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Nota di contenuto	Progress in Industrial and Civil Engineering III; Preface and Conference Organization; Table of Contents; Chapter 1: Structural Engineering; A Proposal for the Consolidation of a R.C. Social Housing by Means of External Hybrid Steel-Glass Frameworks; A Quadrilateral Meshing Method for Shear-Wall Structures; Application of Precast Concrete Shear Wall Structure in Residential Projects; Assembled Wallboards Standardization Study in Steel Frame Structure; Causes and Control Measures of Cracks in Masonry Structure Characteristics of Structure Small Damage Detection under Strong Noise Background of Wavelet of Potter SyndromeComparative Study of Standards EC2 ECP203 and CBA93 for the Design of a Rectangular Section; Crack Identification of Frame Structure by Means of Wavelet Analysis of Strain Mode; Damage Monitoring Research of the Concrete Structure Based on the Piezoelectric Impedance; Discussion on the Effective Flange Width of the Floor; Dynamic Analysis of Suspended River Crossing Pipeline; Dynamic Response of Reticulated Domes under the Impact

Estimation of Load Bearing Capacity of Eccentrically Compressed Reinforced Concrete Elements under Dynamic Loading in Fire ConditionsEvaluation of the SIF for the Multiple Crack Problems; Experimental Research on Thermal Behavior of Light Gauge Steel-Framed Composite Walls with Slotted Studs; Experimental Study and Theoretical Analysis of Ultimate Strength for Steel Tubular Joint of UHV Transmission Towers; Experimental Study on Bearing Capacity of Q690 High-Strength Steel Tubes under Axial Load; Experimental Study on Durability of Foundation Concrete of Transmission Lines in Golmud Area
Experimental Study on Properties of Side Joint between Superimposed Slabs with Lattice Steel BarsFinite-Element Analysis of Prestressed Concrete Frame Joints with Spread-Ended Beams; Frame Beam-Column Joints in the Design of the Concrete Strength Grade; Human Induced Vibration of Flooring-Systems in a High-Rise Building; Influence of Load Condition on Flexural Properties and Shear Properties of Steel Tubular Columns Filled with Steel-Reinforced Concrete; Influence of Load Conditions on Mechanical Behaviors of Steel Tubular Columns Filled with Steel-Reinforced Concrete Subjected to Axial Load
KNN Classification Based MCS Method of Structural Reliability AnalysisMeasurement Analysis of Mechanical Properties of Round-Ended Concrete Filled Steel Tube Coupled Tower Column during Construction Phase; Mechanical Properties Analysis and Optimal Design of the Main Girder of Movable Scaffold System; Mechanism Analysis of Impact Performance for Tubular K-Joint under Lateral Impact Force; Modal Analysis for the Vibration Isolator of the Laminated Curved Plate; Nonlinear Finite Element Analysis of Continuous Steel-Concrete Composite Beams
Nonlinear Input Power Flow Analysis of a Plate with a Breathing Crack

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2014 3 rd International Conference on Civil, Architectural and Hydraulic Engineering (ICCAHE 2014), July 30 -31, 2014, Hangzhou, China. The 477 papers are grouped as follows: Chapter 1: Structural Engineering, Chapter 2: Geotechnical and Geological Engineering, Chapter 3: Tunnel, Subway and Underground Facilities, Chapter 4: Bridge Engineering, Chapter 5: Road and Railway Engineering, Chapter 6: Coastal Engineering, Chapter 7: Materials and Technologies of Construction, Chapter 8: Computational Mechanics and Applied Mechanics, Chapter 9: Se