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Altri autori (Persone)	BeynonJ. H (John Herbert) FarrugiaDidier C. J
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Oxide Scale Behaviour in High Temperature Metal Processing; Contents; Preface; 1: Introduction; 2: A Pivotal Role of Secondary Oxide Scale During Hot Rolling and for Subsequent Product Quality; 2.1 Friction; 2.2 Heat Transfer; 2.3 Thermal Evolution in Hot Rolling; 2.4 Secondary Scale-Related Defects; References; 3: Scale Growth and Formation of Subsurface Layers; 3.1 High-Temperature Oxidation of Steel; 3.2 Short-Time Oxidation of Steel; 3.3 Scale Growth at Continuous Cooling; 3.4 Plastic Deformation of Oxide Scales; 3.5 Formation and Structure of the Subsurface Layer in Aluminum Rolling References4: Methodology Applied for Numerical Characterization of Oxide Scale in Thermomechanical Processing; 4.1 Combination of Experiments and Computer Modeling: A Key for Scale Characterization; 4.2 Prediction of Mild Steel Oxide Failure at Entry Into the Roll Gap as an Example of the Numerical Characterization of the Secondary Scale Behavior; 4.2.1 Evaluation of Strains Ahead of Entry into the Roll Gap;

4.2.2 The Tensile Failure of Oxide Scale Under Hot Rolling Conditions;
 4.2.3 Prediction of Steel Oxide Failure During Tensile Testing
 4.2.4 Prediction of Scale Failure at Entry into the Roll Gap4.2.5
 Verification Using Stalled Hot Rolling Testing; References; 5: Making
 Measurements of Oxide Scale Behavior Under Hot Working Conditions;
 5.1 Laboratory Rolling Experiments; 5.2 Multipass Laboratory Rolling
 Testing; 5.3 Hot Tensile Testing; 5.4 Hot Plane Strain Compression
 Testing; 5.5 Hot Four-Point Bend Testing; 5.6 Hot Tension
 Compression Testing; 5.7 Bend Testing at the Room Temperature;
 References; 6: Numerical Interpretation of Test Results: A Way Toward
 Determining the Most Critical Parameters of Oxide Scale Behavior
 6.1 Numerical Interpretation of Modified Hot Tensile Testing6.2
 Numerical Interpretation of Plane Strain Compression Testing; 6.3
 Numerical Interpretation of Hot Four-Point Bend Testing; 6.4 Numerical
 Interpretation of Hot Tension-Compression Testing; 6.5 Numerical
 Interpretation of Bend Testing at Room Temperature; References; 7:
 Physically Based Finite Element Model of the Oxide Scale: Assumptions,
 Numerical Techniques, Examples of Prediction; 7.1 Multilevel Analysis;
 7.2 Fracture, Ductile Behavior, and Sliding; 7.3 Delamination, Multilayer
 Scale, Scale on Roll, and Multipass Rolling
 7.4 Combined Discrete/Finite Element ApproachReferences; 8:
 Understanding and Predicting Microevents Related to Scale Behavior
 and Formation of Subsurface Layers; 8.1 Surface Scale Evolution in the
 Hot Rolling of Steel; 8.2 Crack Development in Steel Oxide Scale Under
 Hot Compression; 8.3 Oxide Scale Behavior and Composition Effects;
 8.4 Surface Finish in the Hot Rolling of Low-Carbon Steel; 8.5 Analysis
 of Mechanical Descaling: Low-Carbon and Stainless Steel; 8.6
 Evaluation of Interfacial Heat Transfer During Hot Steel Rolling
 Assuming Scale Failure Effects
 8.7 Scale Surface Roughness in Hot Rolling

Sommario/riassunto

The result of a fruitful, on-going collaboration between academia and industry, this book reviews recent advances in research on oxide scale behavior in high-temperature forming processes. Presenting novel, previously neglected approaches, the authors emphasize the pivotal role of reproducible experiments to elucidate the oxide scale properties and develop quantitative models with predictive accuracy. Each chapter consists of a detailed, systematic examination of different aspects of oxide scale formation with immediate impact for researchers and developers in industry. The clear and strin

2. Record Nr.	UNINA9910299714703321
Titolo	Transactions on Engineering Technologies : International MultiConference of Engineers and Computer Scientists 2013 // edited by Gi-Chul Yang, Sio-long Ao, Xu Huang, Oscar Castillo
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Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 275
Disciplina	620
Soggetti	Engineering mathematics Engineering - Data processing Automatic control Robotics Automation Mathematical models Computational intelligence Mathematical physics Mathematical and Computational Engineering Applications Control, Robotics, Automation Mathematical Modeling and Industrial Mathematics Computational Intelligence Theoretical, Mathematical and Computational Physics
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Nota di contenuto	1 Statistics Of Critical Avalanches In Vertical Nanopillar Arrays -- 2 Quantum Chemical Study Of Point Defects In Tin Dioxide.-3 The Investigation Of The Adsorption Of Thiophene On Nimos Surface: A Density Functional Theory Study -- 4 Investigation On Control Issues In Power Converters For Advanced Micro-Grid Operations -- 5 Temporal Characteristics Of Wavelet Subbands Of Epileptic Scalp EEG Data Based On The Number Of Local Min-Max -- 6 Vibration And Reflection Reduction In Images Captured From Moving Objects Connected

Through A Wireless Sensor Network -- 7 Specifying Resource-Centric Services In Cyber Physical Systems -- 8 Analyzing The Relationship Between B2b E-Marketplace Adoption And E-business Performance Using NK Simulation Method -- 9 Computing Implied Volatilities For Exchange-Traded Options On Dividend-Paying Stocks -- 10 Investigating Polling Cycle Time With Waited-Based DBA In GPONS -- 11 Island-Model-Based Distributed Modified Extremal Optimization For Reducing Crossovers In Reconciliation Graph -- 12 Early-Warning System In Bridge Monitoring Based On Acceleration And Displacement Data Domain -- 13 An Intelligent Train Marshaling Plan Of Freight Cars Considering I/O Arrangements -- 14 A Neural-Network-Based Hand Posture Recognition Method -- 15 Efficient Approach One-Versus-All Binary Tree For Multiclass SVM -- 16 Parametric Control Of National Economy's Growth Based On Regional Computable General Equilibrium Model -- 17 Integrating Dynamic Composition Estimation With Model Based Control For Ethyl Acetate Production -- 18 An Iterative Process For Solving The Constrained Convex Optimization Problem Via Fixed Point Methods -- 19 A Finite Difference Method For Electrostatics With Curved Boundaries -- 20 Modified Iterative Scheme For Multivalued Nonexpansive Mappings, Equilibrium Problems And Fixed Point Problems In Banach Spaces -- 21 Counting The Number Of Multi-Player Partizan Cold Games Born By Day D -- 22 Linear Programming Formulation Of Boolean Satisfiability Problem -- 23 Optimization Of Path For Water Transmission And Distribution Systems -- 24 Hierarchical Equilibrium And Generalized Variational Inequality Problems -- 25 Workforce Scheduling Using The Peast Algorithm -- 26 A New Hybrid Relaxed Extragradient Algorithm For Solving Equilibrium Problems, Variational Inequalities And Fixed Point Problems -- 27 Random Fuzzy Multiobjective Linear Programming With Variance Covariance Matrices. 28 The Different Ways Of Using Utility Function With Multi-Choice Goal Programming -- 29 A New Viscosity Cesaro Mean Approximation Method For A General System Of Finite Variational Inequalities And Fixed Point Problems In Banach Spaces -- 30 Optimal Models For Adding Relation To An Organization Structure With Different Numbers Of Subordinates At Each Level.

Sommario/riassunto

This volume contains revised and extended research articles written by prominent researchers participating in the international conference on Advances in Engineering Technologies and Physical Science was held in Hong Kong, 13-15 March, 2013. Topics covered include engineering physics, engineering mathematics, scientific computing, control theory, automation, artificial intelligence, electrical engineering, and industrial applications. The book offers the state of art of tremendous advances in engineering technologies and physical science and applications, and also serves as an excellent reference work for researchers and graduate students working with/on engineering technologies and physical science and applications.

3. Record Nr.	UNISA996716296003316
Autore	JOSCA, Giuseppe <1928-2014>
Titolo	Rapporto Tower : Iran, ostaggi, armi, Contras, Achille Lauro, fondi neri ... : l'inchiesta che sconvolge l'America di Reagan / Giuseppe Josca, Mario Platero ; prefazione di Arthur Schlesinger jr
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Altri autori (Persone)	PLATERO, Mario
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