



University of Maribor
Chair of Production Engineering (CPE)

Advances in Production Engineering & Management

Volume 19 | Number 4 | December 2024 | pp 411–542

Contents

Scope and topics	414
A bi-objective Genetic Algorithm for flexible flow shop scheduling: A real-world application in the electrical industry	415
Escobar, D.; Chivata, B.; Nino, K.	
Reducing scrap in long rolled round steel bars using Genetic Programming after ultrasonic testing	435
Kovacic, M.; Zupanc, A.; Zuperl, U.; Brezocnik, M.	
Optimizing electric vehicle charging strategies using multi-layer perception-based spatio-temporal prediction of charging station load	443
Wang, Y.N.; Zhang, Z.J.; Ping, A.; Wang, R.J.; Gong, D.Q.	
Sustainable design of products: Balancing quality, life cycle impact, and social responsibility	460
Siwec, D.; Gawlik, R.; Pacana, A.	
An algorithmic review of the technological progress and milestones in resource-constrained project planning	489
Pourhejazy, P.; Ying, K.-C.; Cheng, C.-Y.	
Integrated production and maintenance policy for manufacturing systems prone to products' quality degradation	512
BouAbid, H.; Dhoubib, K.; Gharbi, A.	
Integrating simulation modelling for sustainable, human-centred Industry 5.0: ESG-based evaluation in collaborative workplaces	527
Ojstersek, R.; Javernik, A.; Buchmeister, B.	
Calendar of events	539
Notes for contributors	541

Journal homepage: apem-journal.org

ISSN 1854-6250 (print)

ISSN 1855-6531 (on-line)

Published by CPE, University of Maribor.