

1. Record Nr.	UNINA9910299825203321
Titolo	Transactions on Engineering Technologies : World Congress on Engineering 2014 // edited by Gi-Chul Yang, Sio-long Ao, Len Gelman
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2015
ISBN	94-017-9804-4
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (760 p.)
Disciplina	620 621.382 629.8 670
Soggetti	Industrial engineering Production engineering Telecommunication Automatic control Robotics Automation Industrial and Production Engineering Communications Engineering, Networks Control, Robotics, Automation
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 and indexes.
Nota di contenuto	1 Numerical Study of Conjugate Natural Convection From Discrete Heat Sources -- 2 Study of Soil-Structure Interaction Problems Using Mixed FEM-BEM Formulations -- 3 A Study of the Reliability of Electronic Telecommunication Systems Working at Subsea Level -- 4 The Navier-Stokes Problem In Infinite Space -- 5 Transient Problem For A Accreted Thermoelastic Block -- 6 Developing of a 1-D Combustion Model And Study of Engine Performance And Exhaust Emission Using Ethanol-Gasoline Blends -- 7 An Approach To Modeling Of Additive Manufacturing Technologies -- 8 Analysis Of The Cutting Forces In Manufacturing Stainless Steel Femoral Heads Using Finite Element Method -- 9 Flow slide Investigations Test Rig Design -- 10 Influence

Of Wire EDM On Fracture Toughness Of Ti6Al4V -- 11 Accuracy Of Available Methods To Evaluate Vierendeel Failure Load -- 12 Influence Of Tibial Translation On Estimates Of Patellar Tendon Force During Knee Flexion -- 13 Numerical Simulation Of The Aerodynamic Loads On Trees During Storms -- 14 Effecting Quench Agitation By Immersion Speed Variation Of C30 Carbon Steel And Mechanical Properties Examination -- 15 Simulation And Verification Of A RANS Developed Model For Ventilation Flow Through A Room Caused By A Two-Sided Wind catcher Using A Les CFD Technique -- 16 Visualising Dynamic Stall Around A Vertical Axis Wind Turbine Blade Through Particle Image Velocimetry -- 17 Discrete And Continuous Growth Of Deformable Cylinder -- 18 Design And Characterization Of A Model Pilot Multi-Tube For The Transfer Of Heating The Fire Tube Boilers In Academic Laboratories -- 19 Experimental And Computational Studies On Effects Of Scale-Up Of Riser On Heat Transfer Characteristics Of Circulating Fluidized Bed -- 20 Predicting The Influence Of The Machining Parameters On The Tool Tip -- 21 Production Planning For Make-To-Order Flow Shop System Under Hierarchical Workforce Environment -- 22 A Conceptual Framework For Analysing Supply Chain Performance Of Oil Palm Refinery In Malaysia -- 23 Investigations On Abrasive Electrochemical Grinding Process (AECG) -- 24 Pre-Cooling Effects On The Resulting Grain Size In Friction Stir Processing Of AZ31B -- 25 Survey On Simulation Methods In Multi-Axis Machining -- 26 An Approach To Modelate Human Error On Biodiesel Plants: Analysis Of Active Failures And Latent Conditions -- 27 Exploring Pareto Frontiers In The Response Surface Methodology -- 28 The Implications Of Wet And Dry Turning On The Surface Quality Of EN8 Steel -- 29 Variable Selection Methods For Process Monitoring -- 30 Grouping Of Visible Terminals For Achieving High Throughput Of Wireless Networks -- 31 Experimental Study On RSS Based Indoor Positioning Algorithms -- 32 Study And Simulation Of Protocols Of WSN Using NS2 -- 33 Building Successful Brand On The Internet -- 34 An Active Integrated ZIGBEE RFID System With GPS Functionalities For Location Monitoring Utilizing Wireless Sensor Network And GSM Communication Platform -- 35 Leveraging MMWAVE Technology For Mobile Broadband/ Internet Of Things -- 36 Fast Power-Efficient Techniques For Collision Detection In Wireless Sensor Networks -- 37 Power Aware Virtual Path Routing Protocol For Cognitive Radio Ad Hoc Networks -- 38 Performance Evaluation Of VOIP QOS Parameters Using WIFI-UMTS Networks -- 39 Extended Performance Studies Of Wi-Fi IEEE 802.11 A, B, G Laboratory WEP Point-To-Multipoint And Point-Topoint Links -- 40 Deterministic Ethernet Using A Network Traffic Oscillator -- 41 Cryptographic Adversary Model: Timing And Power Attacks -- 42 Using Elliptic Curve Encryption And Decryption For Securing Audio Messages -- 43 Cryptographic Adversary Model: Timing And Power Attacks -- 44 Forensics Issues In Cloud Usage -- 45 Undergraduate Student Retention Prediction Using Wavelet Decomposition -- 46 Construction Of Radar SAR Images From Digital Terrain Model And Geometric Corrections -- 47 Traffic Light Control Based On The Road Image Analysis -- 48 On Cellular Automata Framework For Image Processing Hardware.-49 Dynamic Simulation of the Temporomandibular Joint -- 50 Using Information Gain to Compare The Efficiency of Machine Learning Techniques When Classifying Influenza Based on Viral Hosts -- 51 Process Optimization, Empirical Modeling and Characterization of Biodiesel From Cottonseed Oil.

Sommario/riassunto

This volume contains fifty-one revised and extended research articles written by prominent researchers participating in the international conference on Advances in Engineering Technologies and Physical

Science (London, UK, 2-4 July, 2014), under the World Congress on Engineering 2014 (WCE 2014). Topics covered include mechanical engineering, bioengineering, internet engineering, wireless networks, image engineering, manufacturing engineering, and industrial applications. The book offers an overview of the tremendous advances made recently in engineering technologies and the physical sciences and their applications, and also serves as an excellent reference for researchers and graduate students working in these fields.
