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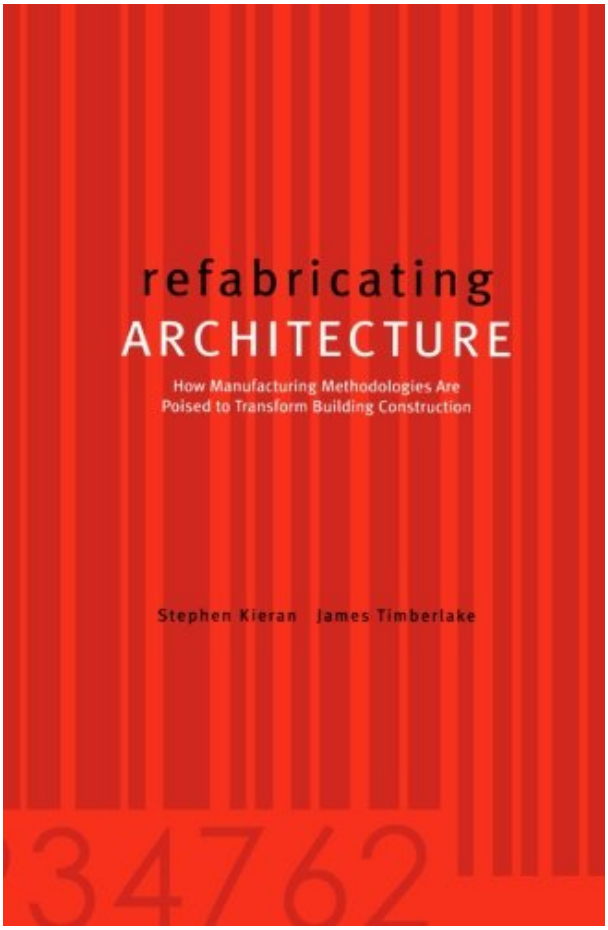


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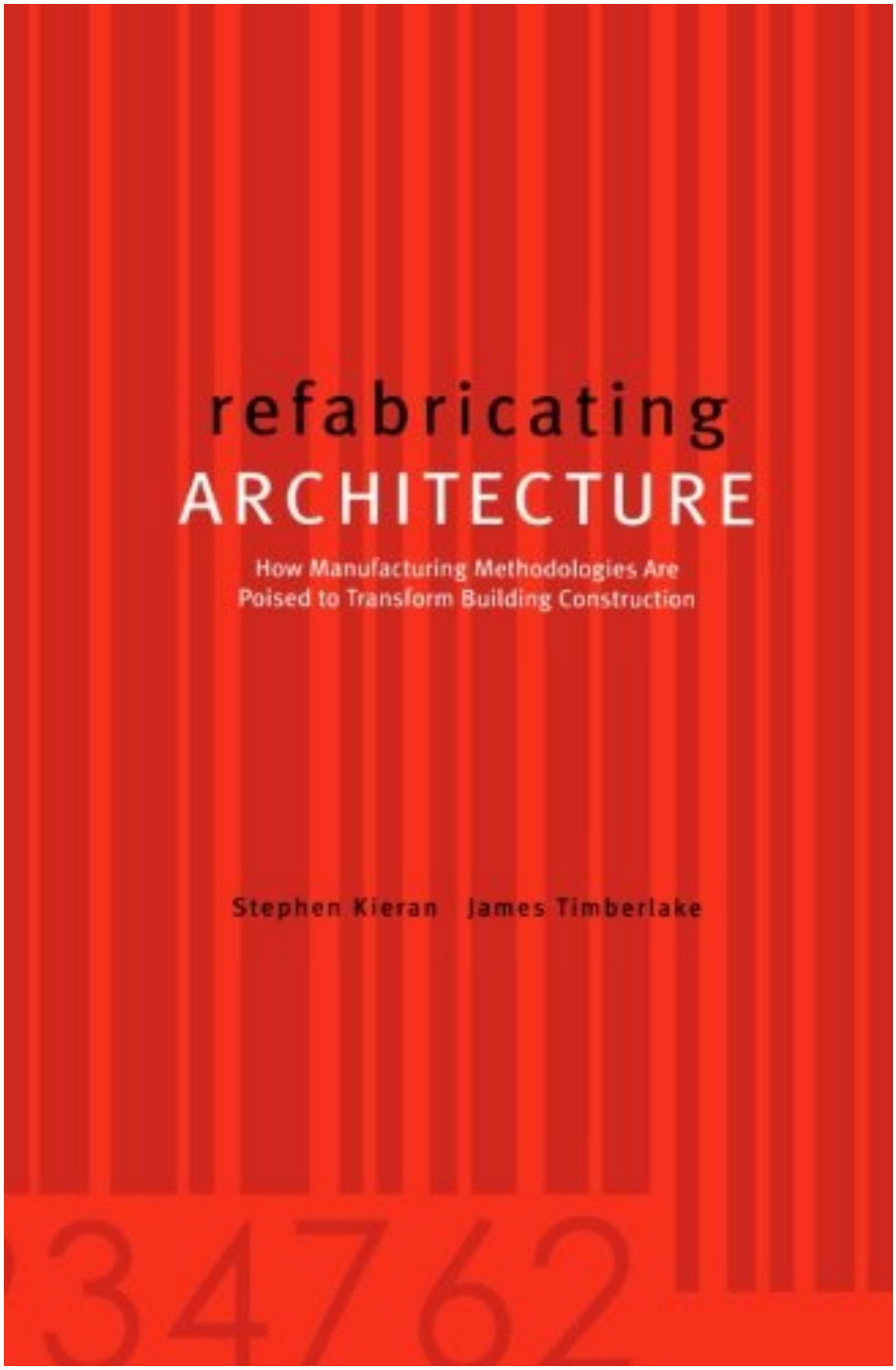

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* Packed with graphics that illustrate how and why change is needed
* Examples from the auto, shipbuilding, and aerospace industries illustrating how to improve quality while saving time and money
* Redefines the roles of architects, materials scientists, process engineers, and contractors

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Bom
By A Customer
Muito bom faz uma analise da producao industrializada na construcao civil

Vale a pena dar uma olhada , é uma referencia importante dentro da area de construcao de edificios

11 of 17 people found the following review helpful.
Looking Inside Out
By C. McSorley
The overall strength of this work is the reminder to architects to look outside their field for inspiration, investigation, and implementation. Process is approached as beyond just "design process" to physical fabrication methodologies in various industries and the architectural conclusions are drawn from a comparative perspective.

The initial theme seems to be interpreted as a mechanized approach void of craft but upon further digestion the intention is to celebrate craft in architecture, the approach the authors have taken in practice.

I applaud the efforts to take what could have been a quite cumbersome topic and distilling it in a concise and intentional way.

0 of 0 people found the following review helpful.

Concepts remain true and insightful. Enjoy it.
By DouginNC
I enjoyed the articulation of this vision for architecture, the historical underpinnings, and the projection of a different future. The authors labor over the building trade from architecture to maintenance, also addressing costs and materials. Their big-picture pondering concludes that one day we may not have to sweat the small stuff: "Through a virtual process [pre-simulated, modeled, and information-driven] the punch-list, the bane of every architect, contractor, and supplier, [can be] eliminated" (chapter 7, page 171 in this 2004 edition). They could, of course, add "customer" to the parties who abhor the punch-list.

I first found it humorous, even counter-intuitive that a widespread examination of an industry's operations would finish its penultimate paragraph measuring success by the elimination of perhaps its smallest afterthought (literally, the punch-list comes at the end). I should not be surprised, though, since from the time of the master builder "hundreds of years ago" (p.xi) we have known idiomatically that "for want of a nail the war was lost." Certainly this profession of architecture knows more than most how much the smallest details matter.

One client reference makes my short list of attention-getting passages that compelled me ever deeper through these pages for nuggets of insight:

- "The making of architecture is an act of organized chaos. This will not be a happy revelation to the buying public. If the real nature of the process were ever conveyed to the client, the architect's reward for honesty would be a lack of work. Instead, the architect places before the client a diagram of organizational structure that is a powerful marketing device to suggest that everything is under control." (chapter 3, p.53)

- "Needed here to sustain the dream of an accessible architecture is ... a new vision of process, not product. ... One lesson that engineers understand and teach, but architects neglect, is that process sets the stage for outcome." (chapter 5, p.107)

My major criticism is that the authors do not explain the information technology development that is going to make their vision possible beyond finding that (1) "The information management tools we need in order to manage our chaos have already been developed in other industries," (chapter 3, p.59) and (2) "intranets and extranets ..." can manage the process (chapter 5, p.117).

Perhaps I don't fully appreciate how cleanly the auto and airline industries' processes would transfer to the building industry. Maybe my view from being part of the software industry as it evolved over the last forty years makes me believe unreliability is all that can be relied upon. Software has consistently and repetitively shown itself problematic, and one wonders if airlines and autos have truly overcome the historical limitations of coding imperfection.

Leaving no doubt that I/T underpins their vision, chapter 3 declares, "... a fully integrated web of information tools to conceive a building and manage its design is the regulating and enabling structure, the new Modulor of this new way of making." (p.51)

The authors' vision does sound like information systems, with subroutines and interfaces:
"... large-scale problems can be most effectively solved by being taken apart a?d solved as smaller problems, each of which demands distinct responsibilities and authorities. The results are then patched together, and considerable attention is given to the seams conjoining the several solutions." (chapter 3, p.55)

Yet I believe that advances in I/T have effectively discarded simple subroutines, interfaces, and their

successor, object oriented design. Distributed network computing has emerged as the leap ahead for I/T, whether that be simply the "cloud" or the intricate complexity of artificial intelligence (AI).

I like the journey these authors allowed me to explore with them. I appreciate the look beyond their own space to find a different model. I enjoyed many fascinating insights. I just found them lacking a convincing explanation of the I/T architecture on which they categorically pin their hopes for intensely changing all manner of work that "does not thrive on rapid change." (p.105)

The book is over a decade old, but the concepts remain true and insightful. Enjoy it.

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