



University of Maribor

Chair of Production Engineering (CPE)

Advances in Production Engineering & Management

Volume 19 | Number 1 | March 2024 | pp 1–152

Contents

Scope and topics	4
An improved multi-objective firefly algorithm for integrated scheduling approach in manufacturing and assembly considering time-sharing step tariff	5
Xu, E.B.; Zou, F.F.; Shan, P.P.; Wang, Z.Y.; Shi, B.X.	
Research on recovery strategies of supply chain network under disruption propagation using memetic algorithm	21
Li, Z.Y.; Zhao, P.X.; Wang, C.L.; Mi, Y.Z.	
Human-robot collaboration assembly line balancing considering cross-station tasks and the carbon emissions	31
Li, Y.C.; Wang, X.	
Predicting the deep drawing process of TRIP steel grades using multilayer perceptron artificial neural networks	46
Sevšek, L.; Vilkovský, S.; Majerníková, J.; Pepelnjak, T.	
The investigation of production variance in a module-based assembly system: A Markovian Arrival Process approach	65
Zhong, C.W.; Zhang, H.; Zhang, Z.W.; Wu, Z.Q.; Lu, M.L.	
A comparative study of machine learning regression models for production systems condition monitoring	78
Jankovič, D.; Šimic, M.; Herakovič, N.	
Evolutionary game analysis of green innovation in E-commerce closed-loop supply chain WEEE recycling	93
Ma, R.M.; Yao, L.F.; Wang, H.	
FDM process parameter selection by hybrid MCDM approach for flexural and compression strength maximization	108
Begić-Hajdarević, D.; Klančnik, S.; Muhamedagić, K.; Čekić, A.; Cohodar Husic, M.; Ficko, M.; Gusel, L.	
Integrated optimization of line planning and timetabling on high-speed railway network considering cross-line operation	117
Wang, R.X.; Nie, L.; Fang, W.; Ren, H.Q.; Tan, Y.Y.	
Experimental and numerical investigation of the deep drawing process using a tractrix die – An industrial case study focused on stress and temperature analysis	133
Mandic, V.; Milosavljević, Dj.; Jurković, Z.; Adamović, D.	
Calendar of events	149
Notes for contributors	151

Journal homepage: apem-journal.org

ISSN 1854-6250 (print)

ISSN 1855-6531 (on-line)

Published by CPE, University of Maribor.