

1. Record Nr.	UNINA9910787298503321
Titolo	Automotive engineering and mobility research : selected, peer reviewed papers from the 2nd International Conference on Recent Advances in Automotive Engineering and Mobility Research (ReCAR 2013), December 16-18, 2013, Kuala Lumpur, Malaysia // edited by Rozli Zulkifli [and six others]
Pubbl/distr/stampa	Pfaffikon, Switzerland : , : Trans Tech Publications Ltd, , 2014 ©2014
ISBN	3-03826-645-0
Descrizione fisica	1 online resource (714 p.)
Collana	Applied Mechanics and Materials, , 1662-7482 ; ; Volume 663
Disciplina	629.046
Soggetti	Motor vehicles - Design and construction - Design and construction Occupational mobility Automobiles - Design and construction - Design and construction
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	Automotive Engineering and Mobility Research; Preface, Committee and Acknowledgements; Table of Contents; Chapter 1: Biodiesel, Diesel and Gases Fuel; An Analysis of the Ambient Condition Effect on Biodiesel Spray Using Constant Volume Chamber; Analysis of Mixture Formation and Flame Development in Biodiesel Burner Combustion Using Direct Optical Visualization Technique ; Comparative Study of Properties and Engine Performance Using Blend of Palm and Coconut Biodiesel Effect of Ethanol-Coconut Oil Methyl Ester on the Performance, Emission and Combustion Characteristics of a High-Pressure Common-Rail DI EngineEffect of Premixed Diesel Fuel on Partial HCCI Combustion Characteristics; Effects of Ambient Temperature Condition on Biodiesel Properties Derived from Palm Oil; Effects of Biodiesel on Performance and Emissions Characteristics in Diesel Engine; Prospect of Parallel Biodiesel and Bioethanol Production from JatrophaCurcas Seed; Public Perception and Acceptance of Diesel-Powered Passenger Cars in Malaysia: An Initial Study Stability Studies of Water-in-Diesel EmulsionSpray Characteristics of

Diesel-CNG Dual Fuel Jet Using Schlieren Imaging Technique; The Effect of High Carbon Dioxide Content on the Performance and Emission Characteristics of a Direct Injection (DI) Compressed Natural Gas Engine; Chapter 2: Computational and Experimental Mechanics; An Experimental and Numerical Analysis of Empty and Foam-Filled Aluminium Conical Tubes under Oblique Impact Loading; Application of the Wavelet Transforms for Compressing Lower Suspension Arm Strain Data

Fatigue Life Prediction of Leaf Spring through Multi Mean S-N Approach Importance of Selecting a Suitable Analysis Frequency Range in Impact Force Identification for Automobile Test Rig; Multi-Objective Optimization of Aluminum Foam Double Tube Subjected to Oblique Impact Loading for Automobile Bumper Beam; Stress Intensity Factors of Eccentric Cracks in Bi-Material Plates; Stress and Modal Analysis Assessment of Race Cars Chassis Structure; Control of Crack Propagation in Composite Fiberglass-Polyester Laminates Using Nitinol Wire

Simulation on Force Tracking Control of a Magnetorheological Damper under Impact Loading

Sommario/riassunto

Collection of Selected, Peer Reviewed Papers from the 2 nd International Conference On recent Advances in Automotive Engineering and Mobility Research (ReCAR 2013), December 16-18, 2013, Kuala Lumpur, Malaysia. The 120 papers are grouped as follows: Chapter 1: Biodiesel, Diesel and Gases Fuel, Chapter 2: Computational & Experimental Mechanics, Chapter 3: Dynamics, Control and Mechatronics, Chapter 4: Materials and Processing Technologies, Chapter 5: Engine Lubrication and Thermoengineering, Chapter 6: Internal Combustion Engine and Computational Fluid Mechanics, Chapter 7: Noise, Monitoring, Vi
