

1. Record Nr.	UNINA9910460054603321
Titolo	Advanced research in materials and engineering applications : selected, peer reviewed papers from the World Virtual Conference on Advanced Research in Materials and Engineering Applications, September 22-26, 2014, Kuala Lumpur, Malaysia // edited by Nor Azwadi Che Sidik and Syahrullail Samion
Pubbl/distr/stampa	Pfaffikon, Switzerland : , : Trans Tech Publications Ltd, , 2015 Pfaffikon, Switzerland ; ; Enfield, New Hampshire : , : Trans Tech Publications Ltd : , : Trans Tech Publications Inc., , [date of distribution not identified] ©2015
ISBN	3-03826-724-4
Descrizione fisica	1 online resource (876 p.)
Collana	Applied Mechanics and Materials, , 1662-7482 ; ; Volume 695
Disciplina	620
Soggetti	Engineering Materials Mechanics Electronic books.
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 at the end of each chapters and indexes.
Nota di contenuto	Advanced Research in Materials and Engineering Applications; Preface and Organizing Committee; Table of Contents; Chapter 1: Material Science; Brief Review: Electrochemical Performance of LSCF Composite Cathodes - Influence of Ceria-Electrolyte and Metals Element; Use of Imaging Techniques for Viewing the Internal Structure of Rubberised Asphalt Mixtures; The Characteristics of Oil Palm Shell Biochar and Activated Carbon Produced via Microwave Heating; Surface Characteristics of Porous Coconut Shell Carbon Impregnated with Bimetallic Catalysts Parameter Optimization of AA6061-AA7075 Dissimilar Friction Stir Welding Using the Taguchi Method Impacts of Implementation of IBS Score Regulations of CIDB on the Concrete Volumes Required for Building Projects in Malaysia; Sustainable Removal of Heavy Metal Using

Extracted Pandanus amaryllifolius Roxb.; Sustainable Analysis in the Product Development of Al-Metal Matrix Composites Automotive Component; Study on Fibre Length and Composition of Kenaf-Polypropylene (K-PP) Composite for Automobile Interior Parts Effect of Benzyl Urea on Properties of Recycled High Density Polyethylene/Ethylene Vinyl Acetate/Egg Shell Powder Composites Synthesis and Characterization of Biochars from Textile Sludge Precursors; The Effects of Fibre Contents on the Tensile Strength and Surface Morphology of High Density Polyethylene/Palm Pressed Fibre Biocomposite Film; The Natural Frequency of the Shape Memory Alloy Anti-Symmetric Angle-Ply Composite Plates Using Finite Element Method  
Recycled High Density Polyethylene/Ethylene Vinyl Acetate (RHDPE/EVA) /Taro (Colocasia esculenta) Composites: The Effect of Caprolactam-Maleic Anhydride on Tensile Properties and Swelling Behaviour Effect of Filler Loading and Isophthalic Acid-Maleic Anhydride (IAMA) on Properties of Ethylene Vinyl Acetate/Natural Rubber/Potash Feldspar (EVA/NR/PF) Composites; High Pressure Cold Spray (HPCS) Process as Coating Treatment for Magnesium Chassis: An Overview; Stirring Enhances Removal of Oil by Kapok Fiber  
Mechanical Properties of Hybrid Thermosets from Vinyl Ester Resin and Acrylated Epoxidized Palm Oil (AEPO)The Effects of Evaporation Time on Morphological Structure of Polysulfone/Cellulose Acetate Phthalate/Polyvinylpyrrolidone (PSf/CAP/PVP) Blend Membranes; Mix Proportion of Concrete Containing Oil Palm Wastes as Replacement for Conventional Constituents; Effect of Fibre Loading on the Flexural Properties of Natural Fibre Reinforced Polymer Composites; Anticorrosion Epoxy Coating Enriched with Nanozinc and Montmorillonite (MMT)  
Stabilization of Marine Clay by Biomass Silica (Non-Traditional) Stabilizers

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Sommario/riassunto

Collection of selected, peer reviewed papers from the World Virtual Conference on Advanced Research in Materials and Engineering Applications, September 22-26, 2014, Kuala Lumpur, Malaysia. The 196 papers are grouped as follows: Chapter 1: Material Science; Chapter 2: Thermo, Fluid and Flow Research; Chapter 3: Applied Mechanics, Mathematical Modelling, Algorithms, Numerical Methods and Simulation; Chapter 4: Power and Energy Applications, Electrical Research; Chapter 5: Detection, Measurement, Instrumentation, Assessment

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