

<<系统分析与设计简明教程>>

图书基本信息

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### 内容概要

20世纪末,以计算机和通信技术为代表的信息科学和技术对世界经济、科技、军事、教育和文化等产生了深刻影响。

信息科学技术的迅速普及和应用,带动了世界范围信息产业的蓬勃发展,为许多国家带来了丰厚的回报。

进入21世纪,尤其随着我国加入WTO,信息产业的国际竞争将更加激烈。

我国信息产业虽然在20世纪末取得了迅猛发展,但与发达国家相比,甚至与印度、爱尔兰等国家相比,还有很大差距。

国家信息化的发展速度和信息产业的国际竞争能力,最终都将取决于信息科学技术人才的质量和数量。

引进国外信息科学和技术优秀教材,在有条件的学校推动开展英语授课或双语教学,是教育部为加快培养大批高质量的信息技术人才采取的一项重要举措。

为此,教育部要求由高等教育出版社首先开展信息科学和技术教材的引进试点工作。

同时提出了两点要求,一是要高水平,二是要低价格。

在高等教育出版社和信息科学技术引进教材专家组的努力下,经过比较短的时间,第一批引进的20多种教材已经陆续出版。

这套教材出版后受到了广泛的好评,其中有不少是世界信息科学技术领域著名专家、教授的经典之作和反映信息科学技术最新进展的优秀作品,代表了目前世界信息科学技术教育的一流水平,而且价格也是最优惠的,与国内同类自编教材相当。

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书籍目录

I. FOUNDATIONS FOR SYSTEMS DEVELOPMENT. 1. The Systems Development Environment. 2. Managing the Information Systems Project. II. SYSTEMS PLANNING AND SELECTION. 3. Systems Planning and Selection. III. SYSTEMS ANALYSIS. 4. Determining System Requirements. 5. Structuring System Requirements: Process Modeling. 6. Structuring System Requirements: Conceptual Data Modeling. 7. Selecting the Best Alternative Design Strategy. IV. SYSTEMS DESIGN. 8. Designing the Human Interface. 9. Designing Databases. V. SYSTEMS IMPLEMENTATION AND OPERATION. 10. Systems Implementation and Operation. Appendix A: Object-Oriented Analysis and Design. Appendix B: Rapid Application Development and CASE Tools. References. Glossary of Acronyms. Glossary of Terms. Index.

## 章节摘录

插图：Following the data-oriented model, analysts are assigned and may report to functional departments and are able to learn more about the department they support. This approach results in better systems, because the analyst becomes an expert in both systems development and the business area. Regardless of how an organization structures its information systems department, systems development is a team effort. Systems analysts work together in a team, usually organized on a project basis. A good team has certain characteristics, as described in Table 1-2: A diverse team has representation from all the different groups interested in a system. For example, the team may consist of people from the database administration area and the group responsible for training as well as the marketing department (future system users). The representation of these groups on the team increases the likelihood of acceptance of the changes a new system will cause. Diversity exposes team members to new and different ideas, ideas they might never think of if all team members were from the same background, with the same skills and goals. Someone in the data administration area would have a different view than someone in the marketing department. These different views could add new information. New and different ideas can help a team generate better solutions to its problems. Team members must be open to new ideas without being overly critical and without dismissing new ideas out of hand simply because they are new. Team members must be able to deal with ambiguous information as well as with complexity. They must learn to play a role on a team (and different roles on different teams) so that the talents of all team members can best be utilized.

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### 媒体关注与评论

书评本套教学用书的特点：  
· 权威性——教育部高等教育司推荐，教育部高等学校信息科学与技术引进教材专家组遴选；  
· 系统性——覆盖计算机专业主干课程和非计算机专业计算机基础课程；  
· 先进性——著名计算机专家近两年的最新著作，内容体系先进；  
· 经济性——价格与国内自编教材相当，是国内引进教材价格最低的。

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高等教育出版社

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