Record Nr. UNINA9910461064803321 **Titolo** AEI 2011 [[electronic resource]]: building integration solutions: proceedings of the 2011 Architectural Engineering National Conference. March 30-April 2, 2011 Oakland, California / / sponsored by the Architectural Engineering Institute (AEI) of the American Society of Civil Engineers; edited by Abraham C. Lynn, Robert Reitherman Reston, VA,: American Society of Civil Engineers, 2011 Pubbl/distr/stampa **ISBN** 0-7844-7658-6 Descrizione fisica 1 online resource (513 p.) Altri autori (Persone) LynnAbraham C ReithermanRobert <1950-> Disciplina 690 Soggetti Building Structural engineering Buildings - Repair and reconstruction Architecture 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 index. ""Cover""; ""Contents""; ""Architectural Engineering Education""; ""The Nota di contenuto Temple of Antioch: A Study Abroad Internship for Architectural Engineering Students""; ""The Golden Gate Bridge Outdoor Exhibition: Public Works for Public Learning""; ""The Retention of Women in the Architectural Engineering Workforce""; ""Using Case Studies to Characterize the Broader Meaning of Engineering Design for Todaya€?s Student""; ""Carnegie Mellon University Facilities as an Educational Laboratory""; ""Drawing and Modeling: Analog Tools in the Age of BIM"" ""Hands-On Green Building Activities for Beginning Students""" Structural Integration Solution for the Texas A&M 2007 Solar Decathlon a€œGroHomea€?""; ""Evaluation of the Development of Student Skills in Visual and Computer-Aided Structural Modeling in Architecture"; ""Public Private Partnership (PPP)a€?Sustainability in the Context of PPP Educational Projects in Ireland""; ""Participation of Women in

Architectural Engineering: What Causes It?""; ""Interdisciplinary Design

Experience for the Masses""; ""Accreditationa€?The New Architectural Engineering Program Criteria""

""Building Envelope""""You Cana€?t Judge a Book by Its Cover:
Rethinking the Open Rainscreen for the Exterior Building Envelope"";
""Evaluation of Three-Coat Stucco Installations on Commercial
Buildings""; ""Managing Occupant Comfort with Highly Transparent AllGlass Facades""; ""Introduction of a Transparent Sustainable LoadBearing Wall System with Integrated Photovoltaic for Residential
Construction""; ""Racking Test Evaluation of Unitized Curtain Wall
Systems Using Glazing Tapes""; ""Seismic Evaluation of Storefront
Systems through Cyclic Racking Test""

""Seismic Evaluation of the Four-Sided Structural Sealant Glazing Curtain Wall System for Cathedral Hill Hospital Project"""Structural Systems"; ""Analytical Load and Dynamic Increase Factors for Progressive Collapse Analysis of Building Frames""; ""Blast Resistant Design Technology and Its Use in Antiterrorism Protection of Structures""; ""Natural Structural Systems and Forms""; ""Sustainable Structural Systems and Configurations for Tall Buildings""; ""Structural Engineering for Complex-Shaped Tall Buildings""; ""FEMA P-58a€?Next-Generation Performance Assessment of Buildings""

""Determination of Building Modal Parameters Using Low-Level Excitation"""Building Energy Systems""; ""Identifying the Determinants of Energy Use in Texas A&M University Campus at Kingsville""; ""Energy Efficient Method Identification for an Education Building""; ""Air-to-Air Variable Refrigerant Flow Systems""; ""Sustainable Concrete: Impacts of Existing and Emerging Materials and Technologies on the Construction Industry""; ""Predicting the Environmental Impact of Structures in Regions of High Seismic Risk""

""Camera Aided Luminance Measurement of the Luminous Surfaces of Different Light Sources""