



## Contents

### Section: METAL CUTTING

<b>Kovač, P., Mankova, I., Gostimirovic, M., Sekulic, M., Savković, B.</b> A REVIEW OF THE EXPERIMENTAL TECHNIQUES FOR THE MEASUREMENT OF TEMPERATURE GENERATED IN MATERIAL REMOVAL PROCESSES.....	1
<b>Miletić O., Todić M.</b> DEPENDENCE OF DEFORMATION FROM PARAMETERS OF PROFILING PROCESS.....	7
<b>Pejović, B., Dakić, P., Mičić, V.</b> SUPPLEMENT FOR IMPROVEMENT EXISTING MODEL FOR CALCULATING SPIRALLY FLUTED DRILL.....	11
<b>Savkovic, B., Kovac, P., Gostimirović, M., Sekulic, M., Rajnovic, D.</b> EXPERIMENTAL STUDIES OF NODULAR CAST IRON ALLOYS DURING MILLING.....	15
<b>Sekulić, M., Kovač, P., Gostimirović, M., Jurković, Z., Savković, B.</b> A NEW THRUST FORCE MODEL FOR DRILLING PROCESS.....	19

### Section: TOOLS, TRIBOLOGY, FIXTURES, METROLOGY AND QUALITY

<b>Cep, R., Sadilek, M., Kouril, K., Budak, I., Hadzistevic, M.</b> TESTING OF MACHINE TOOL ACCURACY BY THE QC10 BALLBAR SYSTEM.....	23
<b>Hadžistević, M., Hodolič, J., Bešić, I., Pavlov, A.</b> TESTING SOME SIGNIFICANT PARAMETERS ON MEASUREMENT ERROR OF COORDINATE MEASURING MACHINE .....	27
<b>Sovilj, B., Tiba, SZ., Kovač, P., Ješić, D., Sovilj-Nikić, I.</b> INFLUENCE OF COATING ON TOOL LIFE OF HOB MILLING TOOL .....	31
<b>Tiba, Z., Sovilj, B., Sovilj-Nikić, I.</b> BENDING DYNAMIC MODEL ADAPTABLE TO CUTTING .....	37
<b>Vukelic, Dj., Tadic, B., Sovilj, B., Hodolic, J.</b> FORM TOOLS AUTOMATION DESIGN .....	41

### Section: FLEXIBLE MANUFACTURING SYSTEMS, CAD, CAPP, CAM, CAQ, ..., CIM

<b>Babic A., Pljakic M., Ilic N., Petrovic A.</b> MODELLING OF INSTALLATION OPERATIONS IN CAM OF ROADHEADER DESIGN FOR THE PROCESSING OF INFRASTRUCTURAL OBJECTS .....	45
<b>Brajlih, T., Drstvensek, I., Valentan, B., Tasic T., Balic, J.</b> ADVANTAGES OF COMBINING RAPID PROTOTYPING AND RAPID TOOLING TECHNOLOGIES IN PROTOTYPE PRODUCTION.....	49

<b>Budak, I., Sokovic, M., Hodolic, J., Kopac, J.</b> POINT DATA REDUCTION BASED ON FUZZY LOGIC IN REVERSE ENGINEERING .....	53
<b>Luzanin, O., Vilotic, D., Movrin, D.</b> CAM SIMULATION FOR MANUFACTURE OF FORGING DIES FOR CAR WHEEL HUB – A CASE STUDY .....	57
<b>Matin, I., Hadžistevec, M., Hodolič, J., Vukelić, Dj., Tadić, B.</b> DEVELOPMENT OF CAD/CAE SYSTEM FOR MOLD DESIGN .....	61

## **Section: ENVIRONMENTAL TECHNOLOGIES AND ECOLOGICAL SYSTEMS**

<b>Flimel, M.</b> NEED OF PREDICTIVE ENVIRONMENTAL FRIENDLY SYSTEM OF NOISE PROTECTION.....	65
<b>Hricova, B., Nakatova, H., Badida, M., Lumnitzer, E.</b> APPLICATION OF ECODSIGN AND LIFE CYCLE ASSESSMENT IN EVALUATION OF MACHINE PRODUCTS .....	69
<b>Liptai, P., Badida, M., Lumnitzer, E., Moravec, M.</b> APPLICATION OF ACOUSTIC CAMERA IN INDUSTRIAL SITE .....	73
<b>Sebo, J., Fedorcakova, M., Nakatova, H., Sebo, D., Halagovcova, K.</b> OPERATING EXPERIMENT OF WASTEWATER CLEANING AROUND THE BLAST FURNACE IN THE USS-KOSICE .....	77
<b>INSTRUCTION FOR CONTRIBUTORS</b> .....	81