The Reindustrialisation of Romania in the Area of Equipment for Metal Forming, an Action Solvable also Through Previous Achievements ................................................................. 6

Octavian BOLOGA

Position Control of an Anthropomorphic Robot Arm Using Redundancy Circle.................................................................................................................. 12

Mihai CRENGANIS

Octavian BOLOGA

A Multi-Sensor Fusion for Indoor-Outdoor Localization Using a Particle Filter......................... 18

Abdelghani BELAKBIR

Mustapha AMGHA

Nawal SBITI

Amine RECHICHE


Melania TERA

Radu-Eugen BREAZ

Flaw Detection and Denoising of Images.................................................................................. 29

Arumugham RAJAMANI

Vellingiri KRISHNAVENI

New Models for Production Simulation and Validation Using Arena Software.......................... 36

Marinela INŢĂ

Achim MUNTEAN

Research on Experimental Investigation and Predictive Learning of (Tio2) Particulate Filled Polyester Based GFRP Composite........................................... 42

S. SRINIVASAMOORTHY

K. MANONMANI

Impact Behavior of Sandwich Composite Polymeric Products Reinforced With Glass Fiber................................................................. 50

Constantin OPRAN

Florin TEODORESCU

Catalina BIVOLARU
Manufacturing Cell Formation Considering Various Production Factors Using Modified Art1 Networks .................................................. 54
   A. MANIMARAN
   G. NAGARAJ
   P. VENKUMAR
   R. GANESAMOORTHY

Tensile Properties for Blends of Polybutylene Terephthalate and Polyamide With Aramid Fibers .................................................. 62
   Catalin PIRVU
   Constantin GEORGESCU
   Lorena DELEANU

Machining of Composites – a Review ............................................. 67
   D. CHANDRAMOHAN
   B. MURALI

Study of Machining Parameters on Natural Fiber Particle Reinforced Polymer Composite Material .................................................. 72
   D. CHANDRAMOHAN
   S. RAJESHW

Researches Regarding the Mechanical Behaviour of Some Polymer Composite Structures .................................................. 78
   Claudiu FLOREA
   Horățiu IANCAU
   Liana HANCU
   Ștefan COTAE

Manufacturing Method Of Carbon/Epoxy Composite Bent Tubes With Variable Section .................................................. 84
   Paul BERE
   Petru BERCE
   Cristian DUDESCU

Measurement and Analysis of Technological Head Vibrations In Hydroabrasive Cutting Technology .................................................. 90
   Ștefania SALOKYOVÁ

Optimisation of Inserts’ Geometry and Cutting Parameters for Plastic Turnings .................................................. 96
   Adrian TRIF
   Simion HARAGĂȘ

Design Concepts of Ejection Systems for Injected Large Dimensions Parts .................................................. 100
   Simion HARAGĂȘ
   Ovidiu BUIGA
   Adrian TRIF

Improving the Manufacturing Accuracy of CNC Laser Machines .................................................. 104
   Cristina BIRIȘ

Study of the Formability of Light Metallic Materials .................................................. 110
   Claudia GIRJOB

PLM Analysis Approach for Formwork Construction Equipments .................................................. 116
   Raluca DIACONU
   Paul Dan BRINDASU

A Linguistic Model of Aggregation in Virtual Manufacturing Processes .................................................. 124
   Vasile CRĂCIUÑEAN