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Titolo	Reinforcement of Timber Elements in Existing Structures : State-of-the-Art Report of the RILEM TC 245-RTE / / edited by Jorge Branco, Philipp Dietsch, Thomas Tannert
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Nota di contenuto	Introduction -- Self-tapping screws as reinforcement for structural timber elements -- Glued-in rods as reinforcement for timber structural elements -- Fiber-reinforced polymers as reinforcement for timber structural elements -- Nanocomposites as reinforcement for timber structural elements -- Reinforcement of Timber Structures: Standardization towards a new section for EC 5 -- Seismic Reinforcement of Traditional Timber Structures. Reinforcement of Traditional Timber Frame Walls -- Reinforcement of Light-Frame Wood Structures -- Reinforcement of Historic Timber Roofs -- Retrofitting of traditional timber floors -- Reinforcement of Traditional Carpentry Joints.
Sommario/riassunto	By presenting the work of the RILEM Technical Committee 245-RTE, the book provides an overview of the existing techniques for the reinforcement of timber elements, joints and structures. It consists of two parts: part I examines state-of-the-art information on

reinforcement techniques, summarizes the current status of standardization, and covers STS, GiR, FRP and nanotechnology. In part II several applications of reinforcement are discussed: these include traditional structures, traditional timber frame walls, light-frame shear walls, roofs, floors, and carpentry joints. The book will benefit academics, practitioners, industry and standardization committees interested in the reinforcement of existing timber elements, joints and structures.