

<<软件工程>>

图书基本信息

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内容概要

本书自30年前第1版问世以来，一直受到软件工程界的高度重视，对该学科的发展具有深刻影响，其权威性是公认的、无可置疑的。

它在全面而系统地介绍软件工程的有关概念、原则、方法和工具方面获得了广大读者的好评。

第7版在结构和内容上均有调整、更新和充实，更加突出软件过程，强调普遍使用的软件工程方法。

本书基于原书第7版进行改编，保留其中的基本内容，压缩或删除了一些高级内容，更加适合作为国内高校计算机、软件工程及相关专业本科生的软件工程课程教材。

本书基于原书第7版进行精简，使内容更符合普通高校本科生的课程大纲，让本科生可以在一学期内掌握软件工程的最核心基础内容：

第一部分 软件过程，介绍了说明性模型和敏捷过程模型。

第二部分 建模，介绍了现代分析与设计方法，重点放在基于uml的建模方面。

第三部分 质量管理，是第7版中新增加的内容，描述质量评审技术、软件质量保证、软件测试、软件配置管理的各个方面。

第四部分 软件项目管理，介绍与计划、管理和控制软件项目有关的主题。

作者简介

Roger S. Pressman

软件过程改善和软件工程技术方面的国际知名的权威人士。

30多年来,他作为软件工程师、管理人员、教授、作者及咨询顾问始终工作在软件工程领域。

Pressman博士著有6部著作,并撰写了很多技术文章,是多种行业期刊的固定撰稿人,曾任多种行业杂志的编委,多年来一直担任《IEEE

Software》杂志的Manager专栏的编辑。

Pressman博士是知名的演讲者,曾在许多行业会议上演讲,他还是美国计算机协会(ACM)、美国电气与电子工程师协会(IEEE)等组织的成员。

书籍目录

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章节摘录

版权页：插图：A manifesto is normally associated with an emerging political movement that attacks the old guard and suggests revolutionary change (hopefully for the better) . In some ways, that's exactly what agile development is all about. Although the underlying ideas that guide agile development have been with us for many years, it has been less than two decades since these ideas have crystallized into a "movement." In essence, agile methods were developed in an effort to overcome perceived and actual weaknesses in conventional software engineering. Agile development can provide important benefits, but it is not applicable to all projects, all products, all people, and all situations. It is also not antithetical to solid software engineering practice and can be applied as an overriding philosophy for all software work. In the modern economy, it is often difficult or impossible to predict how a computer-based system (e.g., a Web-based application) will evolve as time passes. Market conditions change rapidly, end-user needs evolve, and new competitive threats emerge without warning. In many situations, you won't be able to define requirements fully before the project begins. You must be agile enough to respond to a fluid business environment.

媒体关注与评论

Roger Pressman编写的这部翔实而全面的软件工程指南，广泛适合软件工程专业的学生及投身软件工程实践或需要参与这种实践的软件开发人员和管理人员。

——《IEEE Software》这是一本经典的现代教材，叙述清晰而又具有权威性。

本书包含大量插图、例子、习题和参考资料……如果读者心存疑问：“软件工程是什么？它现在在哪里？

”那么最好阅读这本书。

——《ACM Computing Reviews》

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编辑推荐

《软件工程:实践者的研究方法(英文精编版)(第7版)》是由机械工业出版社出版的。

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