Software Engineering/Design

THE DESIGN OF DESIGN

FREDERICK P. BROOKS, JR.

Effective design is at the heart of everything from software development to engineering to architecture. But what do we really know about the design process? What leads to effective, elegant designs? *The Design of Design* addresses these questions.

These new essays by Fred Brooks contain extraordinary insights for designers in every discipline. Brooks pinpoints constants inherent in all design projects and uncovers processes and patterns likely to lead to excellence. Drawing on conversations with dozens of exceptional designers, as well as his own experiences in several design domains, Brooks observes that bold design decisions lead to better outcomes.

The author tracks the evolution of the design process, treats collaborative and distributed design, and illuminates what makes a truly great designer. He examines the nuts and bolts of design processes, including budget constraints of many kinds, aesthetics, design empiricism, and tools, and grounds this discussion in his own real-world examples—case studies ranging from home construction to IBM's Operating System/360. Throughout, Brooks reveals keys to success that every designer, design project manager, and design researcher should know.

FREDERICK P. BROOKS, JR., is Kenan Professor of Computer Science at the University of North Carolina at Chapel Hill. He is a recipient of the National Medal of Technology, for leading development of IBM's System/360 computer family and its Operating System/360, and the A. M. Turing Award, for his "landmark contributions to computer architecture, operating systems, and software engineering." He is the author of the best-selling book *The Mythical Man-Month: Anniversary Edition* (Addison-Wesley, 1995).

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The Design Of Design Essays From A Computer Scientist

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The Design Of Design Essays From A Computer Scientist:

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