

1. Record Nr.	UNINA9910811812803321
Titolo	Advanced materials, structures and mechanical engineering : selected, peer reviewed papers from the 2014 International Conference on Materials, Structures and Mechanical Engineering (ICAMSME 2014), May 3-4, 2014, Incheon, South-Korea / / edited by H.M. Song, J.W. Hu and H.K. Son
Pubbl/distr/stampa	Pfaffikon, Switzerland : , : TTP, , 2014 Enfield, New Hampshire : , : Trans Tech Publications Ltd, , [date of distribution not identified] ©2014
ISBN	3-03826-638-8
Descrizione fisica	1 online resource (1199 p.)
Collana	Advanced Materials Research, , 1662-8985 ; ; Volumes 1025-1026
Disciplina	621
Soggetti	Mechanical engineering
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 index.
Nota di contenuto	Advanced Materials, Structures and Mechanical Engineering; Preface; Table of Contents; Chapter 1: Applied Mechanics and Manufacturing Processes Engineering; Particleboard Manufactured with Additions of Eucalyptus Bark in Different Percentages in the Internal Layer; Screening for Welding Defects Using Acoustic Emission Technique; Medium Density Particleboard (MDF) Produced with Pinus caribaea Fibers and Castor Oil Based Polyurethane Resin; Fatigue Evaluation of Trough Splice Joints in Orthotropic Steel Decks Design of Pressurized Vaulted Rectangular Conduits Using the Rough Model Method (Part 2)Thermo Elastohydrodynamic Lubrication with Liquid-Solid Lubricant; The Influence of the Production Process on Mechanical Properties of Rubber Testing Samples; Influence of Moisture Content in some Mechanical Properties of Two Brazilian Tropical Wood Species; Physical and Mechanical Properties of Dipteryx odorata (Aublet) Willd; Modelling of Fretting Wear under Partial Slip Conditions Using Combined Isotropic-Kinematic Hardening Plasticity Model Modeling Errors in Coordinate Measuring Machines and Machine Tools

Using Homogeneous Transformation Matrices (HTM) Extraction and Thermal Processing of Beke Oil Sands; Influence of Storage Period of Pieces in Stiffness of Pinus elliottii Glulam Beams; The Cracking Mechanism and Anti-Cracking Measures for Hydraulic Mass Concrete; Approach to the Ear Plate and Round Steel Connection; Numerical Modelling of Nonlinear Vibration Isolation System Free Oscillations; Study about the Stone Curves and the Development of Polygonal Shape Cutting Device

About Verification of Discrete-Continual Finite Element Method for Two-Dimensional Problems of Structural Analysis Part 1: Deep Beam with Constant Physical and Geometrical Parameters along Basic Direction About Verification of Discrete-Continual Finite Element Method for Two-Dimensional Problems of Structural Analysis Part 2: Deep Beam with Piecewise Constant Physical and Geometrical Parameters along Basic Direction; Fatigue Evaluation of Autofrettaged Thick-Walled Cylinders with a Radial Cross-Bore; Testing of Mechanical Protection of Data Distribution Mechanisms

Utilization of Mosaic Sludge Waste into Fired Clay Brick: Properties and Leachability Experimental and Numerical Investigation on Flow Characteristics of a Water Jet Impingement; Structural Design and Improvement of Wind-Driven Generator Cooling System; A Ground Test Method and the Error Analysis of the Heat Exchanger in the Intake of Aircraft; Refined FEM Analysis of 1000MW Generator Stator during Integral Transportation on Railway; 3D Ice Accretion Simulation for Complex Configuration Basing on Improved Messinger Model; Automatic Machine for Sorting Colored Objects with Conveyor Belt Research into Fatigue Crack Life Characteristics of Bellows Operated under High-Frequency Load

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2014 International Conference on Advanced Materials, Structures and Mechanical Engineering (ICAMSME 2014), May 3-4, 2014, Incheon, South-Korea. The 213 papers are grouped as follows: Chapter 1: Applied Mechanics and Manufacturing Processes Engineering, Chapter 2: Material Science and Technology, Chapter 3: Civil and Structural Engineering, Chapter 4: Other Related Topics.
