

1. Record Nr.	UNINA9910460284603321
Titolo	Computing in civil engineering 2015 : proceedings of the 2015 International Workshop in Civil Engineering, June 21-23, 2015, Austin, Texas // sponsored by Computing and Information Technology Division of the American Society of Civil Engineers ; edited by William J. O'Brien, Ph.D., P.E., Simone Ponticelli, Ph.D
Pubbl/distr/stampa	Reston, Virginia : , : American Society of Civil Engineers, , 2015 ©2015
ISBN	0-7844-7924-0
Descrizione fisica	1 online resource (730 p.)
Disciplina	620.00420285
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.
Nota di contenuto	""Cover""; ""Contents""; ""Data, Sensing, and Analysis""; ""4D Full-Scale Finite Element Analysis in Bridge Engineering""; ""Agent Based Model for Resource Constrained Scheduling of Construction Projects""; ""Comparison between Nominal and Actual Hourly Production of Crawler-Type Dozer: A Case Study""; ""Automatic Satellite-Based Vessel Detection Method for Offshore Pipeline Safety""; ""Skeleton-Based Registration of 3D Laser Scans for Automated Quality Assurance of Industrial Facilities""; ""Mobile Proximity Sensing Technologies for Personnel and Equipment Safety in Work Zones"" ""Feature Extraction and Classification of Household Refrigerator Operation Cycles: A Study of Undisturbed Refrigerator Scenario"" Automated Tolerance Analysis of Curvilinear Components Using 3D Point Clouds for Adaptive Construction Quality Control""; ""A Spatial Analysis of Occupant Energy Efficiency by Discrete Signal Processing on Graphs""; ""Pavement Surface Permanent Deformation Detection and Assessment Based on Digital Aerial Triangulation""; ""A Case Study of Construction Equipment Recognition from Time-Lapse Site Videos under Low Ambient Illuminations""

""A BIM-Enabled Platform for Power Consumption Data Collection and Analysis""; ""Wavelet Transform on Multi-GPU for Real-Time Pavement Distress Detection""; ""Real-Time Location Data for Automated Learning Curve Analysis of Linear Repetitive Construction Activities""; ""An Empirical Comparison of Internal and External Load Profile Codebook Coverage of Building Occupant Energy-Use Behavior""; ""Challenges in Data Management When Monitoring Confined Spaces Using BIM and Wireless Sensor Technology""; ""GIS-Based Decision Support System for Smart Project Location""

""Thermal Comfort and Occupant Satisfaction of a Mosque in a Hot and Humid Climate""; ""Threshold-Based Approach to Detect Near-Miss Falls of Iron Workers Using Inertial Measurement Units""; ""A Framework for Model-Driven Acquisition and Analytics of Visual Data on Using UAVs for Automated Construction Progress Monitoring""; ""Semantic Annotation for Context-Aware Information Retrieval for Supporting the Environmental Review of Transportation Projects""; ""Automated Extraction of Information from Building Information Models into a Semantic Logic-Based Representation""

""Electrical Contractors' Safety Risk Management: An Attribute-Based Analysis""; ""Ontology-Based Information Extraction from Environmental Regulations for Supporting Environmental Compliance Checking""; ""Laser Scanning Intensity Analysis for Automated Building Wind Damage Detection""; ""Recognition and 3D Localization of Traffic Signs via Image-Based Point Cloud Models""; ""Automated Cycle Time Measurement and Analysis of Excavator's Loading Operation Using Smart Phone-Embedded IMU Sensors""

""Deviation Analysis of the Design Intent and Implemented Controls of HVAC Systems Using Sensor Data: A Case Study""
