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Sommario/riassunto	This book highlights the latest advances, innovations, and applications in the field of masonry structures and constructions, as presented by leading international researchers at the 18th International Brick and Block Masonry Conference (IB2MaC), held in Birmingham, UK, on July 21–24, 2024. Conference topics include architecture with masonry, analysis of masonry structures, bricks and blocks, mortars, repair,

strengthening and retrofitting, conservation of historical heritage, new construction techniques, seismic engineering, durability and deterioration of materials, energy efficiency, AI, and masonry. The contributions, which were selected by means of a rigorous international peer-review process, present a wealth of exciting ideas that will open novel research directions and foster multidisciplinary collaboration among different specialists.