

TRANSACTIONS

of FAMENA

Contents

OpenFOAM Finite Volume Solver for Fluid-Solid Interaction Željko Tuković, Aleksandar Karač, Philip Cardiff, Hrvoje Jasak, Alojz Ivanković	1
Tuning of Parameters for Robotic Contouring Based on the Evaluation of Force Deviation Marko Švaco, Nikola Vitez, Bojan Šekoranja, Filip Šuligoj	33
Atomistic Modelling of 2D Stress Distribution Around Discontinuities Ivan Trapić, Robert Pezer, Jurica Sorić	47
Stabilization of Highly Concentrated Alumina Suspensions by Different Dispersants Ivana Sever, Irena Žmak, Lidija Čurković, Zrinka Švagelj	61
Enhancement of Wear Resistance of D-3 Piercing Punches by Applying Cryogenic Treatment: Field and Laboratory Investigations Karuppan Subramani Sekar, Suruli Nagarajan Murugesan	71
Research on Steady-State Characteristics of Centrifugal Pump Rotor System with Weak Nonlinear Stiffness Wenjie Zhou, Ning Qiu, Ning Zhang, Zhounian Lai, Bo Gao	87
Fault Diagnosis in a Gyroscope-Based Six-Axis Accelerometer Chenggang Li, Yan Wang, Jing Chen, Jingjing You, Hemant Rajnathsing	103
An Integrated Approach of RSM and MOGA for the Prediction of Temperature Rise and Surface Roughness in the End Milling of Al 6061-T6 Noor basha Zeelanbasha, Vellimalai Senthil, Bella Raman Senthil Kumar	115