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| 1. Record Nr.           | UNINA9910464368403321   |
| Titolo                  | Advances in kinematics, mechanics of rigid bodies, and materials sciences : selected, peer reviewed papers from the 2013 International Conference on Kinematics, Mechanics of Rigid Bodies, and Materials (KINEMATICS 2013), November 2-3, 2013, Jakarta, Indonesia // edited by Ford Lumban Gaol [and three others]  |
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| Collana                 | Applied Mechanics and Materials, , 1662-7482 ; ; Volume 534   |
| Disciplina              | 531.112   |
| Soggetti                | Kinematics<br>Dynamics, Rigid<br>Materials science<br>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       | Advances in Kinematics, Mechanics of Rigid Bodies, and Materials Sciences; Preface, Committees, Sponsors and Speakers; Table of Contents; Chapter 1: Material Science; Strength of Concrete Containing Rice Husk Ash Subjected to Sodium Sulfate Solution via Wetting and Drying Cyclic; Deformation Characteristics of Concrete Containing High Volume Palm Oil Fuel Ash; Passive Damage Detection of Natural Fibre Reinforced Composites Using Sensor Response Data; Toughening of Wood/Poly(vinyl chloride) Composites by Using Ultrafine Rubber Particles: Mechanical and Rheological Investigations<br>Development and Characterization of SS316L Foam Prepared by Powder Metallurgy RouteInvestigation of Pore Structure for Manufactured Sand Mortar; Evaluation of Pore Size Distribution for Controlled Permeability Formwork Liner; Surface Morphology of Nano-Sized Titanium Dioxide; An Empirical Approach for Prediction of Natural Fiber Reinforced Polypropylene Composite Properties; Properties of Alpinia galanga Agro-Waste-HDPE Composites with Addition of MA-g-PE and Eco |

Degradant; Chapter 2: Applied Mechanics and Engineering  
A Model-Inspired Phenomenology Constitutive Equation for the  
Temperature-Dependence of Flow Stress at Confined Dimension IA  
Geometric Approach to the Decoupling Control and to Speed up the  
Dynamics of a General Rigid Body Manipulation System; Predicting  
Truck Load Variation Using Q-Truck Model; Magneto Rheological for  
Motorcycle Suspension Using Bouc-Wen Model; Velocity Statistics of a  
Fully Pulsed Round Jet in Streamwise Direction; Adaptive System  
Development for Secondary Skin; A New Method for Equilibria and  
Stability Analysis of Nonlinear Dynamical Systems  
Inverse Kinematic Solutions Using Artificial Neural NetworksKeywords  
Index; Authors Index

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Sommario/riassunto

Collection of selected, peer reviewed papers from the 2013  
International Conference on Kinematics, Mechanics of Rigid Bodies, and  
Materials (KINEMATICS 2013), November 2-3, 2013, Jakarta, Indonesia.  
The 18 papers are grouped as follows: Chapter 1: Material Science,  
Chapter 2: Applied Mechanics and Engineering

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