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Titolo	Degradation Theory of Long Term Operated Materials and Structures / / by Grzegorz Lesiuk, José A.F.O. Correia, Halyna V. Krechkovska, Grzegorz Pekalski, Abílio M.P. de Jesus, Oleksandra Student
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Nota di contenuto	Introduction -- Material Aspects of the Degradation Theory -- Corrosion -- Case Studies -- Fatigue and Fracture Test Results -- Numerical Modeling of Steel Members and Joints.
Sommario/riassunto	This book addresses the fatigue behavior of riveted connections from ancient Portuguese metallic bridges as well as the fatigue crack propagation behavior of related materials. Some examples of the fatigue assessment of long-term operated metallic bridges are presented and discussed. The phenomena of degradation is discussed in chapter 2, devoted to the material aspects of the Degradation Theory. Applications of structural integrity assessment/ corrosion aspects are discussed in chapter 3; case studies in chapter 4 and fatigue and fracture test results on chapter 5. .