1. Record Nr.   UNINA9910461300003321

   Titolo   Computing in civil engineering [[electronic resource]] : proceedings of
                        the 2011 ASCE International Workshop on Comuputing in Civil
                        Engineering, June 19-22, 2011, Miami, Florida / / sponsored by
                        Technical Council on Computing and Information Technology of the
                        American Society of Civil Engineers ; edited by Yimin Zhu, Raymond Issa

   Pubbl/distr/stampa   Reston, Va., : American Society of Civil Engineers, c2011

   ISBN   0-7844-7672-1

   Descrizione fisica   1 online resource (934 p.)

   Altri autori (Persone) ZhuYimin
                           IssaRaymond

   Disciplina   624.0285

   Soggetti   Computer-aided engineering
                        Civil engineering - Data processing
                        Electronic books.

   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   ""Cover""; ""Contents""; ""Novel Engineering, Construction, and
                        Management Technologies""; ""A Study of Implementation of IP-S2
                        Mobile Mapping Technology for Highway Asset Condition Assessment"";
                        ""An Automated Stabilization Method for Spatial-to-Structural Design
                        Transformations""; ""Determination of the Optimal Positions of Window
                        Blinds through Multi-Criteria Search""; ""Performance of Two Model-
                        Free Data Interpretation Methods for Continuous Monitoring of
                        Structures under Environmental Variations""; ""Condition-Based
                        Maintenance in Facilities Management""
                        ""Toward Sustainable Financial Innovation Policies in Infrastructure: A
                        Framework for Ex-Ante Analysis""""A Multi-Objective Generic Algorithm
                        Approach for Optimization of Building Energy Performance"";
                        ""Comparison of Image-Based and Manual Field Survey Methods for
                        Indoor As-Built Documentation Assessment""; ""Image-Based 3D
                        Reconstruction and Recognition for Enhanced Highway Condition
                        Assessment""; ""Design and Evaluation of Algorithm and Deployment
                        Parameters for an RFID-Based Indoor Location Sensing Solution""

""Impact of Ambient Temperature, Tag/Antenna Orientation, and Distance on the Performance of Radio Frequency Identification in Construction Industry""""Multiobjective Optimization of Advanced Shoring Systems Used in Bridge Construction""; ""Application of Dimension Reduction Techniques for Motion Recognition: Construction Worker Behavior Monitoring""; ""Civil and Environmental Engineering Challenges for Data Sensing and Analysis""; ""Automated 3D Structure Inference of Civil Infrastructure Using a Stereo Camera Set""

""Unstructured Construction Document Classification Model through Support Vector Machine (SVM)""""Automatic Look-Ahead Schedule Generation System for the Finishing Phase of Complex Projects for General Contractors""; ""Sustainable Construction Ontology Development Using Information Retrieval Techniques""; ""Machine Vision Enhanced Post-Earthquake Inspection""; ""Continuous Sensing of Occupant Perception of Indoor Ambient Factors""; ""Effects of Color, Distance, and Incident Angle on Quality of 3D Point Clouds""

""The Effective Acquisition and Processing of 3D Photogrammetric Data from Digital Photogrammetry for Construction Progress Measurement""""Data Transmission Network for Greenhouse Gas Emission Inspection""; ""Wearable Physiological Status Monitors for Measuring and Evaluating Workersa€? Physical Strain: Preliminary Validation""; ""A Framework for Optimizing Detour Planning and Development around Construction Zones""; ""A Multi-Objective Decision Support System for PPP Funding Decisions""; ""Truck Weigh-in-Motion Using Reverse Modeling and Genetic Algorithms""

""The Application of Artificial Neural Network for the Prediction of the Deformation Performance of Hot-Mix Asphalt""