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Collana	Solid State Phenomena ; ; v. Volume 322
Altri autori (Persone)	JohovaPetra
Soggetti	Concrete Concrete construction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- 27th Concrete Days -- Preface -- Table of Contents -- Chapter 1: Concrete and Building Composites -- Pilot Fracture Tests of Special Fine-Grained Composites -- Methodology of Controlled Crack Introduction in Cementitious Materials -- Influence of the Method of Production of Test Specimens on the Result of the Frost Resistance Test of Concrete -- Determination of a Suitable Moment for Formwork Removal from a Concrete Structure Using Rebound Hammer Test Methods -- The Analysis of the Intensity and Vibration Time on the Mechanical Properties of Hardened Concrete -- Concrete in the Environment of Agricultural Buildings -- Effects of Concrete Compositions on the Elastic Modulus -- Comparison of Methods for Crack Development State for Steel Fibre Reinforced Concrete -- Fracture Resistance of AAAS Composites with Ceramic Precursor -- Strength of AAAS Composites with Ceramic Precursor over Time -- Identification of AAAS Composites Mechanical Fracture Parameters -- Properties of Spanish Broom Fiber Reinforced Concrete -- Use of Ash after Denitrification as an Additive to Concrete Based on Alkali-

Activated Slag -- Chapter 2: Research and Designing of Structural Concrete Members -- Behavior of the Experimental Flat Slab Specimen Supported by an Elongated Column -- The Influence of Various Types of Reinforcement of the Concrete Pillars of Precast Walls with an Opening -- Experimental and Numerical Study of Reinforcement Strains in RC Ties -- Precast Dapped End - Nonlinear Analysis -- Experimental Analysis of Flat Slab Locally Supported by an Elongated Column -- The Effects of Floor Structures on the Masonry Walls of Multistorey Building -- Analysis of Zone Fire Models and their Application in Structural Fire Design -- Effect of Membrane Forces on Punching Shear Capacity of Flat Slabs.  
Experimental Verification of Slender Reinforced Concrete Columns Design -- Effect of Struts and Stirrups Inclinations on Shear Resistance -- Production of the Test Timber-UHPC Composite Bridge -- Fatigue Behaviour of GFRP Reinforced Beams -- Verification of Composite Steel and Concrete Bed Behaviour for Machine Tools -- Implementation and Testing of Short Span Footbridge System Made of UHPC -- Strengthening of Concrete Structures Using UHPC - Experimental Verification -- Evaluation of Behaviour of Plan Curved Structure Supported by Arch -- Chapter 3: Methods of Defectoscopy and Inspection of Concrete Members -- Using the Ultrasonic Method for the Defectoscopy of Failures in Reinforced Concrete Columns -- Construction-Technical Survey of the Interspace of an Industrial Chimney -- Assessment of Cores Using Electroacoustic Methods -- Keyword Index -- Author Index.

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Sommario/riassunto

Selected peer-reviewed full text papers from 27th International Conference Concrete Days 2020 Selected, peer-reviewed papers from the 27th International Conference Concrete Days 2020, December 2nd, 2020, Prague, Czech Republic.

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