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Nota di contenuto	Modern Technologies in Industrial Engineering II; Preface, Committees, Invited Speakers, Topics and Presidents; Table of Contents; Chapter 1: Applied Materials and Technologies; Drying Kinetic Simulation of Clay Tiles Made from the Raw Material Having Less Clay Fraction; The Influence of Sliding Velocity on the Wear Intensity in Case of Polymeric Composite Materials Reinforced with Short Carbon Fibers; Impact Resistance of "Liquid Wood"; High Manganese Austenitic X6MnSiAlNbTi26-3-3 Steel - Characteristic, Structures and Properties Microwave Differential Thermal Analysis Technique of the Fe ₂ O ₃ +BaCO ₃ Homogeneous Mixture Determination of some Mechanical Characteristics of Wood Elements Improved with Composites Materials; Studies Regarding the Influence of Loading Force on the Wear Intensity in Case of Polymeric Composite Materials Reinforced with Short Carbon Fibers; Structure and Properties of the Aluminium Alloy AlSi12CuNiMg after Laser Surface Treatment; Research on Obtaining Open-Cell Foam by Molten Metal Infiltration; Modelling of Hardness Prediction of Alloyed Copper Using Artificial Neural Networks Applications Comparative Overview of Different Physical-Chemical Treatments Applied for Real Textile Effluents Tribological Properties of Polymer

Composites Reinforced with Silver Particles; Reinforcement Corrosion to Aggressive Environment; Transport Phenomena in "Liquid Wood" Treated with a Complex Fluid Using the Scale Relativity; Computational Thermodynamic Analysis of Nanostructured Materials for Protective Coatings; Experimental Investigation to Evaluate the Optimum Performance of Helical Coiled Tube with Insert and Nano-Fluid; Microstructure and Mechanical Tests of AlNiMnZnCu High Entropy Alloys

Microstructure and Mechanical Properties of FeNiCrCuAl High Entropy Alloys; Microstructure Researches of Metallic Composite Foams Based on AlMg Alloys; Changes in the Structure and Properties of the Steel S700MC by Heat Treatment; Growth of AlN by Reactive Gas Injection of Nitrogen in an AlMg Matrix; Influence of Hot-Working Conditions on a Structure of X11MnSiAl17-1-3 Steel; Comparison of Long-Term Ageing Duration of Binary Ag-Cu Alloys; Influence of the Degree of Cold Drawing on the Microstructure and Properties of Pipes Used for Dampers

Distribution Coefficient of Arsenic During Liquid-Phase Epitaxy Layer Growth of Phosphide-Arsenide of Gallium; Researches on Fracture Surfaces Electrochemically Charged with Hydrogen; Oxidation Resistance of Coating Obtained by Innovative Methods for Energy Boilers; Secondary Radiation in Color Optical Filter Glasses by the Action of Plasma; Microstructural Characterization of Silicide Coatings on Mo and TZM Alloy; Laser Annealing of 8YSZ Powders; Decreasing the Adhesion Effect of Surfaces Using Graphite Pellicle Deposition through Electric Discharges in Pulse

Formation of Taylor Cone Shaped Asperities on Cylindrical Surfaces by Applying Electric Discharges in Pulse

Sommario/riassunto

Collection of selected, peer reviewed papers from the Modern Technologies in Industrial Engineering, July 13-16, Gliwice, Poland. The 189 papers are grouped as follows: Chapter 1: Applied Materials and Technologies, Chapter 2: Tools and Technologies for Materials Processing, Chapter 3: Parts and Components of Industrial Equipments, Chapter 4: Industrial Robotics, Chapter 5: Flexible and Integrated Manufacturing Systems, Chapter 6: Maritime Engineering and Technologies, Chapter 7: Modern Technologies in Product Design, Chapter 8: Engineering Management of Manufacturing Systems.
