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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
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Soggetti	Kinematics Dynamics, Rigid Materials science
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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 Development and Characterization of SS316L Foam Prepared by Powder Metallurgy Route Investigation 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 Networks
Keywords
Index; Authors Index

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
