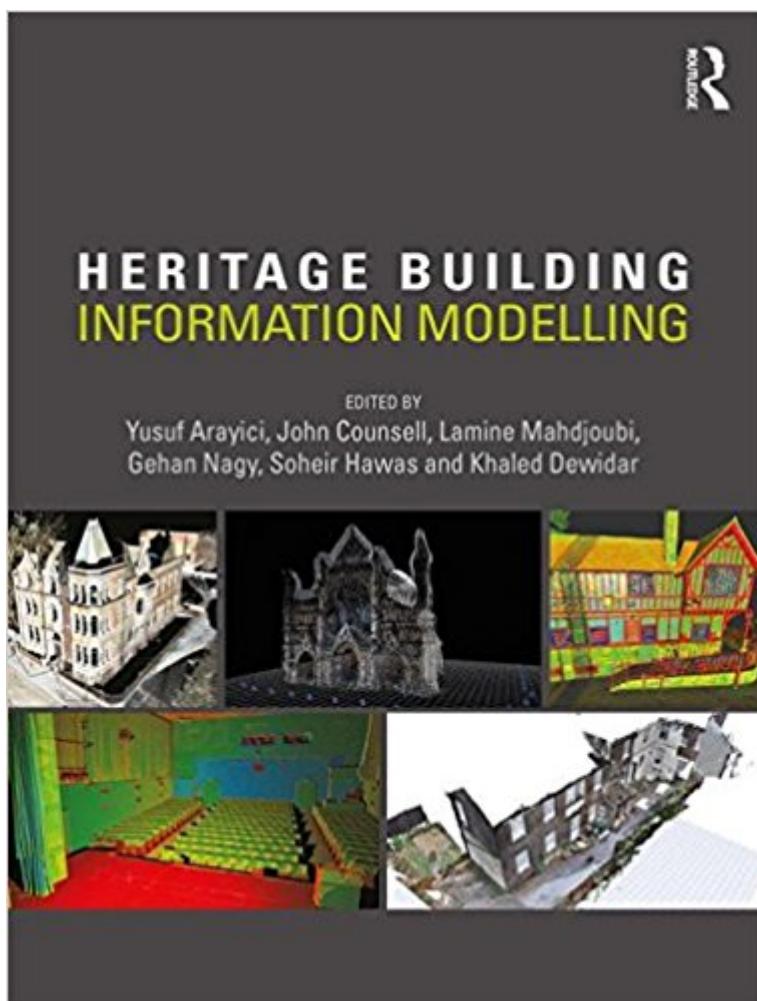


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Heritage Building Information Modelling



Synopsis

Building Information Modelling (BIM) is being debated, tested and implemented wherever you look across the built environment sector. This book is about Heritage Building Information Modelling (HBIM), which necessarily differs from the commonplace applications of BIM to new construction. Where BIM is being used, the focus is still very much on design and construction. However, its use as an operational and management tool for existing buildings, particularly heritage buildings, is lagging behind. The first of its kind, this book aims to clearly define the scope for HBIM and present cutting-edge research findings alongside international case studies, before outlining challenges for the future of HBIM research and practice. After an extensive introduction to HBIM, the core themes of the book are arranged into four parts: Restoration philosophies in practice Data capture and visualisation for maintenance and repair Building performance Stakeholder engagement This book will be a key reference for built environment practitioners, researchers, academics and students engaged in BIM, HBIM, building energy modelling, building surveying, facilities management and heritage conservation more widely.

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Customer Reviews

Yusuf Arayici is a Professor in Civil Engineering and the Dean of the Faculty of Engineering at Hasan Kalyoncu University, Gaziantep, Turkey, and his research spans from BIM and process modelling to sustainable urban regeneration and heritage modelling through research and

enterprise projects. John Counsell is an academic and head of postgraduate studies at Cardiff School of Art and Design of Cardiff Metropolitan University, Cardiff, UK. He has expertise in conservation, Heritage-BIM (HBIM), BIM, GIS, architectural technologies, building pathologies, RFID and dynamic monitoring of building performance using sensors. Lamine Mahdjoubi is Professor of ICT in the Department of Architecture and the Built Environment, UWE, Bristol, UK, where he leads the interdisciplinary Building Information Modelling Research Group. Gehan Nagy is a researcher in the Faculty of Engineering, the British University, Cairo, Egypt. Soheir Hawas is Professor of Architecture at the Department of Architecture and Urban Planning, Cairo University, Egypt. Khaled Dweidar is Professor of History and Theories of Architecture at the British University of Cairo, Egypt, and he is the Associate Dean for Teaching and Learning at the Faculty of Engineering.

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