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Nota di contenuto	Finite Element Analysis on the Crack Resistance of Pre stressed Recycled Concrete Beams Impregnated with MMA Solution -- Experimental Study and Numerical Simulation of Shear Performance of NC UHPC Composite Structure Bridges -- Study on the Relationship between Bending and Tensile of TRU Composites -- Study on Static Shear Performance of PUHPC NC Interface -- Experimental Study on the Effect of Water Binder Ratio on 3D Printing form of Concrete Mortar -- Mechanical Properties and Design of Shear Connectors of Steel Shell Concrete Immersed Tube -- Experimental Study on Static Characteristics of Basalt Fiber Reinforced Concrete -- The Effect of Random Pitting on Degradation of Mechanical Properties of Uniaxial Tensile Specimens -- Study of Chloride Diffusion of Recycled Concrete -- Mechanical Behaviors Analysis of PP MSC -- Experimental Study and Numerical Simulation of CA UHPC Fracture Performance -- Study on Indoor Model of Resistance Reduction Material of Concrete-Soil Contact

Surface -- Research on the Eccentric Compressive Bearing Capacity of Circular Stainless Steel Pipe Ultra High Performance Concrete (UHPC) Columns.

Sommario/riassunto

Gathering the proceedings of the 6th International Conference on Civil, Architecture and Disaster Prevention and Control (CADPC), held in Johor Baru, Malaysia, on April 25-27, 2025, jointly with the 3rd International Conference on Durability of Building and Infrastructures for Smart City (DuraBI), this book covers topics related to disaster prevention and control, such as disaster preparedness, assembled rapid disaster relief, geological hazards, earthquake-resistant buildings, mudslides, flood control and risk reduction, rocky slope, disaster prediction, prevention and control, application of Big Data in disaster rescue, and post-disaster reconstruction technology.
