha, J.; Muthukumar, V.	A grey-fuzzy approach for optimizing machining parameters and the approach angle in turning AISI 1045 steel	2015, 10(4), 195-208, 10.14743/apem2015.4.202	Machining parameters, Approach angle, Grey relational analysis, Fuzzy logic, ANOVA	Senthilkumar, N.; Sudha, J.; Muthukumar, V. (2015). A grey-fuzzy approach for optimizing machining parameters and the approach angle in turning AISI 1045 steel, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 4, 195-208, http://dx.doi.org/10.14743/apem2015.4.202 .
201	Karabegović, I.; Karabegović, E.; Mahmić, M.; Husak, E.	The application of service robots for logistics in manufacturing processes	2015, 10(4), 185-194, 10.14743/apem2015.4.201	Service robots, Automatic guided vehicles, Logistics, Transportation, Manufacturing process, Assembly process	Karabegović, I.; Karabegović, E.; Mahmić, M.; Husak, E. (2015). The application of service robots for logistics in manufacturing processes application, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 4, 185-194, http://dx.doi.org/10.14743/apem2015.4.201 .
200	Haider, A.; Mirza, J.; Ahmad, W.	Lean capacity planning for tool room: An iterative system improvement approach	2015, 10(4), 169-184, 10.14743/apem2015.4.200	Capacity planning, Lean thinking, Manufacturing, Tool room, Simulation	Haider, A.; Mirza, J.; Ahmad, W. (2015). Lean capacity planning for tool room: An iterative system improvement approach, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 4, 169-184, http://dx.doi.org/10.14743/apem2015.4.200 .
199	Reddy, A.C.S.; Rajesham, S.; Reddy, P.R.	Experimental and simulation study on the warm deep drawing of AZ31 alloy	2015, 10(3), 153-161, 10.14743/apem2015.3.199	Drawing, Limiting drawing ratio (LDR), Worm forming, Anisotropy, Forming limit diagram	Reddy, A.C.S.; Rajesham, S.; Reddy, P.R. (2015). Experimental and simulation study on the warm deep drawing of AZ31 alloy, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 3, 153-161, http://dx.doi.org/10.14743/apem2015.3.199 .
198	Sridhar, G.; Ramesh Babu, P.	Effect of a milling cutter diameter on distortion due to the machining of thin wall thin floor components	2015, 10(3), 140-152, 10.14743/apem2015.3.198	Milling, Thin wall thin floor, Distortion, Cutter size	Sridhar, G.; Ramesh Babu, P. (2015). Effect of a milling cutter diameter on distortion due to the machining of thin wall thin floor components, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 3, 140-152, http://dx.doi.org/10.14743/apem2015.3.198 .
197	Ocampo, L.A.; Clark, E.E.; Tanudtanud, K.V.G.; Ocampo, C.O.V.; Impas Sr., C.G.; Vergara, V.G.; Pastoril, J.; Tordillo, J.A.S.	An integrated sustainable manufacturing strategy framework using fuzzy analytic network process	2015, 10(3), 125-139, 10.14743/apem2015.3.197	Manufacturing strategy, Sustainability, Uncertainty, Analytic network process, Fuzzy set theory	Ocampo, L.A.; Clark, E.E.; Tanudtanud, K.V.G.; Ocampo, C.O.V.; Impas Sr., C.G.; Vergara, V.G.; Pastoril, J.; Tordillo, J.A.S. (2015). An integrated sustainable manufacturing strategy framework using fuzzy analytic network process, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 3, 125-139, http://dx.doi.org/10.14743/apem2015.3.197 .
196	Mahmoud, E.R.I.	Characterizations of 304 stainless steel laser clad with titanium carbide particles	2015, 10(3), 115-124, 10.14743/apem2015.3.196	Laser cladding, 304 stainless steel alloy, TiC particles, Microhardness, Wear and corrosion resistance	Mahmoud, E.R.I. (2015). Characterizations of 304 stainless steel laser clad with titanium carbide particles, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 3, 115-124, http://dx.doi.org/10.14743/apem2015.3.196 .
195	Agunsoye, J.O.; Talabi, S.I.; Bello, O.	Wear characteristics of heat-treated Hadfield austenitic manganese steel for engineering application	2015, 10(2), 97-107, 10.14743/apem2015.2.195	Manganese steel, Wear behaviour, Solution heat treatment, Microstructure, Hardness	Agunsoye, J.O.; Talabi, S.I.; Bello, O. (2015). Wear characteristics of heat-treated Hadfield austenitic manganese steel for engineering application, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 2, 97-107, http://dx.doi.org/10.14743/apem2015.2.195 .
194	McCaslin, S.E.; Young, M.	Increasing student motivation and knowledge in mechanical engineering by using action cameras and video productions	2015, 10(2), 87-96, 10.14743/apem2015.2.194	Mechanical engineering, Student learning, Materials management, Action camera, Video production	McCaslin, S.E.; Young, M. (2015). Increasing student motivation and knowledge in mechanical engineering by using action cameras and video productions, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 2, 87-96, http://dx.doi.org/10.14743/apem2015.2.194 .
193	Mitra, N.S.; Doloi, B.; Bhattacharyya, B.	Predictive analysis of criterial yield during travelling wire electrochemical discharge machining of Hylam based composites	2015, 10(2), 73-86, 10.14743/apem2015.2.193	TW-ECDM, Groove cutting, Fibre reinforced composites, Taguchi method, Artificial neural nets	Mitra, N.S.; Doloi, B.; Bhattacharyya, B. (2015). Predictive analysis of criterial yield during travelling wire electrochemical discharge machining of Hylam based composites, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 2, 73-86, http://dx.doi.org/10.14743/apem2015.2.193 .
192	Tamang, S.K.; Chandrasekaran, M.	Modeling and optimization of parameters for minimizing surface roughness and tool wear in turning Al/SiCp MMC, using conventional and soft computing techniques	2015, 10(2), 59-72, 10.14743/apem2015.2.192	Metal matrix composite, Surface roughness, Tool wear, Response surface methodology, Artificial neural network, Genetic algorithm, Desirability function analysis	Tamang, S.K.; Chandrasekaran, M. (2015). Modeling and optimization of parameters for minimizing surface roughness and tool wear in turning Al/SiCp MMC, using conventional and soft computing techniques, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 2, 59-72, http://dx.doi.org/10.14743/apem2015.2.192 .
191	Ocampo, Lanndon A.	A hierarchical framework for index computation in sustainable manufacturing	2015, 10(1), 40-50, 10.14743/apem2015.1.191	Manufacturing, Sustainability, Index computation, Analytic hierarchy process	Ocampo, Lanndon A. (2015). A hierarchical framework for index computation in sustainable manufacturing, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 1, 40-50, http://dx.doi.org/10.14743/apem2015.1.191 .
190	Koren, R.; Palčič, I.	The impact of technical and organisational innovation concepts on product characteristics	2015, 10(1), 27-39, 10.14743/apem2015.1.190	Innovation, Organisational innovation, Technical innovation, Sources of innovation, Product complexity	Koren, R.; Palčič, I. (2015). The impact of technical and organisational innovation concepts on product characteristics, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 1, 27-39, http://dx.doi.org/10.14743/apem2015.1.190 .
189	Mwinuka, T.E.; Mgwatu, M.I.	Tool selection for rough and finish CNC milling operations based on tool-path generation and machining optimisation	2015, 10(1), 18-26, 10.14743/apem2015.1.189	CAD/CAM, Milling operations, Machining optimisation, Nonlinear programming, Tool-path generation, Tool selection	Mwinuka, T.E.; Mgwatu, M.I. (2015). Tool selection for rough and finish CNC milling operations based on tool-path generation and machining optimisation, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 1, 18-26, http://dx.doi.org/10.14743/apem2015.1.189 .
188	Haider, A.; Mirza, J.	An implementation of lean scheduling in a job shop environment	2015, 10(1), 5-17, 10.14743/apem2015.1.188	Manufacturing, Toyota Production System, Lean thinking, Job shop production, One piece flow, Manufacturing simulation	Haider, A.; Mirza, J. (2015). An implementation of lean scheduling in a job shop environment, <i>Advances in Production Engineering & Management</i> , Vol. 10, No. 1, 5-17, http://dx.doi.org/10.14743/apem2015.1.188 .

Papers published in 2014, Volume 9

#	Authors	Paper title	2014, Vol(No), Pages, DOI	Key words	Citation data
187	Ullah, H.	A Petri net model for the integration of purchasing, production and packaging using Kanban system	2014, 9(4), 187-200, 10.14743/apem2014.4.187	Production, Purchasing, Packaging, Petri net, Kanban	Ullah, H. (2014). A Petri net model for the integration of purchasing, production and packaging using Kanban system, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 4, 187-200.
186	Talabi, S.I.; Owolabi, O.B.; Adebisi, J.A.; Yahaya, T.	Effect of welding variables on mechanical properties of low carbon steel welded joint	2014, 9(4), 181-186, 10.14743/apem2014.4.186	Welding, Low carbon steel, Welding variables, Mechanical properties	Talabi, S.I.; Owolabi, O.B.; Adebisi, J.A.; Yahaya, T. (2014). Effect of welding variables on mechanical properties of low carbon steel welded joint, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 4, 181-186.
185	Bose, G.K.; Mahapatra, K.K.	Parametric study of die sinking EDM process on AISI H13 tool steel using statistical techniques	2014, 9(4), 168-180, 10.14743/apem2014.4.185	Die sinking EDM, Multi response optimization, Analysis of variance, Response surface methodology	Bose, G.K.; Mahapatra, K.K. (2014). Parametric study of die sinking EDM process on AISI H13 tool steel using statistical techniques, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 4, 168-180.
184	El-Labban, H.F.; Mahmoud, E.R.I.; Al-Wadai, H.	Laser cladding of Ti-6Al-4V alloy with vanadium carbide particles	2014, 9(4), 159-167, 10.14743/apem2014.4.184	Laser cladding, Ti-6Al-4V alloy, VC powder, Surface microhardness, Wear and corrosion resistance	El-Labban, H.F.; Mahmoud, E.R.I.; Al-Wadai, H. (2014). Laser cladding of Ti-6Al-4V alloy with vanadium carbide particles, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 4, 159-167.
183	Nidhiry, N.M.; Saravanan, R.	Scheduling optimization of a flexible manufacturing system using a modified NSGA-II algorithm	2014, 9(3), 139-151, 10.14743/apem2014.3.183	Flexible manufacturing system, Scheduling optimization, Multi-objective optimization, NSGA-II, Modified NSGA-II	Nidhiry, N.M.; Saravanan, R. (2014). Scheduling optimization of a flexible manufacturing system using a modified NSGA-II algorithm, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 3, 139-151.
182	Tadamalle, A.P.; Reddy, Y.P.; Ramjee, E.; Reddy, V.K.	Influence of welding speed on the melting efficiency of Nd:YAG laser welding	2014, 9(3), 128-138, 10.14743/apem2014.3.182	Nd:YAG laser welding, Melting efficiency, Weld pool volume, Energy transfer efficiency, Heat affected zone	Tadamalle, A.P.; Reddy, Y.P.; Ramjee, E.; Reddy, V.K. (2014). Influence of welding speed on the melting efficiency of Nd:YAG laser welding, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 3, 128-138.
181	Babic, M.; Balic, J.; Kokol, P.	Optimal fractal dimension on grain structure robot laser-hardened tool steel	2014, 9(3), 119-127, 10.14743/apem2014.3.181	Fractal dimension, Robot, Laser, Hardening	Babic, M.; Balic, J.; Kokol, P. (2014). Optimal fractal dimension on grain structure robot laser-hardened tool steel, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 3, 119-127.
180	Mishra, A.	Frictional characterization of teak wood dust-filled epoxy composites	2014, 9(3), 111-118, 10.14743/apem2014.3.180	Teak wood dust, Epoxy, Composites, Friction and wear characteristics	Mishra, A. (2014). Frictional characterization of teak wood dust-filled epoxy composites, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 3, 111-118.
179	Satheesh, M.; Edwin Raja Dhas, J.	Hybrid Taguchi method for optimizing flux cored arc weld parameters for mild steel	2014, 9(2), 95-103, 10.14743/apem2014.2.179	Flux cored arc welding, Optimization, Process parameters, Grey based Taguchi method, Orthogonal array	Satheesh, M.; Edwin Raja Dhas, J. (2014). Hybrid Taguchi method for optimizing flux cored arc weld parameters for mild steel, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 2, 95-103.
178	Al-Refaie, A.; Li, M.-H.; Jarbo, M.; Yeh, C.-H.B.; Nour, B.	Imprecise data envelopment analysis model for robust design with multiple fuzzy quality responses	2014, 9(2), 83-94, 10.14743/apem2014.2.178	Imprecise data envelopment analysis, Robust design, Multi fuzzy quality response	Al-Refaie, A.; Li, M.-H.; Jarbo, M.; Yeh, C.-H.B.; Nour, B. (2014). Imprecise data envelopment analysis model for robust design with multiple fuzzy quality responses, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 2, 83-94.
177	Volk, M.; Nardin, B.; Dolsak, B.	Determining the optimal area-dependent blank holder forces in deep drawing using the response surface method	2014, 9(2), 71-82, 10.14743/apem2014.2.177	Sheet metal forming, Optimization, Finite element method, Response surface method	Volk, M.; Nardin, B.; Dolsak, B. (2014). Determining the optimal area-dependent blank holder forces in deep drawing using the response surface method, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 2, 71-82.
176	Chandrasekaran, M.; Devarasiddappa, D.	Artificial neural network modeling for surface roughness prediction in cylindrical grinding of Al-SiCp metal matrix composites and ANOVA analysis	2014, 9(2), 59-70, 10.14743/apem2014.2.176	Metal matrix composites, Cylindrical grinding, Surface roughness, Artificial neural network, Analysis of variance	Chandrasekaran, M.; Devarasiddappa, D. (2014). Artificial neural network modeling for surface roughness prediction in cylindrical grinding of Al-SiCp metal matrix composites and ANOVA analysis, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 2, 59-70.
175	Acko, B.; Sluban, B.; Tasič, T.; Brezovnik, S.	Performance metrics for testing statistical calculations in interlaboratory comparisons	2014, 9(1), 44-52, 10.14743/apem2014.1.175	Interlaboratory comparisons, Data generator, Software validation	Acko, B.; Sluban, B.; Tasič, T.; Brezovnik, S. (2014). Performance metrics for testing statistical calculations in interlaboratory comparisons, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 1, 44-52.
174	Lee, G.B.; Badrul, O.	Optimization for sustainable manufacturing based on axiomatic design principles: a case study of machining processes	2014, 9(1), 31-43, 10.14743/apem2014.1.174	Axiomatic design, Hybrid model, Optimization, Sustainable manufacturing, Machining	Lee, G.B.; Badrul, O. (2014). Optimization for sustainable manufacturing based on axiomatic design principles: a case study of machining processes, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 1, 31-43.
173	Hrelja, M.; Klančnik, S.; Irgolic, T.; Paulic, M.; Jurkovic, Z.; Balic, J.; Brezocnik, M.	Particle swarm optimization approach for modelling a turning process	2014, 9(1), 21-30, 10.14743/apem2014.1.173	Machining, CNC turning, Modelling, Optimization, Particle swarm optimization	Hrelja, M.; Klančnik, S.; Irgolic, T.; Paulic, M.; Jurkovic, Z.; Balic, J.; Brezocnik, M. (2014). Particle swarm optimization approach for modelling a turning process, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 1, 21-30.
172	Chatterjee, P.; Mondal, S.; Chakraborty, S.	A comparative study of preference dominance-based approaches for selection of industrial robots	2014, 9(1), 5-20, 10.14743/apem2014.1.172	Industrial robot selection, Multi-attribute decision-making, EVAMIX, EXPROM2, Performance comparison	Chatterjee, P.; Mondal, S.; Chakraborty, S. (2014). A comparative study of preference dominance-based approaches for selection of industrial robots, <i>Advances in Production Engineering & Management</i> , Vol. 9, No. 1, 5-20.

Papers published in 2013, Volume 8

#	Authors	Paper title	2013, Vol(No), Pages, DOI	Key words	Citation data
171	Khaloobagheri, M.; Janipour, B.; Askari, N.; Shafiee Kamal Abad, E.	Characterisation of powder metallurgy Cu-ZrO ₂ composites	2013, 8(4), 242-248, 10.14743/apem2013.4.171	Powder metallurgy, Cu-ZrO ₂ composites, Mechanical properties, Electrical conductivity	Khaloobagheri, M.; Janipour, B.; Askari, N.; Shafiee Kamal Abad, E. (2013). Characterisation of powder metallurgy Cu-ZrO ₂ composites, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 4, 242-248.
170	Senthilkumar, N.; Tamizharasan, T.; Anandkrishnan, V.	An ANN approach for predicting the cutting inserts performances of different geometries in hard turning	2013, 8(4), 231-241, 10.14743/apem2013.4.170	Hard turning, Flank wear, Surface roughness, Artificial neural network	Senthilkumar, N.; Tamizharasan, T.; Anandkrishnan, V. (2013). An ANN approach for predicting the cutting inserts performances of different geometries in hard turning, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 4, 231-241.
169	Malhotra, N.	Optimization of multiple quality characteristics of EDM process for MRR and TWR using utility concept	2013, 8(4), 219-230, 10.14743/apem2013.4.169	Electrical discharge machining, Taguchi method, Utility concept, Optimization	Malhotra, N. (2013). Optimization of multiple quality characteristics of EDM process for MRR and TWR using utility concept, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 4, 219-230.
168	Mgwatu, M.I.	Integrated approach for optimising machining parameters, tool wear and surface quality in multi-pass turning operations	2013, 8(4), 209-218, 10.14743/apem2013.4.168	Turning operations, Machining parameters, Tool wear, Surface quality, Optimisation	Mgwatu, M.I. (2013). Integrated approach for optimising machining parameters, tool wear and surface quality in multi-pass turning operations, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 4, 209-218.
167	Buchmeister, B.; Friscic, D.; Palcic, I.	Impact of demand changes and supply chain's level constraints on bullwhip effect	2013, 8(4), 199-208, 10.14743/apem2013.4.167	Supply chain, Changing demand, Bullwhip effect, Level constraints, Spreadsheet simulation	Buchmeister, B.; Friscic, D.; Palcic, I. (2013). Impact of demand changes and supply chain's level constraints on bullwhip effect, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 4, 199-208.
166	Mishra, V.K.	Deteriorating inventory model using preservation technology with salvage value and shortages	2013, 8(3), 185-192, 10.14743/apem2013.3.166	Inventory, Deteriorating items, Shortages, Preservation technology, Salvage value, Weibull's distribution	Mishra, V.K. (2013). Deteriorating inventory model using preservation technology with salvage value and shortages, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 3, 185-192.
165	Kaftanoğlu, B.; Dökmetaş, N.	Performance of boron nitride coated tools and dies	2013, 8(3), 177-184, 10.14743/apem2013.3.165	Physical vapour deposition, Coated tools and dies, Boron nitride, Hardness, Wear	Kaftanoğlu, B.; Dökmetaş, N. (2013). Performance of boron nitride coated tools and dies, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 3, 177-184.
164	Articek, U.; Milfelner, M.; Anzel, I.	Synthesis of functionally graded material H13/Cu by LENS technology	2013, 8(3), 169-176, 10.14743/apem2013.3.164	Laser cladding, Functionally graded material, Microstructural development, Mechanical properties	Articek, U.; Milfelner, M.; Anzel, I. (2013). Synthesis of functionally graded material H13/Cu by LENS technology, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 3, 169-176.
163	Jana, T.K.; Saha, P.; Sarkar, B.; Saha, J.	Implementation of agent based holonic control in discrete manufacturing	2013, 8(3), 157-168, 10.14743/apem2013.3.163	Holonic manufacturing system, Multi agent system, Holarchy, Contract net protocol, Document type definition	Jana, T.K.; Saha, P.; Sarkar, B.; Saha, J. (2013). Implementation of agent based holonic control in discrete manufacturing, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 3, 157-168.
162	Chakraborty, P.S.; Sarkar, B.; Majumdar, G.	Group decision making for a manufacturing organization considering intensity of preference	2013, 8(3), 149-156, 10.14743/apem2013.3.162	Group decision, Strategic issues, Preference intensity, Analytic hierarchy process (AHP)	Chakraborty, P.S.; Sarkar, B.; Majumdar, G. (2013). Group decision making for a manufacturing organization considering intensity of preference, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 3, 149-156.
161	Nogueira, A.A.; Gago, P.T.; Martinho, P.G.; Brito, A.M.; Pouzada, A.S.	Studies on the mouldability of structural foams in hybrid moulds	2013, 8(2), 134-142, 10.14743/apem2013.2.161	Hybrid moulds, Structural foams, Rapid prototyping Techniques, Low pressure injection moulding, Reaction injection mould	Nogueira, A.A.; Gago, P.T.; Martinho, P.G.; Brito, A.M.; Pouzada, A.S. (2013). Studies on the mouldability of structural foams in hybrid moulds, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 2, 134-142.
160	Perko, L.; Friesenbichler, W.; Obendrauf, W.; Buchebner, V.; Chaloupka, G.	Elongational viscosity of rubber compounds and improving corresponding models	2013, 8(2), 126-133, 10.14743/apem2013.2.160	Elongational viscosity, Extensional viscosity, Converging flow, Sentmanat extensional rheometer, Rubber compound	Perko, L.; Friesenbichler, W.; Obendrauf, W.; Buchebner, V.; Chaloupka, G. (2013). Elongational viscosity of rubber compounds and improving corresponding models, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 2, 126-133.
159	Madani, R.; Moroz, A.; Baines, E.	Design and manufacturing of children's remote control for child viewing	2013, 8(2), 116-125, 10.14743/apem2013.2.159	Child-centred process, Additive manufacturing, Prototypes, Television remote control	Madani, R.; Moroz, A.; Baines, E. (2013). Design and manufacturing of children's remote control for child viewing, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 2, 116-125.
158	Hsu, F.H.; Wang, K.; Huang, C.T.; Chang, R.Y.	Investigation on conformal cooling system design in injection molding	2013, 8(2), 107-115, 10.14743/apem2013.2.158	Injection molding, Conformal cooling, Cooling design, Simulation	Hsu, F.H.; Wang, K.; Huang, C.T.; Chang, R.Y. (2013). Investigation on conformal cooling system design in injection molding, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 2, 107-115.
157	Goffard, R.; Sforza, T.; Clarinval, A.; Dormal, T.; Boilet, L.; Hocquet, S.; Cambier, F.	Additive manufacturing of biocompatible ceramics	2013, 8(2), 96-106, 10.14743/apem2013.2.157	Biomaterial, Ceramic, Rapid manufacturing	Goffard, R.; Sforza, T.; Clarinval, A.; Dormal, T.; Boilet, L.; Hocquet, S.; Cambier, F. (2013). Additive manufacturing of biocompatible ceramics, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 2, 96-106.
156	Delva, L.; Van De Keere, T.; Alves, R.; Ragaert, K.; Gaspar-Cunha, A.; Cardon, L.; Degrieck, J.	Extrusion and characterization of nanoclay filled polypropylene	2013, 8(2), 88-95, 10.14743/apem2013.2.156	Nanocomposites, Polypropylene, Nanoclay, Characterization	Delva, L.; Van De Keere, T.; Alves, R.; Ragaert, K.; Gaspar-Cunha, A.; Cardon, L.; Degrieck, J. (2013). Extrusion and characterization of nanoclay filled polypropylene, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 2, 88-95.
155	Vasco, J.C.; Ferreira, I.S.; Pouzada, A.S.	Evaluation of the performance of micromoulding blocks using micromanufacturing technologies	2013, 8(2), 78-87, 10.14743/apem2013.2.155	Microinjection, Micromanufacturing, Economical feasibility	Vasco, J.C.; Ferreira, I.S.; Pouzada, A.S. (2013). Evaluation of the performance of micromoulding blocks using micromanufacturing technologies, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 2, 78-87.
154	Tange, L.; Van Houwelingen, J.A.; Peeters, J.R.; Vanegas, P.	Recycling of flame retardant plastics from WEEE, technical and environmental challenges	2013, 8(2), 67-77, 10.14743/apem2013.2.154	Flame retardant plastics, Size reduction, Separation, WEEE, Sensor based sorting	Tange, L.; Van Houwelingen, J.A.; Peeters, J.R.; Vanegas, P. (2013). Recycling of flame retardant plastics from WEEE, technical and environmental challenges, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 2, 67-77.
153	Tadamalle, A. P.; Reddy, Y. P.; Ramjee, E.	Influence of laser welding process parameters on weld pool geometry and duty cycle	2013, 8(1), 52-60, 10.14743/apem2013.1.153	Duty cycle, Pulse overlap, Effective pulse energy	Tadamalle, A. P.; Reddy, Y. P.; Ramjee, E. (2013). Influence of laser welding process parameters on weld pool geometry and duty cycle, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 1, 52-60.
152	Bose, G. K.; Mitra, S.	Study of ECG process while machining Al ₂ O ₃ /Al – IPC using grey-Taguchi methodology	2013, 8(1), 41-51, 10.14743/apem2013.1.152	Electrochemical grinding, Aluminum interpenetrating phase, Composites, Taguchi, Analysis of variance, Grey relational analysis	Bose, G. K.; Mitra, S. (2013). Study of ECG process while machining Al ₂ O ₃ /Al – IPC using grey-Taguchi methodology, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 1, 41-51.
151	Sajko, N.; Kovacic, S.; Balic, J.	Simulation based CAD/CAM model for extrusion tools	2013, 8(1), 33-40, 10.14743/apem2013.1.151	Extrusion, Tools for extrusion, HyperWorks, Optimization, Simulations	Sajko, N.; Kovacic, S.; Balic, J. (2013). Simulation based CAD/CAM model for extrusion tools, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 1, 33-44.
150	Babic, M.; Balic, J.; Milfelner, M.; Belic, I.; Kokol, P.; Zorman, M.; Panjan, P.	Robot laser hardening and the problem of overlapping laser beam	2013, 8(1), 25-32, 10.14743/apem2013.1.150	Robot, Laser, Hardening, Overlapping, Neural network	Babic, M.; Balic, J.; Milfelner, M.; Belic, I.; Kokol, P.; Zorman, M.; Panjan, P. (2013). Robot laser hardening and the problem of overlapping laser beam, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 1, 25-32.
149	Edwin Raja Dhas, J.; Kumanan, S.	Modeling and prediction of HAZ using finite element and neural network modeling	2013, 8(1), 13-24, 10.14743/apem2013.1.149	Heat-affected zone (HAZ), Finite element analysis, Artificial neural network, Submerged arc welding	Edwin Raja Dhas, J.; Kumanan, S. (2013). Modeling and prediction of HAZ using finite element and neural network modeling, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 1, 13-24.
148	Sekulic, M.; Kovac, P.; Gostimirovic, M.; Kramar, D.	Optimization of high-pressure jet assisted turning process by Taguchi method	2013, 8(1), 5-12, 10.14743/apem2013.1.148	High-pressure jet assisted turning, Taguchi method, Optimization	Sekulic, M.; Kovac, P.; Gostimirovic, M.; Kramar, D. (2013). Optimization of high-pressure jet assisted turning process by Taguchi method, <i>Advances in Production Engineering & Management</i> , Vol. 8, No. 1, 5-12.