

TRANSACTIONS

of FAMENA

Contents

Comparison of Conventional Double-Helical and Curvilinear Cylindrical Gear Drives in Terms of Transmission Errors and Stress Xuegang Zhang, Zheng Liang	1
Vision-Based Inspection of Tyre Tread Depth Emina Petrović, Danijela Ristić Durrant, Miloš Simonović, Žarko Čojbašić, Vlastimir Nikolić	19
Emission and Performance Characteristics of a Diesel Engine Using Copper Oxide Nanoparticles in Palm Oil Biodiesel-Diesel Blends A. Prabhu, M. Venkata Ramanan, Harish Venu, J. Jayaprabakar, M. Anish, Nivin Joy	29
Discrete-Time System Conditional Optimisation in the Parameter Space via the Full Transfer Function Matrix Lyubomir Gruyitch, Zoran Bučevac, Radiša Jovanović, Vladimir Zarić	45
Design and Experimental Validation of a Control System for Dynamic Positioning of a Shuttle Tanker Young-Shik Kim, Jang-Pyo Hong, Yun-Ho Kim, Hong-Gun Sung, Jinwhan Kim	63
Implementing ISO 14001 and Environmental Performance Evaluation: A Logistic Regression Model Saleh Alsulamy, Ibrahim Falqi, Mohamed Mansour, Shaik Dawood, Abdullah Alshehri	87
Simulation and Analysis of the Heating Performance of an Embossing-Head Utilizing Electromagnetic Induction Heating Jun-yao Wang, Qi Hou, Fu-wang Wang, Bo You, Heng-yi Yuan	101
Implementing the Augmented Reality as an Industry 4.0 Application to Simplify the Busbar Bending Process during the Covid-19 Pandemic Saeed Na'amnh, István Husti, Miklós Daróczi	115