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Nota di contenuto	Chapter 1. Mechanical behavior of SMA 8 modified with nano hydrotalcite -- Chapter 2. Mechanical behavior of SMA 8 modified with nano hydrotalciteRaw Material Quality and Control Measures of Ready Mixed Concrete -- Chapter 3. Influence of engine oil on the behaviour of contaminated clay -- Chapter 4. Preliminary observations of astronomical coordinates by the SDUST/NAO digital zenith tube -- Chapter 5. The Properties of Low Strength and High Fluidity Materials Based on Recycled Aggregates -- Chapter 6. Influence of Traffic Characterization Methodology on Service Life Prediction of Pavements Subjected to Overweight Traffic Operations -- Chapter 7. Determination of Landslide High Risk Areas using GA and GIS Combination in the West of Mazandaran Province -- Chapter 8. Acceleration of socio-economic growth of rural parts- Nidhal, Khatav a

	case study -- Chapter 9. Assessing the Bearing Capacity of Backfills by Stress Wave Velocity and Cone Penetration Resistance -- Chapter 10. Potential of FiredClay Brick for Use as Short Beams and Columns -- Chapter 11. Sustainable planning for provision of basic infrastructural facilities in rural areas- Majgaon village a case study -- Chapter 12. A Case Study of Slope Stability Assessment Thames River, London, Canada -- Chapter 13. The Characteristics of Recycled Micro Powder Made by Construction Waste -- Chapter 14. Simulation of rock hydraulics in rock joint by using discrete element method.
Sommario/riassunto	This book includes a collection of research and practical papers aiming with key priority for improving the infrastructural sustainability for our well-being and day-to-day lives through novel developments. The united efforts through new developments in material, design, construction, maintenance, and testing of pavements from all over the world are taken under one umbrella. Topics include issues related to civil infrastructure such as the use of construction waste, recycled aggregates, service life prediction of pavements, mechanical behavior of SMA, control measures of ready mixed concrete, determination of landslide high-risk areas, Simulation of rock hydraulics in rock joint, sustainable planning for provision of basic infrastructural facilities in rural areas. It is anticipated that this book will support decisions regarding the optimal management and maintenance of civil infrastructures to support a more resilient and sustainable environment for infrastructure users. .