

TRANSACTIONS

of FAMENA

Contents

Surface Integrity after Turning a Duplex Stainless Steel with Respect to Tool Geometry Jiří Čapek, Kamil Kolařík, Miroslav Neslušan, Zdeněk Pitrmuc, Libor Beránek, Karel Trojan, Jakub Němeček, Nikolaj Ganev, Jiří Kyncl, Petr Mikeš	1
Discrete-Time Sliding Mode Control with Integral Compensation of Output Error Olivera Iskrenovic-Momcilovic.....	15
Design Optimization of a Disc Brake Based on a Multi-Objective Optimization Algorithm and Analytic Hierarchy Process Method Junchao Zhou, Jianjie Gao, Kaizhu Wang, Yinghua Liao.....	25
Modal Analysis and an Experimental Study Into a Marine Gearbox Featuring Confluence Transmission Zeyin He, Weiyi Tang, Tengjiao Lin, Sun Shizheng.....	43
Characterization of a Friction Surfaced Stainless Steel Coating on Medium Carbon Steel Rathinam George Sahaya Nixon, Rengarajan Sathish, Bhulok Sundar Mohanty	53
Professional papers	
Numerical Analysis of Fuel Flow Patterns at the Nozzle Exit Considering Different Fuels and Operating Parameters of a Diesel Engine Marius Simion Motogna, Dan Moldovanu, Florin Mariasius	63
Experimental and Finite Element Studies of a Soft Robot Finger Material - a Contact Mechanics Approach Desingh Sivanesan, Uthirapathy Natarajan, Veeramalai Chinnasamy Sathish Gandhi.....	75
Hydraulic Characteristics and Measurement of Rotating Stall Suppression in a Waterjet Propulsion System Chenzhi Xia, Li Cheng, Can Luo, Weixuan Jiao, Di Zhang.....	85
News	
Professor Peter Wriggers, corresponding member of the Croatian Academy of Sciences and Arts.....	101
In Memoriam Professor Emeritus Dragutin Taboršak	