

1. Record Nr.	UNINA9910828663103321
Titolo	Advances in civil engineering and transportation IV : selected, peer reviewed papers from the 4th International Conference on Civil Engineering and Transportation (ICCET 2014), December 24-25, 2014, Xiamen, China / / edited by Xiangdong Zhang and Bin Zhang
Pubbl/distr/stampa	Pfaffikon, Switzerland : , : Trans Tech Publications Ltd, , 2015 ©2015
ISBN	3-03826-806-2
Descrizione fisica	1 online resource (2449 p.)
Collana	Applied Mechanics and Materials, , 1662-7482 ; ; Volumes 774-746
Disciplina	629.04
Soggetti	Transportation engineering Highway engineering Railroad engineering Traffic engineering Motor vehicles - 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	Advances in Civil Engineering and Transportation IV; Preface and Conference Organization; Table of Contents; Chapter 1: Structural Engineering; Analyzing Fracture Behavior of Beam-Column Joints Using Micromechanical Fracture Models; Calculation and Analysis for Limit Bearing Capacity of Steel Tube Reinforced Short Column Piers by Limit Equilibrium Method; Collapse Reason Analysis of a Steel Truss Building under Snow Disaster; Comparative Study of the Loads Acting on the Operating Cardanic Transmission in the Closed and Open Loop Configurations Comparison of Stability and Deformation Performance of Cable-Braced Grid Shell with Different Section Forms of Steel Tube Corrosion Protection Technology of Steel Structure in Marine Environment; Damage Identification of Space Truss Structure Based on Strain Modal and Wavelet Transform; Degradation Mechanism of Reinforced Concrete Beam Subjected to Fatigue Loads and Seawater Erosion;

Detection Indicator of Structural Nondestructive Damage Based on Flexibility Curvature Difference Rate; Discussion about the Development Principles of Reinforced Location Test Instrument Calibration Components

Durability Design of Marine Concrete Structure Considering the Influence of LoadDynamic Analysis of Concrete Frame Structure with Story-Adding Steel Structure at the Top; Dynamic Nonlinear Analysis of Semi-Rigid Steel Frames Based on the Finite Particle Method; Effects of Silica Fume on Concrete Compressive Strength; Evaluation on Dynamic Responses of Transmission Lines Subjected to Wind Excitations; Experiment Research on Seismic Performance of Framework Joint Connected with Strengthening Planting Bar

Experimental Research on Behavior of Axially Square CFRP Steel Tubular Confined Recycled Aggregate Concrete Long ColumnsExperimental Research on Behavior of CFRP Circular Steel Tubular Confined Recycled Aggregate Concrete Columns under Axial Compression; Experimental Research on Seismic Performance of PHC Pipe Piles; Experimental Study of Seismic Performance of Precast Fabricated Integration Shear Wall; Experimental Study on Seismic Behavior of Masonry Walls with Window Openings Strengthened with Sprayed GFRP

Experimental Study on the Concrete Performance Corroded by Different Salts under the Condition of Freezing-Thawing CyclesExperimental Study on the Hysteretic Performance of H-Beam to Square Tubular Column Connections with Diaphragm-Through; Experimental Tests of Historic Bent Timber Elements Reinforced with Steel Hoop and Mortise-Tendon Joint; Failure Mechanisms of Stone Masonry Dome; Finite Element Analysis of Sheet Pile Wharf with Separated Relieving Platform; Finite Element Analysis on Impact Factors of Castellated Steel Reinforced High Strength Concrete Beams

Fire Test on Two-Way Slab with Two Edges Clamped and Two Edges Simply Supported

## Sommario/riassunto

Collection of selected, peer reviewed papers from the 4th International Conference onCivil Engineering and Transportation (ICCET 2014), December 24-25, 2014, Xiamen, China. The 462 papers are grouped as follows: Chapter 1: Structural Engineering; Chapter 2: Geotechnical Engineering and Geological Engineering; Chapter 3: Bridge Engineering; Chapter 4: Earthquake Engineering; Chapter 5: Tunnel, Subway and Underground Facilities; Chapter 6: Hydraulic and Hydrodynamics Engineering, Water Supply and Drainage Engineering; Chapter 7: Coastal Engineering; Chapter 8: Roads and Railway Engineering; Chap