CONTENT

Bálint BEKŐ, József Gáti, Krisztina Némethy
Safety Issues Concerning Installation of Welding Robots 1

Enikő Bitay, Gyula Bagyinszki
Educational Materials and Didactic Tools in Engineering Training Practices 7

Zsolt Darvay, Ágnes Füstös
Predictor-Corrector Interior-Point Algorithm for the General Linear Complementarity Problem 11

Zsolt Darvay, Attila-Szabolcs Orbán
Implementation of the Full-Newton Step Algorithm for Weighted Linear Complementarity Problems 15

István Györkovács, Zoltán Forgó
Development of a Mechatronic System for Demonstration Purposes 19

Norbert Hodgyai, Ferenc Tolvaly-Roșca, Márton Máté
A Comparison between a Classical and a Modified Root Fillet 25

Szilárd Ilyés, Judit Pásztor
Investigation of the Force Vectors Acting on the Potato in the Clamping Finger Type Dosing System of a Potato Planter 33

Roland Osszián Józsa, Timotei István Erdei, Tibor Péter Kapusi, Szabolcs Tóth, Géza Husi
MP-9S Industrial Manipulator Handling and Scrapping Tasks in Industrial Environments 38

Mihály Katona, Péter Kiss
Control of a Permanent Magnet Synchronous Motor in Simulink 43

Orsolya Kelemen, Ildikó Bodnár, Andrea Izbékiné Szabolcsik
Development of a Complex Treatment Process for Recycling Household Laundry Water 48

Gyula Korsoveczki, Balázs Bencsik, Géza Husi
Optical Inspection of CPVC Fitting Elbows and Fault Diagnosis of the Production Process 56

Márk Kovács, Zsolt Csaba Johanyák
Comparative Analysis of Native and Cross-Platform iOS Application Development 61

Krisztián Kun, Tamás Sárkány
Development of an Active Aerodynamic System for a Racing Motorcycle 65

Péter Máté, András Szekrényes
Curvature Measurement of Thin Plates with the Help of Digital Image Processing 71

Ádám Meisel, K. Brigitta Tóth, Éva Lakatos
Mechanical Examination of Chicken Vessel with Custom-Built Experimental Equipment 76

István Nemes-Károly, György Kocsis, Gábor Szebényi
The Developement of a New Shoulder Joint Prothesis System 80

Krisztina Pál, Andrea Izbékiné Szabolcsik, Ildikó Bodnár, Gábor Bellér
Analysis of the Treatment of Synthetic Bathing Waters and Their Effects on Seedlings 87

Alaa Saadah, Géza Husi
Six DOF Robotic Arm Prototype Modelling By Matlab 94

Attila Szántó, Roland Décsei, Márton Kujbus, Levente Fejes, Nóra Papcsák, Gusztáv Áron Sziki
Design of a Measuring System Suitable for Measuring the Electromagnetic and Dynamic Characteristics of Electric Motors 99

András József Tóth, Szilvia Schmidt
Method for Efficient Regeneration of Solvent Mixture: Extractive Heterogeneous-Azeotropic Distillation 103

Zsombor Kisfaludi-Bak
Analyses of River Oil-Spills and Actual Solving Methods 108

LIST OF AUTHORS 112