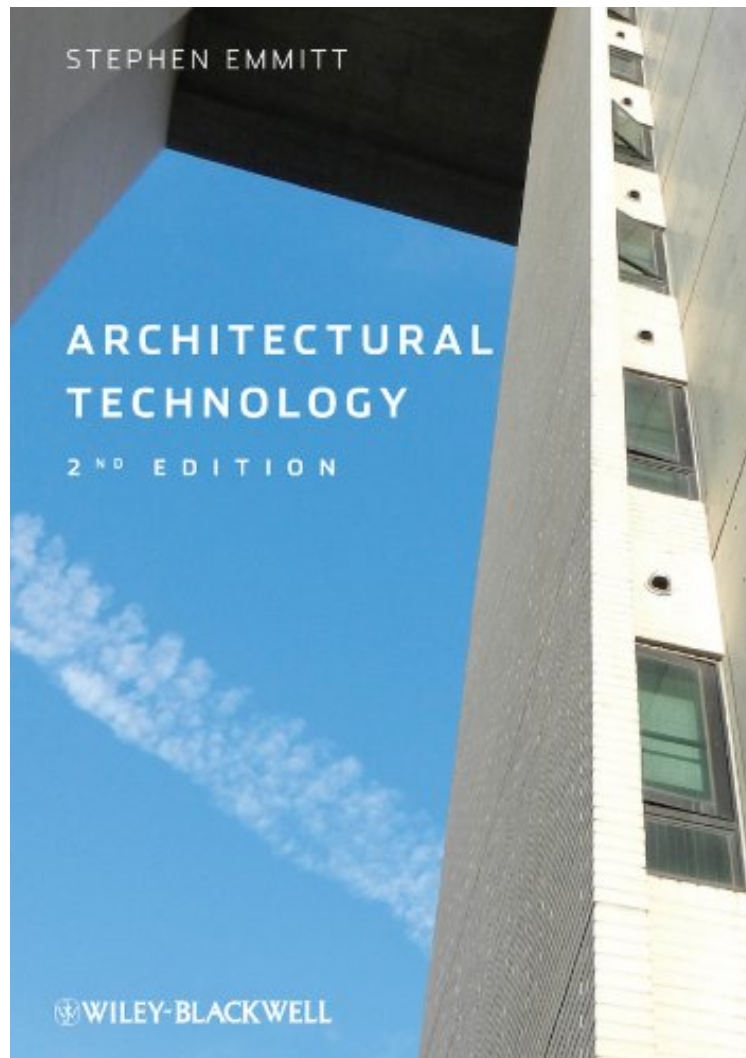


Architectural Technology

Stephen Emmitt

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Stephen Emmitt : Architectural Technology before purchasing it in order to gauge whether or not it would be worth my time, and all praised Architectural Technology:

Since the publication of the first edition of Architectural Technology, in 2002, there have been significant developments in the number of courses, the profile of the discipline as well as significant changes in the Construction sector. The Second edition of Architectural Technology addresses these challenges directly. Much greater emphasis is given to the three core themes of the book - Environmental Sustainability; Innovation; and Design. An increase in the visual material included reinforces the critical role of Design, aiding students to better translate conceptual designs into built artefacts. Building upon solid teaching practice from the previous edition, Architectural Technology is now

more concisely structured to take the reader through the whole life cycle of a building, emphasising sustainability and building performance. Material on digital information, building information modelling (BIM) and information communication technologies has been updated. Most chapters have been re-titled to emphasise the importance of design and make the book more accessible to a wider range of students. Chapters conclude with updated/more extensive links to further reading. Architectural Technology, 2nd Edition: Bridges the knowledge gap between design and construction

From the Back Cover... it gives me great pleasure to support the first ever publication to specifically address the area of research, and in particular its relationship with practice, in the discipline of architectural technology...not only ground breaking because it is the first book of its kind, but also because it provides at long last one of the accepted foundations needed to underpin the emerging academic discipline, namely a recognised research base. CIAT, in supporting this publication, is aware of the need for books such as this to sustain the process of research informed practice, as an aid for both students and those practising within the discipline of architectural technology.--Norman Wienand MCIAT, Vice President Education, Chartered Institute of Architectural Technologists Architectural technology is the realisation of architecture through the application of building science, forming the constructive link between the abstract and the physical. Architectural Technology: research and practice demonstrates the importance of research in architectural technology and aims to stimulate further research and debate by enlightening, informing and challenging readers. Chapter authors address the interplay between research and practice in the field of architectural technology, examining the influence of political, economic, social, environmental and technological issues. The focus throughout is on creating sustainable buildings that are constructed economically and function effectively and efficiently within their service life cycle. The book's mix of chapters and case studies bring together a number of different themes and provides invaluable insights into the world of research from the perspective of those working within the architectural technology field - practitioners, academics and students. The underlying message is that architectural technology is not just a profession; it is a way of thinking and a way of acting. This is highlighted by contributions from architects and architectural technologists passionate about architectural technology as a field of knowledge. Contributions range from the theoretical and polemic to the pragmatic and applied, further helping to demonstrate the richness of the field. About the Author Stephen Emmitt is Professor of Architectural Technology at Loughborough University, UK and Visiting Professor of Innovation Sciences of Holmstad University, Sweden and member of CIAT's Research Group.