1. Record Nr. UNINA9910789107303321

Titolo	Manufacturing engineering : selected, peer reviewed papers from the 1st International Manufacturing Engineering Conference (iMEC 2013), July 1-3, 2013, Gambang, Kuantan, Pahang, Malaysia / / edited by Ahmad Razlan Yusoff and Ismed Iskandar
Pubbl/distr/stampa	Zurich, Switzerland : , : TTP, , 2014 ©2014
ISBN	3-03826-401-6
Descrizione fisica	1 online resource (470 p.)
Collana	Advanced Materials Research, , 1662-8985 ; ; Volume 903
Disciplina	670.42
Soggetti	Manufacturing processes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Manufacturing Engineering; Preface, Organizing Committees and Sponsors; Table of Contents; Chapter 1: Materials and Manufacturing Process; Drilling of Carbon Fibre Composites: A Review; Tool Life and Flank Wear of Physical Vapour Deposited TiAlN Multilayer Coated Carbide End Mill Inserts when Machining AISI D2 Hardened Steel under Dry Cutting Condition; Effect of Tool Path Strategies in Pocket Milling of Aluminium Epoxy; Effect of Cutting Parameters on Tool-Chip Interface Temperature in an Orthogonal Turning Process; Finite Element Analysis of Aluminum-Kevlar/Epoxy Pressure Vessel Frictional Characteristics of Steel Materials Sliding against Mild SteelEffect of Different Qualities of Foam on Fill Particle Transport in Horizontal Well Cleanup Operation Using Coiled Tubing; Dry and Compressed Air Cooling Comparative Study on 6061 Aluminium Alloy Drilling Using Coated Drill; Influence of Workpiece Shape on MRR and EWR in EDM of Steel; The Effect of EDM Die-Sinking Parameters on Non-Conductive Materials; The Effect of Pressure on Warpage of Dumbbell Plastic Part in Injection Moulding Machine Feasibility Study of Casted Natural Fibre-LM6 Composites for Engineering ApplicationThe Structural and Surface Morphology of Annealed ZnO Films; Surface Roughness of Casted LM6 Using Natural Fibre Sand Casting Mould; Assessment of Machining Cost for End-

Milling of Ti-6Al-4V Titanium Alloy through RSM-Based Parametric Model; Experimental Investigation on Friction Coefficient of Engineering Polymers Sliding against Different Counterface Materials; Experimental Investigation on Static Mechanical Properties of Glass/Carbon Hybrid Woven Fabric Composite Laminates
Photoluminescene and Fourier Transform Infrared Measurement of Undoped Diamond-Like Carbon Thin Films by Direct Current - Plasma Enhanced Chemical Vapour DepositionEffect of Substrate Temperature on Structural and Optical Properties of Un-Doped Diamond Thin Film; Microstructure and Tensile Strength of Rapid Manufacturing Parts; Thermal Performance of Polyamide 6/Cloisite 20A Composite Hybrid by Adiabatic Extrusion: A Study on the Influence of Difference Approach of Compounding; Experimental Study of the Static Modal Analysis on Milling Machine Tool
Optimization of Electro Discharge Machining Parameters for Drilling Titanium in Small Holes Using Taguchi MethodThe Effect of Vortex Tube Cooling on Surface Roughness and Carbon Footprint in Dry Turning; Study on Potential Waste Insulating Material Properties in Water for Thermal Storage Application; Effect of TiC Particulates on the Microstructure and Mechanical Properties of Aluminium-Based Metal Matrix Composite; Studies on Tensile Properties of Titanium Carbide (TiC) Particulates Composites; Review of Aluminum Chip Machining Using Direct Recycling Process
Comparison of Cooling Performance between High Thermal Conductivity Steel (HTCS 150) and Hot Work Tool Steel (SKD 61) Insert for Experimental Tool Using Finite Element Analysis

Sommario/riassunto

Collection of selected, peer reviewed papers from the 1st International Manufacturing Engineering Conference (iMEC 2013), July 1-3, 2013, Gambang, Kuantan, Pahang, Malaysia. The 75 papers are grouped as follows: Chapter 1: Materials and Manufacturing Process, Chapter 2: Engineering, Manufacturing Automation and Optimization, Chapter 3: Manufacturing Systems and Management