

CONTENTS:

MANUFACTURING AND PROCESSING OF ENGINEERING MATERIALS

Experimental and numerical studies of MR damper with prototype magnetorheological fluid 117
S. Kciuk, R. Turczyn, M. Kciuk (Poland)

Microstructure evolution in CRCS processed strips of CuCr0,6 alloy 125
J.P. Stobrawa, Z.M. Rdzawski, W. Głuchowski, W. Malec (Poland)

ENGINEERING MATERIALS PROPERTIES

The application of statistical models in wear resistance simulations of Al-Al₂O₃ composites 133
L.A. Dobrzański, M. Kremzer, W. Sitek (Poland)

Application of artificial neural networks in properties modelling of PVD and CVD coatings 141
L.A. Dobrzański, M. Staszuk, R. Honysz (Poland)

METHODS OF ANALYSIS AND MODELLING

Application a neural networks in crystallization process of Mg-Al-Zn alloys 149
L.A. Dobrzański, M. Król, T. Tański (Poland)

Finite Element Method application for structure determining of powder injection moulding samples 157
A. Śliwa, M. Matuła, L.A. Dobrzański (Poland)

Indexes

Author index 165

Keywords index 166