



Contents

REVIEW PAPER

- Hernavš, J., Ficko, M., Berus, L., Rudolf, R., Klančnik, S.
DEEP LEARNING IN INDUSTRY 4.0 – BRIEF 1

ORIGINAL SCIENTIFIC PAPER

- Cerce, L., Borojević, S., Kramar, D.
OPTIMIZATION OF THE PROCESS PARAMETERS FOR STABILIZATION AND
IMPROVEMENT OF THE TURNING PROCESS CAPABILITY 6
- Kovač, P., Savković, B., Rodić, D., Mankova, I.
ARTIFICIAL INTELLIGENCE APPROACHE TO MODELING OF CUTTING FORCE AND
TOOL WEAR RELATIONSHIPS DURING DRY MACHINING 13
- Sormaz, D., Gouveia, R., Sarkar, A.
RULE BASED PROCESS SELECTION OF MILLING PROCESSES BASED
ON GD&T REQUIREMENTS 19
- Karić, S., Nasić, E., Pjanić, M.
INFLUENCE OF ADDITIONAL MASS ON THE CANTILEVER BEAM
TO CARACTERISTICS BENDED DAMPING VIBRATION 27
- Victor A. Adedayo
INFLUENCE OF TEMPERATURE OF QUENCHANT ON SOME MECHANICAL
PROPERTIES OF MEDIUM CARBON STEEL 31
- Brajlih, T., Ekselenski S., Drstvenšek, I., Kostevšek, U.
ACCURACY TEST OF DENTAL THREE-DIMENSIONAL OPTICAL SCANNER 35
- Kostevšek, U., Drstvenšek, I., Balič, J., Moličnik, A., Vogrin, M., Stević, S., Brajlih, T.
INTERDISCIPLINARY COMMUNICATION IN ORTHOPEDIC SURGICAL PLANNING 39
- Kareem, B., Ewetumo, T., Adeyeri, M.K., Oyetunji, A., Olowookere, S.T.
DEVELOPMENT OF ELECTRICITY GENERATING SYSTEM FOR
A MICROPOWER PLANT 43
- Radović, A., Jović, S.
POWER COEFFICIENT PREDICTION OF TIDAL TURBINE BY
ADAPTIVE SOFT COMPUTING METHODOLOGY 51
- Choudhary, M., Narang, R., Khanna, P.
MATHEMATICAL ANALYSIS OF PERFORMANCE OF A VIBRATORY
BOWL FEEDER FOR FEEDING BOTTLE CAPS 55
- Tiwari, I., Laksha, Khanna, P.
DEVELOPMENT OF A MATHEMATICAL MODEL TO PREDICT THE PERFORMANCE
OF A VIBRATORY BOWL FEEDER FOR HEADED COMPONENTS 60

PRELIMINARY NOTE

Velkoska, C., Tomov, M., Kuzinovski, M.
THEORETICAL ASPECTS RELATED TO THE CREATION OF
ALGORITHM FOR QUALITY COSTS MEASUREMENT SYSTEM 65

Janković, V., Jović, S., Đokić, J.
MANAGEMENT OF TOTAL ENTREPRENEURIAL ACTIVITY BY
ADAPTIVE NEURO-FUZZY TECHNIQUE 69

PUBLICATION ETHICS AND PUBLICATION MALPRACTICE STATEMENT 73

INSTRUCTION FOR CONTRIBUTORS 75