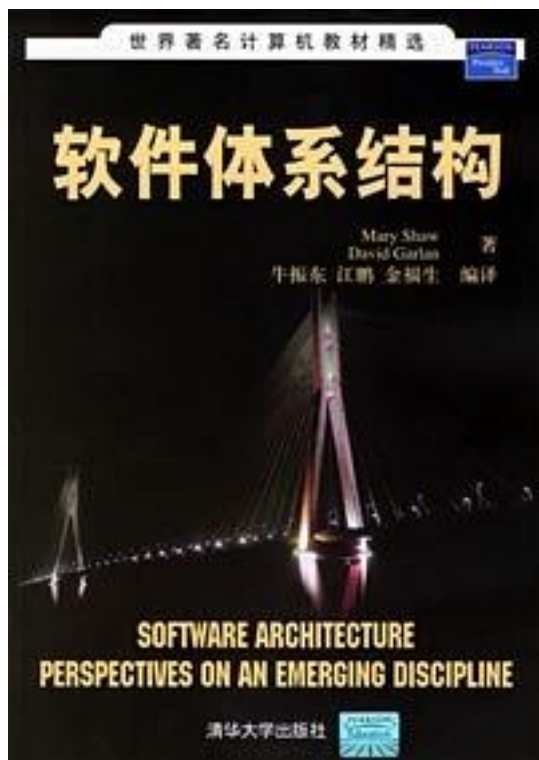


软件体系结构



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《软件体系结构(影印版)》： Software developers have often adopted specific architectural patterns for system organization—but, for the most part, informally. In this book, authors Mary Shaw and David Garlan discuss the formalization of what, until now, has been "a substantial folklore of system design, with little consistency or precision." With their unique perspective on the current state of software architecture and its impact on design, the authors provide useful information for several types of readers:

* Professional software developers will find new ideas in the discussion and evaluation of familiar patterns.

* Students will find useful techniques for approaching system organization from an architectural point of view, rather than following current fads or outmoded methodology.

* Educators will find the book helpful as a text for a software architecture course or as a supplemental text for courses in software engineering or software design. This book also includes:

- * Hints for choosing a suitable architecture.
- * The use of well-understood paradigms for designing new systems.
- * How formal notation and models can characterize system design.
- * The study of actual system architectures as models for new designs.

Mary Shaw is the Alan J. Perils Professor of Computer Science and Associate Dean for Professional Programs at Carnegie Mellon University, where she is also a member of the Human Computer Interaction Institute. From 1984 to 1987 she served as Chief Scientist of CMU's Software Engineering Institute. Dr. Shaw is a Fellow of the IEEE, ACM, and of the American Association for the Advancement of Science. In 1993 she received the Wanner prize for contributions to software engineering.

David Garlan is an assistant professor in the Department of Computer Science at Carnegie Mellon University. Before joining Carnegie Mellon's faculty in 1990, he worked in the Computer Research Laboratory of Tektronix, Inc., Oregon. He completed his Ph.D. at Carnegie Mellon University. Dr. Garlan is a Fellow of the ACM.

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评论

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书评

和一般的教科书一样，严谨但不活泼，全面但并不实用。可以看出作者的实战经验并不丰富。 它把软件体系结构进行了分类整理，分类表如下： 一、数据流系统 批处理系统 管道和过滤器 二、调用和返回系统 主程序和子程序 面向对象系统 多级多层 三、独立构件 通信过程 ...

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