

西门子自动化知识宝典



SIEMENS BIBLIOGRAPHY

Answers for industry.

SIEMENS



西门子是世界上最大的电气和电子公司之一，作为其工业领域重要组成部分的自动化与驱动集团是自动化和驱动领域的世界先驱和领导者。我们一贯秉承科技创新和客户为本的原则。西门子与中国的合作已逾百年历史，是中国最知名，最受爱戴和尊敬的企业公民之一。

知识是技术创新的推动者，作为技术创新的领导者，西门子一直保持工业部门和教育行业紧密联系的优良传统，致力于与教育届和出版机构的不断合作。秉承这一理念，西门子为有志从事工业自动化领域的人才收集并整理了一系列书目，涵盖西门子在该领域的核心产品，专业性与实用性并重，有“西门子自动化宝典”之称。

在此，感谢多年来诸多专家、学者为自动化相关知识传播所做出的卓越贡献；感谢为自动化知识堡垒添砖加瓦，为使自动化知识体系更加系统和完善而做出努力的所有出版界同仁。你们的劳动成果加快了自动化发展的脚步，为行业稳健发展保驾护航。西门子也将在保持以往辉煌成就的基础上，吸取教育领域中的众多优秀资源与宝贵经验，完善人才培养途径，确保建立最优秀的技术及市场团队，不断为客户提供最好的产品、系统、解决方案以及服务的同时，将最具有专业性与实用性的知识献给广大读者。

“传播知识、支持教育事业发展”是我们的责任和使命，我们将一如既往地利用我们在电气工程及电子领域的专业经验与先进技术积极为中国的教育事业贡献力量。

斐德思
西门子（中国）有限公司
工业业务领域
工业自动化与驱动技术集团
自动化系统部总经理

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西门子PLC控制技术与实践

Siemens PLC Control Technology and Practice



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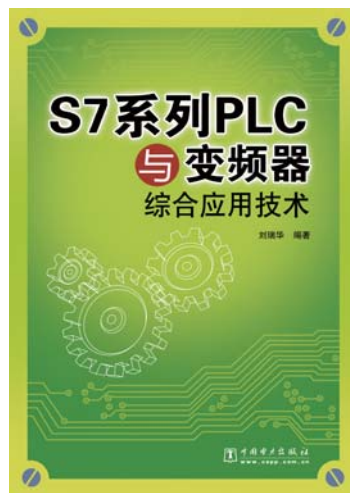
本书以西门子S7-300 PLC为主要介绍对象，全书分为五章：第一章为PLC概述，介绍PLC的起源、现状及发展；第二章为PLC的结构和工作原理；第三章为PLC编程，主要介绍了STEP 7编程技术、PLC组态技术及PLC的指令；第四章为PLC的通信和网络组态，主要介绍了MPI、PROFIBUS、工业以太网的实用通信和组网技术；第五章为PLC应用实例，以实际项目的开发为主导，介绍了利用S7-300 PLC完成的几个典型应用。

Using Siemens S7-300 PLC as the major object, this book introduces the origin and development of PLC, structure and working principles of PLC, PLC programming, configuration, instruction, communication and network configuration, and application examples.

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S7系列PLC与变频器综合应用技术

Comprehensive Application Technology of S7 PLC and Transducer



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Author: Liu Ruihua
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本书从现场应用的角度出发，介绍了西门子S7系列可编程控制器的硬件系统、编程设计；实际应用，变频器的工作原理与现场设计、应用举例以及PLC变频器的综合应用实例。本书与其他同类书籍相比，更注重于现场的实际应用，针对广大在现场服务的技术人员，针对性强。

本书是作者总结自己在现场实际工作中的经验编写而成的，偏重于现场设备的维护，是广大技术人员进行自学和设备维护比较有价值的参考书。

本书分为三篇，第一篇介绍了西门子S7系列可编程控制器的知识；第二篇介绍了变频器的基础和应用；第三篇介绍了PLC与变频器在现场的综合应用。

This book introduces hardware system and programming design of Siemens S7 PLC, actual application, working principle of transducer and so on. It pays more attention to actual application and equipment maintenance. It is a valuable reference book for self-learning of technicians.

PLC应用与编程技术

PLC Application and Programming Technology



作者：隋振有 隋凤香 编著
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 出版时间：2009-3-1

Authors: Sui Zhengyou, Sui Fengxiang
 Publisher: China Electric Power Press
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本书系统地介绍了PLC的基础知识、硬件结构、软件资源和PLC的选型安装、运行调试及维护。从实际应用出发，以S7-200为样机，探讨了其软、硬件配置和应用中的一些技术问题。以西门子推出的STEP 7-Micro WIN32为例，重点探讨了编程技术、编程技巧，为解决编写PLC应用程序提出“结合继电器工作原理展开图编制梯形图”这一有待深入讨论的课题，供读者参考。

This book introduces PLC basic knowledge, hardware structure, software resources and PLC selection and installation systematically. With Siemens STEP 7-Micro WIN32 as an example, it focuses on programming technology and techniques.

西门子PLC开发入门与典型实例

Introduction to Siemens PLC Development and Typical Examples



作者：海心 马银忠 刘树青 编著

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Authors: Hai Xin, Ma Yinzong, Liu Shuqing

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本书以德国西门子公司的S7系列可编程控制器（PLC）为蓝本，由浅入深、循序渐进地介绍了PLC应用开发电气基础、PLC应用硬件基础、PLC应用软件基础、PLC应用实例等相关知识。

Based on Siemens S7 PLC, this book progressively introduces PLC application development of electric basics, PLC hardware application basics, PLC software application basics, PLC application examples, etc.

西门子S7-200/300/400 PLC基础与应用技术

Siemens S7-200/300/400 PLC Basics and Application Technology



作者：孙承志 徐智 张家海 等编著

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Authors: Sun Chengzhi, Xu Zhi, Zhang Jiahai, etc

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Publication Date: 2009-1-1

本书主要介绍西门子S7-200 300 400 PLC的基础知识与应用技术。介绍了西门子PLC的软硬件组成、模块和编程指令。在IEC61131-3指令系统框架下，将西门子S7-200 300 400指令系统进行了统一，大部分指令的用法都结合了常用的典型应用实例。

This book mainly introduces Siemens S7-200 300 400 PLC basic knowledge and application technique, and Siemens PLC hardware and software components, modules and programming instruction.

可编程序控制器技术与应用（西门子系列）实验与实训 Technology and Application of PLC (Siemens) Experiments and Practice



作者/编者：常辉 编著
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Author/Editor: Chang Hui
Editor: Cheng Zhou, editor
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Publication Date: 2009-1

根据中等职业学校“可编程序控制器技术与应用”课程的大纲要求，本书以西门子S7-200 PLC为背景，从应用的角度，详实、系统地介绍了可编程序控制器技术及应用实验与实训的内容。

Based on Siemens S7-200 PLC, this book systematically introduces experiments and practice of technology and application of PLC in details, from a practical aspect.

S7 300/400入门与进阶 Introduction and Advanced Study of S7 300/400



作者：王仁祥 王小曼 编著
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Publication Date: 2009

《S7300/400入门与进阶》是一本专门介绍西门子SIMATIC S7-300/400 PLC应用技术的基础书籍，针对工业现场工程技术人员实际工程项目应用，介绍SIMATIC S7-300/400 PLC应用技术。《S7300/400入门与进阶》可供从事电气工程自动化、生产过程自动化、工业网络控制技术各领域的工程技术人员阅读或作为培训教材，亦可作为高等学校电气工程及相关专业的教材和教学参考书，高职、中职等院校相关专业也可选用。

This book is an introduction to SIMATIC S7-300/400 PLC application technology. It can be used as reading or training materials for technicians in fields like electric engineering automation, production process automation and industrial network control, as well as reference book for colleges, tertiary and secondary vocational schools.

图解西门子LOGO!应用技术

Illustrated Siemens LOGO! Application Technology



作者: 陈浩 编著
 出版单位: 中国电力出版社
 书号: 9787508374727
 价格: ¥ 39.80
 出版日期: 2008-11-1

Author: Chen Hao
 Publisher: China Electric Power Press
 Book Number: 9787508374727
 Price: ¥ 39.80
 Publication Date: 2008-11-1

本书用图例讲解的方式介绍了LOGO!可编程控制模块的指令、应用技术及相关电气基础知识,包括LOGO!及常用电气控制元器件的结构及其应用实例。本书内容丰富,书中的图片大多都取材于实际系统设备,实例给出的软件就是可直接使用的用户控制软件。

This book introduces the LOGO! Programmable control module's instructions, application technology and basic knowledge related to electrics, including the LOGO! and commonly used structure of electrical control components and application examples.

可编程序控制器技术与应用 (西门子系列)

PLC Technology and Application (Siemens Series)



作者: 常辉 编著
 丛书主编: 程周 主编
 出版单位: 电子工业出版社
 书号: 9787121073588
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 Publication Date: 2008-10-1

《可编程序控制器技术与应用》主要以西门子S7-200 PLC为对象,以S7-200 PLC的应用技术为重点。全书共分6章,主要内容有PLC基础知识,包括PLC的特点、应用以及PLC的组成和工作原理;S7-200 PLC基本结构及编程软件的使用;PLC的内部资源和常用指令的使用及应用实例;PLC的功能指令及应用;PLC的顺序控制设计方法以及PLC应用系统的设计和实例。每章后均配有相应的习题供学习时使用。

With Siemens S7-200 PLC as object and application technology of S7-200 as technical focus, this book is divided into 6 parts. It provides basic knowledge of PLC including PLC features, application and components and working principles; S7-200 PLC basic structures and usage of programming software; PLC internal resources and common instruction and examples; PLC functional instruction and application; PLC sequence control design method and PLC application system design and examples. Exercises are provided at the end of each chapter.

S7-300/400 PLC原理与实用开发指南

S7-300/400 PLC Theory and Practical Development Guide



作者：任双艳 边春元 孙亦红 等编著

出版单位：机械工业出版社

书号：9787111248712

价格：¥ 36.00

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Authors: Ren Shuangyan,

Bian Chunyuan, Chun Yihong, etc

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Publication Date: 2008-10-1

《S7-300/400 PLC原理与实用开发指南》共分8章，全面系统地介绍了S7-300/400 PLC的软硬件知识及其应用。《S7-300/400 PLC原理与实用开发指南》首先介绍PLC的基本原理，然后重点对S7-300/400 PLC的硬件、指令系统、编程环境、编程方法、程序结构、通信网络等方面作了较为系统、深入的介绍。

This book consists of 8 chapters, introducing S7-300/400 PLC hardware and software knowledge and application in an all-around way. First, it introduces basic principles of PLC; then focuses on hardware, instruction system, programming environment, programming method, program structure and communication network of S7-300/400 PLC.

以产品设计为核心的品牌战略

Brand Strategies Focusing on Product Design



作者：杨明洁 编著

出版单位：北京理工大学出版社

书号：9787564017682

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Author: Yang Mingjie

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Publication Date: 2008-10-1

全书共分九章，每个章节分别讲述了一至三个设计案例，大多为作者亲自设计或参与项目，包括富士通—西门子、法国Gdium笔记本电脑、西门子手机与XELIBRI手机、宝马与保时捷的品牌衍生产品、F1品牌大中华区授权产品、瑞典绝对伏特加等著名品牌的产品。

The book is divided into nine chapters, and each chapter explains 1-3 design cases, most of which the author has designed or participated in personally. The cases include many famous brands, such as Fujitsu Siemens, French Gdium Notebooks, Siemens mobile phones and XELIBRI mobile phones, brand derivatives of BMW and Porsche, F1 franchised products of Greater China region, Sweden Absolut Vodka and so on.

西门子PLC 200/300/400应用程序设计实例精讲

Siemens PLC 200/300/400 Application Program Design Examples



作者：马丁 编著
 出版单位：电子工业出版社
 书号：9787121068133
 价格：¥ 65.00
 出版日期：2008-10-1

Author: Ma Ding
 Publisher: Publishing House of Electronics Industry
 Book Number: 9787121068133
 Price: ¥ 65.00
 Publication Date: 2008-10-1

本书针对目前最流行的西门子PLC系列，通过典型实例的形式，详细介绍了PLC应用程序设计的方法与技巧。全书分两大部分，共33章，第一部分重点介绍PLC基础知识，包括PLC硬件结构与工作原理、PLC的编程基础、S7-200/300指令系统详解。第二部分包括六篇，重点通过多个应用程序设计实例，详细介绍PLC各种开发技术和使用技巧，主要内容和专题领域涉及网络通信、网络控制、机电控制、电气控制、现场总线、设备与数据控制。

The book is made up of two parts and 33 chapters. The first part focuses on PLC basics, including PLC hardware structure and theories, PLC programming basics, and S7-200/300 instruction system. The second part includes six chapters, introducing PLC development techniques and skills, covering network communication, network control, mechanic electric control, electric control, Profibus, equipment and data control. The examples are very representative, applicable and popular.

西门子S7-300/400 PLC应用技术

Engineering Application of Siemens S7-300/400 PLC



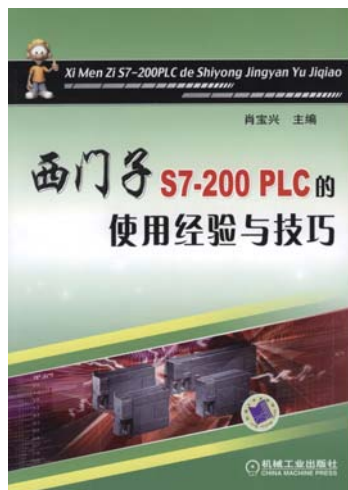
作者：胡健 主编
 出版单位：北京航空航天大学出版社
 书号：9787811244151
 价格：¥ 28.00
 出版日期：2008-9-1

Author: Hu Jian, editor
 Publisher: BUAA Press
 Book Number: 9787811244151
 Price: ¥ 28.00
 Publication Date: 2008-9-1

《西门子S7-300/400 PLC工程应用》以S7-300/400为样机，以SIMATIC STEP 7 Professional 2006 SR4软件为平台，从工程应用出发，以典型项目案例为媒介，将PLC的相关知识融入项目之中，力争通过一系列项目的学习与训练，使学员逐步掌握S7-300/400 PLC硬件系统配置及硬件调试，STEP 7软件的应用及仿真，PLC程序结构、LAD语言程序设计及系统调试，顺序功能图的结构、S7 Graph语言编程、顺序功能图的设计及调试，PROFIBUS DP网络组态及网络调试的方法和技巧，并具备可编程控制器程序设计员（师）所要求的基本能力。

Using S7-300/400 as the prototype and SIMATIC STEP 7 Professional 2006 SR4 software as a platform, this book integrates PLC knowledge with projects through typical examples from the aspect of engineer application. It strives to help students master S7-300/400 PLC hardware system configuration and hardware debugging, STEP 7 software applications and simulation, PLC program structure, LAD programming language and system debugging, the structure of sequence function chart, S7 Graph programming language, design and debugging of sequence function chart, PROFIBUS DP network configuration and network methods and techniques for debugging and acquire competencies of PLC program designer.

西门子S7-200 PLC的使用经验与技巧 Siemens S7-200 PLC Using Experience and Tips



作者：肖宝兴 主编
 出版单位：机械工业出版社
 书号：9787111250036
 价格：¥ 35.00
 出版日期：2008-9-1

Author: Xiao Baoxing, editor
 Publisher: China Machine Press
 Book Number: 9787111250036
 Price: ¥ 35.00
 Publication Date: 2008-9-1

《西门子S7-200 PLC的使用经验与技巧》从工程应用的角度出发，以西门子公司的S7-200 PLC为样机，突出应用性和实践性，重点介绍了S7-200 PLC的硬件结构、工作原理、指令系统、工程应用、程序编制和调试等。通过大量有针对性的工程实例，讲解了PLC控制系统设计时的设计思想、工作步骤、指令运用等，以及一些特殊功能指令的使用方法。

From an engineering application point of view this book focuses on the S7-200 PLC's hardware structure, working principle, command systems, engineering applications, programming and debugging, using Siemens S7-200 PLC for the prototype and highlighting the application and practice. The book explains the design ideas, work steps, application of instruction and some special function instruction of PLC control system through a large number of projects.

西门子系列变频器及其工程应用 Siemens Transducer and Engineering Application



作者：孟晓芳 李策 等编著
 出版单位：机械工业出版社
 书号：978-7-111-24328-1
 价格：¥ 36元
 出版日期：2008-8-1

Authors: Meng Xiaofang, Li Ce, etc
 Publisher: China Machine Press
 Book Number: 978-7-111-24328-1
 Price: ¥ 36
 Publication Date: 2008-8-1

本书从实际应用的角度出发，详细地介绍了变频调速的基本理论知识、变频器的选择以及西门子几种变频器和实际应用。全书共分10章，包括绪论、变频器的原理与控制方式、变频器的选择、变频器控制原理图、MicroMaster4 (MM4) 系列变频器、SIMOVERT MASTERDRIVES工程型变频器、SINAMICS系列变频器、变频器的应用、变频器的测量与实验以及变频器的安装、接线、日常维护和检修。

From the aspect of practical application, this book introduces basic theoretical knowledge of frequency control, choice of transducer and application of several types of Siemens transducer. The book consists of 10 chapters, including introduction, theory and control mode of transducer, choice of transducer, control theory chart, MicroMaster4 (MM4) series of transducer, SIMOVERT MASTERDRIVES engineering transducer, SINAMICS transducer, application of transducer, measurement, installation, connection, routine maintenance and overhauling of transducer.

西门子S7-200系列PLC自学手册

Self Learning Handbook for Siemens S7-200 PLC



作者：陈忠平 周少华 侯玉宝
李锐敏 编著
出版单位：人民邮电出版社
书号：9787115181411
价格：¥ 36.00
出版日期：2008-8

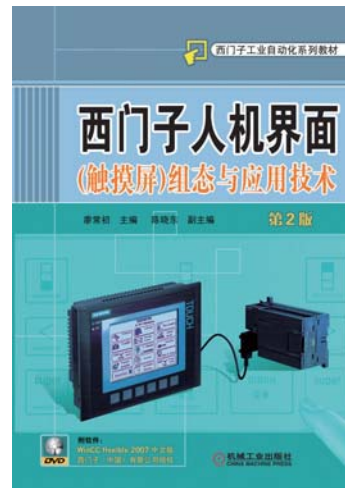
Authors: Chen Zhongping,
Zhou Shaohua, Hou Yubao, Li Ruimin
Publisher: Posts and Telecom Press
Book Number: 9787115181411
Price: ¥ 36.00
Publication Date: 2008-8

本书从实际工程应用出发，以国内广泛使用的德国西门子S7-200系列PLC为对象，讲解PLC的基础与实际应用等方面的内容。本书分为基础篇和实践篇。其中基础篇以西门子公司的S7-200系列为例，介绍了PLC的结构配置、工作原理、指令系统、编程方法等内容；并在此基础上介绍了PLC控制系统的设计原则、设计步骤、硬件设计、软件设计等。实践篇以工程实践为主线，通过实例和相关源程序介绍了PLC在电动机基本控制电路中的应用、利用PLC改造传统机床、PLC小系统的设计和PLC在工程中的设计与应用等内容。

From a practical application perspective, the book adopts the widely used Siemens S7-200 series PLC as object, and explains PLC basics and application. The book is divided into basic knowledge part and practice part. The basic part takes Siemens S7-200 series as an example and introduces the structure of the PLC configuration, working principle, instruction set, programming methods, etc.; and based on this also introduces the PLC control system design principles, design steps, hardware design, software design. Practice part takes engineering practice as the main line, introduces basic application of PLC in motor control circuit, reformation of traditional machine by PLC, PLC small system design and PLC in engineering design and application through examples and relative source programs.

西门子人机界面（触摸屏）组态与应用技术（第2版）

Siemens Human-Machine Interface (Touch Panel) Configuration and Application Technology (2nd Edition)



作者：廖常初 主编
出版单位：机械工业出版社
书号：9787111198963
价格：¥ 40.00
出版日期：2008-6-1

Author: Liao Changchu, editor
Publisher: China Machine Press
Book Number: 9787111198963
Price: ¥ 40.00
Publication Date: 2008-6-1

本书介绍了人机界面与触摸屏的工作原理和应用技术，通过大量的实例，深入浅出地介绍了使用组态软件WinCC flexible对西门子的人机界面进行组态和模拟调试的方法，包括对变量、画面、动画、报警、用户管理、数据记录、趋势图、配方、报表、运行脚本、以太网通信的组态方法，以及文本显示器TD200的使用方法。

This book introduces theories and application technology of HMI and Touch panel. Through plenty of examples, this book introduces methods of configuration and simulation testing Siemens HMI by using configuration software WinCC flexible, including configuration methods of variables, pictures, animation, alarms, user management, data record, tendency chart, formula, report forms, run script and Ethernet communication, as well as usage of Text display TD200.

例说西门子PLC S7-200

Explanation of PLC S7-200 with Examples



作者：李晓宁 编著

出版单位：人民邮电出版社

书号：9787115178473

价格：¥ 29.00

出版日期：2008-6-1

Author: Li Xiaoning

Publisher: Posts and Telecom Press

Book Number: 9787115178473

Price: ¥ 29.00

Publication Date: 2008-6-1

本书通过多个实例向读者介绍了业界普遍使用的西门子S7-200可编程逻辑控制器（PLC），详细介绍了PLC基础知识、S7-200硬件结构和软件基本操作方法、基本输入/输出控制及应用、定时器和计数器及其应用、基本程序设计、顺序控制及其应用、功能指令及其应用和综合设计等内容。

This book introduces to readers the industry's widely used Siemens S7-200 programmable logic controller (PLC) through plenty of examples and explains basic knowledge of PLC, S7-200 hardware structure and basic operation of software, the basic input/output control and applications, timers and counters and their applications, basic programming, sequence control and its application, function and application of instruction and integrated design, etc.

西门子工业网络交换机应用指南

Siemens Industrial Network Switch Application Guide



作者：赵欣 主编

出版单位：机械工业出版社

书号：9787111242116

价格：¥ 53.00

出版日期：2008-6-1

Author: Zhao Xin, editor

Publisher: China Machine Press

Book Number: 9787111242116

Price: ¥ 53.00

Publication Date: 2008-6-1

本书概述了西门子公司工业网络的各种形式和结构；详细介绍了西门子公司工业以太网交换机的技术参数、设计规范、参考选型及各种通信方式的组态、编程和故障诊断方法；以无线工业以太网模块为主，详述了西门子公司基于无线以太网通信的产品和解决方案；描述了西门子公司基于GPRS和其他远程通信的解决方案；结合工业现场的实际应用，给出了不同行业应用的解决方案。

This book provides an overview of forms and structures of Siemens industrial network; detailed information on the technical parameters, design specifications, reference selection and a variety of means of communication, configuration, programming and fault diagnosis method of Siemens Industrial Ethernet switches; Siemens wireless Ethernet communication products and solutions, mainly about Ethernet module in the wireless industry; description of solutions based on Siemens GPRS and other remote communication as well as solutions of various industries with combination of actual application of the industrial site.

深入浅出PLC技术及应用设计

Easy Book on PLC Technology and Application Design in a Simple Way



作者：郭丙君 黄旭峰 编著

出版单位：中国电力出版社

书号：9787508367576

价格：¥ 36

出版时间：2008-6-1

Authors: Guo Bingjun, Huang Xufeng

Publisher: China Electric Power Press

Book Number: 9787508367576

Price: ¥ 36

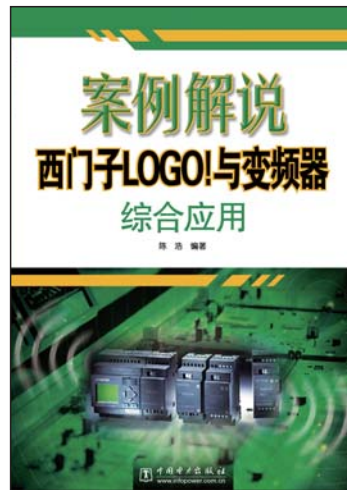
Publication Date: 2008-6-1

本书系统介绍了PLC的工作原理、特点与硬件结构，并以新型有代表性系列PLC为例介绍其编程元件与指令系统，以及程序设计、调试等内容。本书内容共分八章，包括PLC控制系统的基本知识、硬件系统配置、指令系统、编程工具、通信与网络、软件设计与应用系统设计、PLC的应用实例和系统设计实训。

This book introduces PLC working principles, features and hardware structure systematically and with the new and typical PLC as an example, it explains the instruction system, program design and so on. The content includes basic knowledge of PLC control system, hardware system configuration, instruction system, programming tools, communication and networks, software design and application system design, PLC application examples and system design exercises.

案例解说西门子LOGO!与变频器综合应用

Comprehensive Application of Siemens LOGO! and Transducer with Examples



作者：陈浩 编著

出版单位：中国电力出版社

书号：9787508366487

价格：¥ 28.00

出版日期：2008-5-1

Author: Chen Hao

Publisher: China Electric Power Press

Book Number: 9787508366487

Price: ¥ 28.00

Publication Date: 2008-5-1

本书从实际应用的角度介绍了可编程序控制模块LOGO! (即微型PLC+人机界面) 及变频器的应用技术，全书共分为5章，主要包括基础篇（微型可编程序控制器和变频器原理）和应用篇（实际应用案例）。基础篇主要讲解LOGO!及变频器的基本理论知识；应用篇主要是用案例来讲解LOGO!及变频器的应用，其中的案例全部取材于实际工程项目，十分具体，方便读者简化学习过程，理解LOGO!及变频器技术，快速掌握LOGO!及变频器的应用设计技巧。

This book introduces PLC module LOGO! (i.e. micro PLC+HMI) and application technology of transducer from the perspective of practical application. The book is divided into 5 chapters, including basic knowledge part (principles of micro PLC and transducer) and practice part (cases of actual application). The basic knowledge part mainly explains basic theories of LOGO! and transducer and the practice part mainly explains application of LOGO! and transducer through cases. All of the cases are concrete and from actual projects, which will provide convenience for readers to understand LOGO! and transducer technology and grasp application and design skills of LOGO! and transducer.

西门子S7 300/400 PLC编程 (语句表和结构化控制语言描述第3版)

Program Script Table and Structured Control Language Description for Siemens S7-300/400 PLC (3rd Edition)



作者: (德) (Berger H.) 伯杰 编著
译者: 张同庄
出版单位: 人民邮电出版社
书号: 9787115175373
价格: ¥ 79.00
出版日期: 2008-4-1

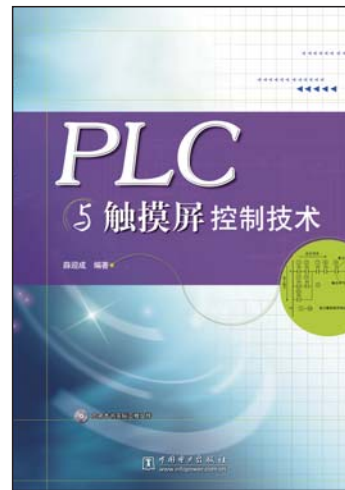
Author: (German) Berger, H.
Translator: Zhang Tongzhuang
Publisher: Posts and Telecom Press
Book Number: 9787115175373
Price: ¥ 79.00
Publication Date: 2008-4-1

西门子的S7-300/400是应用最广的大中型PLC之一。本书从S7-300/400的介绍、基本功能、数字功能、程序流控制以及程序处理等几个方面详细阐述了S7-300/400的STL和SCL编程语言及其使用方法, 主要内容包括系统概述(SIMATIC S7和CTEP 7)、编程语言STL和SCL、数据类型、二进制和数字STL操作、程序流控制、程序的执行、STL间接寻址、SCL语句、SCL标准功能及S5/S7转换器。

Siemens S7-300/400 is one of the most widely of large and medium-sized PLC. This book introduces S7-300/400 from aspects of its basic function, digital function, process flow control and program processing. It elaborates STL and SCL programming language and its use of S7-300/400. The main content includes the introduction of the system (SIMATIC S7 and CTEP 7), programming languages STL and SCL, data types, binary and digital STL operations, flow procedures control, program implementation, STL indirect addressing, SCL statement, SCL standard feature and S5/S7 browser.

PLC与触摸屏控制技术

Control Technology of PLC and Touch Panel



作者: 薛迎成 编著
出版单位: 中国电力出版社
书号: 9787508361291
价格: ¥ 32
出版时间: 2008-2

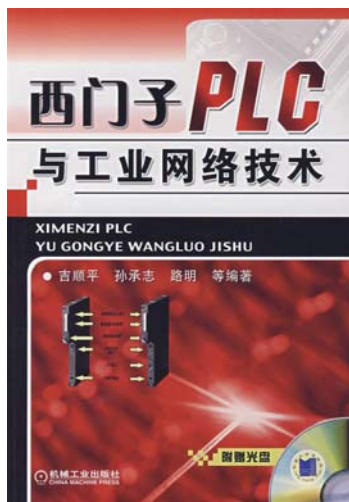
Author: Xue Yingcheng
Publisher: China Electric Power Press
Book Number: 9787508361291
Price: ¥ 32
Publication Date: 2008-2

本书主要介绍了市场上应用广泛的西门子、欧姆龙、三菱PLC和人机界面(触摸屏)的工作原理和应用技术。通过大量工程实例的详解, 深入浅出地介绍了人机界面与PLC进行组态和模拟调试的方法, 以及西门子S7-300、三菱QPLC和西门子TP270、三菱G1175触摸屏在涂装生产线控制系统中的应用, 欧姆龙PLC和触摸屏在污水处理系统中的应用, 欧姆龙c系列PLC和GP人机界面在热处理生产线控制系统中的应用。

This book introduces the working principles and application technologies of commonly used Siemens, Omron and Mitsubishi PLC and HMI (Touch panel). With plenty of examples, it explains HMI and PLC configuration and application in production line systems. Readers can do model experiments so as to grasp methods to configure HMI and PLC faster.

西门子PLC与工业网络技术

Siemens PLC and Industrial Network Technology



作者：吉顺平 等编著
 出版单位：机械工业出版社
 书号：9787111233558
 价格：¥ 39.00
 出版日期：2008-2-1

Author: Ji Shunping, etc
 Publisher: China Machine Press
 Book Number: 9787111233558
 Price: ¥ 39.00
 Publication Date: 2008-2-1

本书主要介绍西门子S7-200/300/400 PLC和工业网络的基础知识与应用技术。在IEC61131-3指令系统框架下，讲解了西门子S7-200/300/400的指令系统。本书还通过实例介绍了程序编写的一般结构和方法，例子具有应用价值。同时，还包括西门子工业网络（包括PPI、MPI、PROFIBUS和PROFINET）、WinCC、PID、OPC、MM440变频器和步进电动机的内容。

This book introduces the Siemens S7-200/300/400 PLC and basic knowledge of industrial network technology and application. Under the IEC61131-3 instruction framework, it explains Siemens system S7-200/300/400 instruction systems. The book also introduces the general structure and methods of programming through valuable examples. At the same time, it also includes the Siemens Industrial Networks (including PPI, MPI, PROFIBUS and PROFINET), WinCC, PID, OPC, MM440 transducer and the contents of stepper motors.

西门子S7-200工程应用实例分析

Siemens S7-200 Engineer Application Examples Analysis



作者：程玉华 编著
 出版单位：电子工业出版社
 书号：9787121055539
 价格：¥ 34.00
 出版日期：2008-1-1

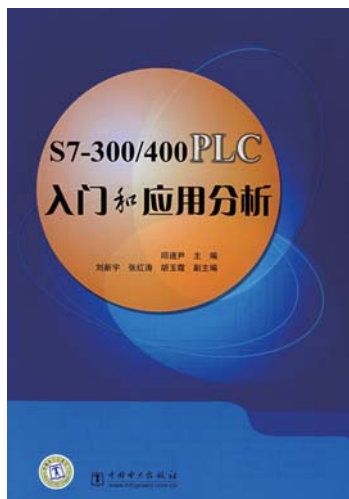
Author: Cheng Yuhua
 Publisher: Publishing House of Electronics Industry
 Book Number: 9787121055539
 Price: ¥ 34.00
 Publication Date: 2008-1-1

全书共12章。第1、2章为PLC的基础知识及工程应用知识，第3~12章为10个工程综合应用实例（多关节机械手控制系统、交流双速电梯控制系统、水轮机调速系统、板材切割控制系统、烟支装盘机控制系统、模块式空调机控制系统、桥式起重机控制系统、城市供水系统、污水处理系统、浇模型冰淇淋生产线）。

A book consists 12 chapters. Chapters 1 and 2 are for the basic knowledge of PLC and engineering application knowledge. Chapters 3-12 are 10 engineering application examples (multi-joint robot control system, the exchange of two-speed elevator control system, turbine governing system, control system for sheet metal cutting, cigarette tray loader control systems, modular air-conditioning control systems, bridge crane control system, urban water supply systems, sewage treatment system, pouring ice-cream production line).

S7-300/400 PLC入门和应用分析

Introduction and Application Analysis of S7-300/400



作者：邱道尹 主编
 出版单位：中国电力出版社
 书号：9787508361253
 价格：¥ 38
 出版时间：2008-1-1

Author: Qiu Daoyin, editor
 Publisher: China Electric Power Press
 Book Number: 9787508361253
 Price: ¥ 38
 Publication Date: 2008-1-1

本书是以应用广泛的西门子公司的S7-300/400系列PLC为对象编写的，全书共9章，分三个部分。第一部分为电器控制部分，包括第1、2章，主要介绍常用低压控制电器和电器控制线路。第二部分为编程设计基础，包括第3~6章，主要讲述可编程控制器基础、S7-300/400 PLC系统配置、指令系统和S7软件的编程环境。第7~9章为第三部分，主要介绍用户程序结构、网络通信和具体的应用实例。

This book is about Siemens S7-300/400 PLC. The introduction of electric control is benefit for learner to become a master of PLC programming, which integrates PLC controller and electric control technology. It has very detailed dictation system explanation, so the reader can easily master application of dictation. Besides, there are lots of application examples.

西门子S7-300/400 PLC编程 — 梯形图和功能块图描述 (第3版)

Siemens S7-300/400 PLC Program—Description of Ladder Diagram and Function Chart (3rd Edition)



作者：(德) 伯杰 编著
 译者：张同庄 郝继飞 方荣惠 等
 出版单位：人民邮电出版社
 书号：9787115168535
 价格：¥ 79.00
 出版日期：2007-11-23

Author: (G) Hans Berger.
 Translators: Zhang Tongzhuang,
 Hao Jifei, Fang Ronghui, etc.
 Publisher: Posts and Telecom Press
 Book Number: 9787115168535
 Price: ¥ 79.00
 Publication Date: 2007-11-23

西门子的S7-300/400是应用最广的大中型PLC之一。本书从S7-300/400的基本功能、数字功能、程序流控制以及程序处理四个方面详细介绍了S7-300/400的LAD和FBD编程语言及其使用方法，并详细说明了如何用LAD和FBD控制程序执行过程（程序流）和设计结构化程序。本书注重实际、强调应用，可供广大自动化工程技术人员使用，也可以作为STEP 7培训教材和大专院校有关专业的参考教材。

S7-300/400 is one of the most widely used large and medium PLC. From the four aspect of S7-300/400—basic function, digital function, program flow control and program processing, this book gives a detailed description of LAD and FBD programming language and the operation method, and expounds on how to use LAD and FBD to control program execution (program flow) and design of structured program. This book is practical and applicable, which can be a reference book to the automation engineers. It can also be a good STEP 7 training material and relative reference material for those major relatively in the college.

可编程控制器应用技术 (西门子S7-200系列) PLC Application Technology (S7-200)



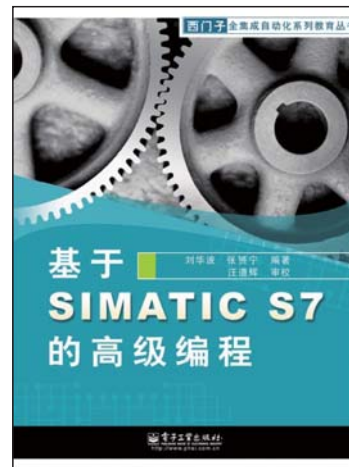
作者: 何献忠 等编著
 出版单位: 清华大学出版社
 书号: 9787302156109
 价格: ¥ 25.00
 出版日期: 2007-11-1

Author: He Xianzhong, etc
 Publisher: Tsinghua University Press
 Book Number: 9787302156109
 Price: ¥ 25.00
 Publication Date: 2007-11-1

本书从工程实际和教学需要出发,介绍了PLC的种类、特点及基础知识。以Siemens S7-200系列可编程控制器(PLC)为背景,系统介绍了PLC的原理、指令系统、网络通信技术、系统设计方法以及PLC结合最新的工业组态软件的控制应用。

From an engineering application and teaching requirement point of view this book tells of the types, features and basic information of PLC. On the background of Siemens S7-200 PLC, it systematically introduces plc principle, instruction system, net communication technology, system design method and the application of newest industrial configuration software combined with PLC.

基于SIMATIC S7的高级编程 Advanced Programming Based on SIMATIC S7



作者: 刘华波 编著
 出版单位: 电子工业出版社
 书号: 978-7-121-05021-3
 价格: ¥ 38.00
 出版日期: 2007-10

Author: Liu Huabo
 Publisher: Publishing House of Electronics Industry
 Book Number: 978-7-121-05021-3
 Price: ¥ 38.00
 Publication Date: 2007-10

本书以西门子SIMATIC S7-300/400可编程序控制器为例,首先介绍了STEP 7的基本功能,用户程序中的块和结构,特别是组织块及其应用;接着讲述了SIMATIC中的各种数据类型和程序库的相关内容,并介绍基于状态位的指令、累加器指令、实数指令、间接寻址和地址寄存器指令等SIMATIC高级编程指令。重点讲述了顺序功能图语言S7 Graph、图形编程语言S7 HiGraph、结构化控制语言S7 SCL和连续功能图S7 CFC等四种编程语言的使用方法,并提供一些实例供读者学习参考。本书技术针对性强,注重应用,强调实践,通过对本书的学习使读者能够举一反三。

This book first tells of the basic functions of STEP 7 by examples of SIMATIC S7-300/400. Then it focuses on the application of four programming languages, which are S7 Graph, S7 HiGraph, S7 SCL and S7 CFC. Besides, it gives some examples which can be good reference.

西门子自动化系统实战S7和PCS7应用实例

Application of Siemens S7 and PCS7



作者: (德) 西门子公司
译者: 张怀勇 等
出版单位: 人民邮电出版社
书号: 9787115164728
价格: ¥ 39.00
出版时间: 2007-10-1

Author: (G) Siemens
Translator: Zhang Huaiyong, etc.
Publisher: Posts and Telecom Press
Book Number: 9787115164728
Price: ¥ 39.00
Publication Date: 2007-10-1

本书以SIMATIC控制系统为例,讲述了控制理论的实际应用问题,在工程师均已熟知的控制理论与自动化工程的实际需求之间建立起一座桥梁。本书提供了实用的信息、经验方法、实用“处方”和来自实践的例子来指导工程师的工作。虽然本书以SIMATIC控制器为例进行阐述,但是其理论依据和控制思想同样适用于所有使用其他控制器的控制系统。

This book tells about the application of control system, with the example of SIMATIC control system. It establishes a bridge between the well-known control theory and the actual demand of automation project. Besides, it provides the engineers with the practical information, experience, and the examples from practice, which can conduct the engineers' work.

集散控制系统原理及其应用

Distributed Control System Principle and Application



作者: 赵众 冯晓东 孙康 等编著
出版单位: 电子工业出版社
书号: 978-7-121-04906-4
价格: ¥ 36.00
出版日期: 2007-9

Authors: Zhaozhong, Feng Xiaodong, Sun Kang, etc
Publisher: Publishing House of Electronics Industry
Book Number: 978-7-121-04906-4
Price: ¥ 36.00
Publication Date: 2007-9

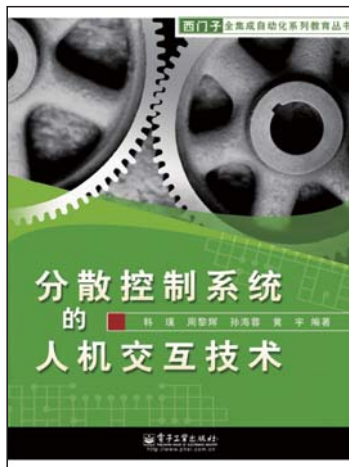
本书从理论和实际工程应用出发,介绍了集散控制系统的基本原理及其在工业生产过程中的具体应用实例。主要涉及集散控制系统的现状和发展趋势、系统体系结构、硬件和软件结构、采用的控制算法、系统中采用的网络体系架构和现场总线技术、系统的选型和评估、集散控制系统的工程设计和实际应用的可靠性设计等。本书对于了解集散控制系统的原理、设计选型、应用操作具有一定的应用价值。

本书可作为自动控制专业的本科生和研究生教材,也可以作为从事集散控制系统开发的科技人员和系统工程设计人员的参考书

Setting out at theory and engineering application, this book presents the basic principle of distributed control system and their application examples in the industry production. This book is of value to understand the principle, design option, application operation of the distributed control system.

分散控制系统的人机交互技术

Human-Machine Interaction of Distributed Control System



作者: 韩璞 等编著
 出版单位: 电子工业出版社
 书号: 978-7-121-04738-1
 价格: ¥ 28.00
 出版日期: 2007-9

Authors: Han Pu, etc
 Publisher: Publishing House of
 Electronics Industry
 Book Number: 978-7-121-04738-1
 Price: ¥ 28.00
 Publication Date: 2007-9

本书从人机交互的概念及基本要求入手, 结合工程实际, 针对大型工业系统, 从人机工程技术、软件技术、数据管理技术、Web技术等多个方面, 全面地介绍了人机交互技术的基本原理和实现方法。同时结合当前先进的分散控制系统实例, 具体地介绍了人机交互中的关键技术和具体的实现及其应用方法。

本书理论联系实际, 体系完整, 深入浅出。书中的许多素材来自作者所积累的实践经验, 具有很强的可读性和实用价值。本书可作为从事相关领域的技术人员、研究人员及软件开发者的一本有价值的参考书。

Beginning at human-Machine interaction's concept and basic demand, this book tells of the basic principle and realization of human-Machine interaction. Besides, it also gives a detailed description about the key technology and detailed realization and application by combining advanced distributed control system.

现场总线PROFINET

PROFINET



作者: 刘国海 等编著
 出版单位: 电子工业出版社
 书号: 978-7-121-04835-7
 价格: ¥ 28.00
 出版日期: 2007-9

Authors: Liu Guohai, etc
 Publisher: Publishing House of
 Electronics Industry
 Book Number: 978-7-121-04835-7
 Price: ¥ 28.00
 Publication Date: 2007-9

本书从现场总线技术的基本概念讲起, 介绍了现场总线的结构、分类、标准和通信网络接口, 在此基础上全面分析了PROFIBUS和PROFINET总线的构成、技术要点、协议规范、通信接口、系统集成和系统设计方法, 并给出这两种现场总线的应用实例。

本书可作为高等院校电气信息类专业教材, 也可供有关工程技术人员参考。

Beginning at the basic concept of PROFINET, this book tells of fieldbus's structure, types, standard and network interface. Then it gives a detailed and overall analysis of PROFIBUS and PROFINET as well as the application of these two Fieldbus.

PLC、变频器、触摸屏综合应用实训

Application of PLC, Inverter, Touch Panel



作者：阮友德 主编
 出版单位：中国电力出版社
 书号：9787508380940
 价格：¥ 38
 出版时间：2009-1

Author: Ruan Youde, editor
 Publisher: China Electric Power Press
 Book Number: 9787508380940
 Price: ¥ 38
 Publication Date: 2009-1

本书是一本理论与实训一体化的教材，集理论知识、技术应用、工程设计和创新于一体，以31个实训课题贯穿始终，内容涵盖了PLC的组成、工作原理、编程工具、指令系统、特殊功能模块，变频器及其操作，PLC与变频器的综合应用，触摸屏及其调试软件，PLC、变频器、触摸屏的通信及其工程应用。

This book covers PLC's formation, work principle, programming tools, dictation system, special function module, inverter and operation, integrated application of PLC and inverter, etc. It can be the training materials and the reference books for the engineers.

变频器操作实训（森兰、西门子）

Practice of Inverter Operation



作者：施利春 李伟 主编
 出版单位：机械工业出版社
 书号：9787111221166
 价格：¥ 13.00
 出版日期：2007-9-1

Authors: Shi Lichun, Liwei, editors in chief
 Publisher: China Machine Press
 Book Number: 9787111221166
 Price: ¥ 13.00
 Publication Date: 2007-9-1

本书依据机电类专业高技能型人才的培养要求，依据高职教育的教学要求和办学特点，突破传统学科教育对学生技术应用能力培养的局限，以模块构建实训教学体系，以项目任务驱动教学内容，介绍了变频器选型、设计、安装与调试。主要包括：变频器基础知识、森兰变频器基本控制电路、西门子变频器基本控制电路三个模块。

It tells of the selection, design, installation and debugging of inverter. The main content includes three modules, the basic information, Shankland inverter basic control circuit, Siemens inverter basic control circuit. Every module has numerous items.

从入门到精通 — 西门子S7-300/400 PLC技术与应用

From Introduction to Mastery — Siemens S7-300/400 PLC Technology and Application



作者：张运刚 宋小春 郭武强 编著
 出版单位：人民邮电出版社
 书号：7115164487
 价格：¥ 56.00
 出版日期：2007-8-1

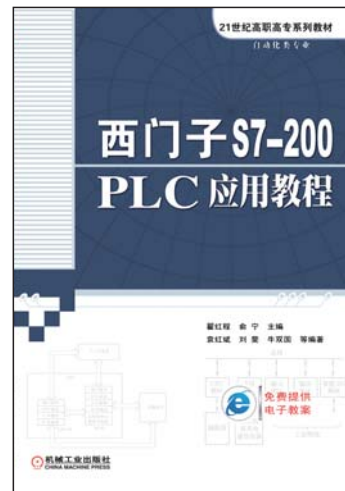
Authors: Zhang Yungang,
 Song Xiaochun, Guo Wuqiang
 Publisher: Posts and Telecom Press
 Book Number: 7115159548
 Price: ¥ 56.00
 Publication Date: 2007-8-1

本书以西门子S7-300/400 PLC为例，简要说明了S7-300/400 PLC的基本概念及编程软件的安装和使用，详细介绍了S7-300/400 PLC硬件和面板操作、内部资源、梯形图和指令表指令，以实例形式讲解S7-300/400 PLC的编程及调试，同时也详细地介绍S7-300/400 PLC的通信网络知识。

Taking S7-300/400 PLC as an example, this book explains the basic concept of S7-300/400 PLC and the installation and usage of the program software. Besides, it gives a vivid description of its hardware, panel operation, interior resources, ladder diagram and instruction sheet. It also explains the programming and debugging of S7-300/400 PLC and its communications network information.

西门子S7-200 PLC应用教程

A Course to S7-200 PLC Application



作者：翟红程 俞宁 主编
 出版单位：机械工业出版社
 书号：978711219484
 价格：¥ 19.00
 出版日期：2007-8-1

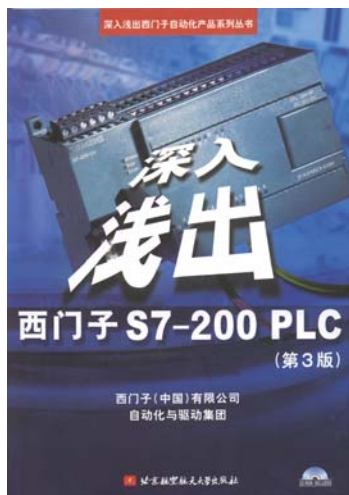
Authors: Cui Hongcheng, Yu Ning,
 editors in chief
 Publisher: China Machine Press
 Book Number: 978711219484
 Price: ¥ 19.00
 Publication Date: 2007-8-1

本书以PLC应用为主要目的，系统阐述了S7-200 PLC的结构、工作原理、硬件组态配置、指令系统、编程规则、工业网络及PLC通信组态等内容，并结合具体工程实例，对工程上常用PLC控制系统的设计思想、设计步骤、设计方法及调试维护等进行了详尽的讲述。

With the aim of PLC application, this book expounds on S7-200 PLC structure, working principle, hardware configuration, instruction system, programming rules, industrial network and PLC communication configuration, combined with the concrete engineering examples.

深入浅出西门子S7-200 PLC (第3版)

Easy Book on Siemens S7-200 PLC (3rd Edition)



作者：西门子（中国）有限公司自动化驱动集团
 出版单位：北京航空航天大学出版社
 书号：9787811241150
 价格：¥ 29.00
 出版日期：2007-7-1

Author: SLC I IA&DT
 Publisher: BUAA Press
 Book Number: 9787811241150
 Price: ¥ 29.00
 Publication Date: 2007-7-1

本书主要介绍西门子公司小型可编程序控制器S7-200 PLC的软件和硬件功能，以实用、易用为主线，涉及S7-200 PLC的方方面面；同时编者也将多年的宝贵使用经验贯穿内容始终，使读者能够有所借鉴。

This book is mainly about the software and hardware features of Siemens S7-200 PLC. It talks about every aspect of S7-200 PLC in a practical and useful way. Besides, the author also adds many-years' precious experience of using it, which can be used for reference by the readers.

西门子自动化系统入门 (第3版)

Introduction to Siemens Automation System (3rd Edition)



作者：(德) 伯杰 编著
 译者：闫志强 等
 出版单位：人民邮电出版社
 书号：7115161771
 价格：¥ 39.00
 出版日期：2007-7-1

Author: (G) Berger edited
 Translator: Yan Zhiqiang, etc
 Publisher: Posts and Telecom Press
 Book Number: 7115161771
 Price: ¥ 39.00
 Publication Date: 2007-7-1

本书围绕SIMATIC自动化系统体系结构与操作方法进行了广泛全面的介绍，内容全面、结构清晰、讲解深入浅出，重点突出，有助于读者从宏观角度理解SIMATIC自动化系统的结构与原理，并对设备选型、系统构建、编程调试等内容建立清晰的概念。

This book gives an overall description of SIMATIC automation system structure and operation method with sound structure, simplified explanation, highlighted emphases, which will help the readers understand structure and principle of SIMATIC automation system better. It also sets up the clear concepts of the contents such as equipment type selection, system establishment, program debugging, etc.

数控宏程序编程方法、技巧与实例

NC Macro Programming Method, Technology and Application



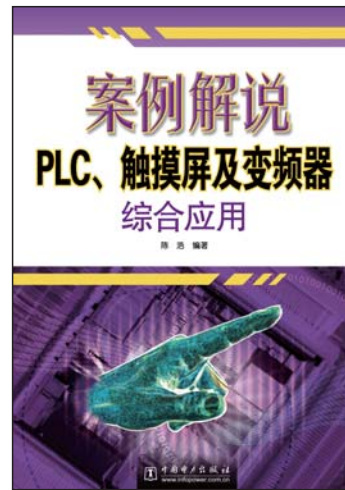
作者：冯志刚 编著
 出版单位：机械工业出版社
 书号：9787111215141
 价格：¥ 38.00
 出版日期：2007-7-1
 Author: Feng Zhigang
 Publisher: China Machine Press
 Book Number: 9787111215141
 Price: ¥ 38.00
 Publication Date: 2007-7-1

本书围绕当前常见的HNC-21/22M华中世纪星、西门子802D和FANUC Oi三种数控系统的宏程序编程设计展开。全书共分4章，第1章介绍HNC-21/22M华中世纪星、西门子802D和FANUC Oi三种数控系统的用户宏程序基础理论知识及宏指令调用格式和特点；第2章介绍在数控车床上进行典型零件和非圆曲线零件的宏程序编程技巧和编程实例；第3章介绍在数控铣床和加工中心上进行典型零件和非圆曲线零件的宏程序编程技巧和大量的编程实例；第4章详细讲述了实例零件的工艺分析和程序设计。

This book analyzes NC program design of three HNC system: HNC-21/22M, Siemens 802D and FANUC Oi. It is especially suitable for the high-skilled numerical control talent and also a reference for the engineers in the numerical control industry or NC programmer.

案例解说PLC、触摸屏及变频器综合应用

Application of PLC, Touch Panel and Inverter



作者：陈浩 编著
 出版单位：中国电力出版社
 书号：9787508353951
 价格：¥ 38.00
 出版日期：2007-7-1
 Author: Chen Hao
 Publisher: China Electric Power Press
 Book Number: 9787508353951
 Price: ¥ 38.00
 Publication Date: 2007-7-1

第1~4章是基础篇，讲述了PLC、触摸屏、变频器的原理及应用基础，对传统电气设备及控制也进行了一定的介绍，并与PLC、触摸屏控制进行了比较。第5~8章是案例应用篇，主要根据编者的经验，从适合初学者应用的角度出发，用实际案例讲述了PLC、触摸屏及变频器的综合应用。

This book can be the reference for the engineering involving in industry automation, electrical & mechanical integration and relative major. It can also be a good study reference book for the students major in automation, electrical& mechanical integration and machine design and manufacture.

从入门到精通 — 西门子S7-200 PLC技术与应用

From Introduction to Mastery — Siemens S7-200 PLC Technology and Application



作者：张运刚 宋小春 郭武强 编著
 出版单位：人民邮电出版社
 书号：7115159548
 价格：¥ 40.00
 出版日期：2007-6-1

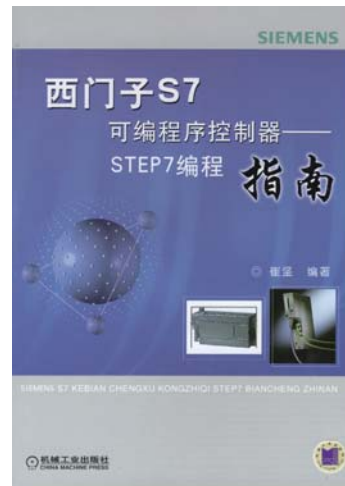
Authors: Zhang Yungang,
 Song Xiaochun, Guo Wuqiang
 Publisher: Posts and Telecom Press
 Book Number: 7115159548
 Price: ¥ 40.00
 Publication Date: 2007-6-1

本书以西门子S7-300/400 PLC为例，简要说明了S7-300/400 PLC的基本概念及编程软件的安装和使用，详细介绍了S7-300/400 PLC硬件和面板操作、内部资源、梯形图和指令表指令，以实例形式讲解S7-300/400 PLC的编程及调试，同时也详细地介绍S7-300/400 PLC的通信网络知识。书中各部分内容都是使用实例进行讲解，并辅以大量的图表，通俗易懂，初学者可以快速入门。

Taking S7-300/400 PLC as an example, this book explains the basic concept of S7-300/400 PLC and the installation and usage of the program software. Besides, it gives a vivid description of its hardware, panel operation, interior resources, ladder diagram and instruction sheet. It also explains the programming and debugging of S7-300/400 PLC and its communications network.

西门子S7可编程序控制器 — STEP 7编程指南

Guide to S7 PLC-STEP 7 Programming



作者：崔坚 编著
 出版单位：机械工业出版社
 书号：9787111212072
 价格：¥ 49.00
 出版日期：2007-6-1

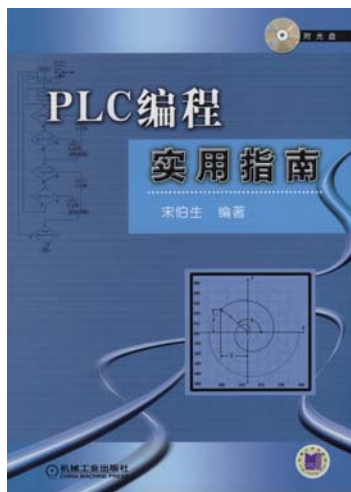
Author: Cui Jian
 Publisher: China Machine Press
 Book Number: 9787111212072
 Price: ¥ 49.00
 Publication Date: 2007-6-1

STEP 7是西门子公司主流S7-300/400系列可编程序控制器的编程软件，使用STEP 7可以对C7、WINAC以及ET200智能分布式I/O站进行编程。本书简单地介绍了西门子公司S7-300/400系列PLC硬件系统和CPU程序处理的方法，以大量的篇幅介绍了从项目的创建、编程、站点间通信到调试，以及如何完成一个完整的控制任务的实现过程，并以示例的方式介绍了每种基本编程指令的使用，便于读者对指令集的理解。

This book talks about S7-300/400 PLC hardware system and the ways of CPU program processing. It presents the readers the establishment of a program, programming, inter-site communication and debugging. Besides, it also tells of the realization of a complete control assignment, and the usage of every basic programming instruction, which can help the readers to understand instruction set.

PLC编程实用指南

A Guide to PLC Programming



作者：宋伯生 主编
 出版单位：机械工业出版社
 书号：9787111192978
 价格：¥ 68.00
 出版日期：2007-6-1

Author: Song Bosheng, editor
 Publisher: China Machine Press
 Book Number: 9787111192978
 Price: ¥ 68.00
 Publication Date: 2007-6-1

本书突破单一PLC品牌的壁垒，围绕PLC用于顺序控制、过程控制、运动控制、信息处理及远程控制5大主题，对OMRON、西门子及三菱等多个品牌PLC及其功能作了分析，并以这5大主题的应用程序设计为实例，系统介绍了PLC应用程序设计的理论、算法及其实现技巧。本书内容完整、概念清晰、算法实用、独创求新、涉及面广、信息量大、是PLC编程的实用指南。

This book has broken through the barrier of singularity of PLC brand and focuses on the five themes-PLC in the sequence control, process control, motion control, information processing, and remote control. It analyzes PLC of many corporations such as OMRON, Siemens, and Mitsubishi.

西门子S7-300 PLC应用技术

Application Technology of S7-300 PLC



作者：秦益霖 主编
 出版单位：电子工业出版社
 书号：9787121041624
 价格：¥ 26.00
 出版日期：2007-4-1

Author: Qin Yilin, editor
 Publisher: Publishing House of Electronics Industry
 Book Number: 9787121041624
 Price: ¥ 26.00
 Publication Date: 2007-4-1

本书主要以西门子S7-300 PLC为对象，以S7-300 PLC的应用技术为重点。淡化原理，注重实用，以项目、案例为线索进行内容的编排。本书适合大专、本科、研究生作为教材或参考书，是高校教师进行项目教学的理想配套教材，是广大工程技术人员自学西门子S7-300 PLC的良师益友。

This book is focused on the application technique of S7-300 PLC. The feature is that it attaches importance on the application technique of PLC. It put emphasis on the application rather than theory. The content is arranged by the items and cases.

西门子PROFIBUS工业通信指南（第2版）

Guide to Siemens PROFIBUS Industry Communication (2nd Edition)



作者：(德) 韦格曼 (德) 基利恩 编著
译者：闫志强 等
出版单位：人民邮电出版社
书号：9787115158307
价格：¥ 45.00
出版日期：2007-4-1

Authors: (G) Wiegmann, Killeen.
Translator: Yan Zhiqiang, etc.
Publisher: Posts and Telecom Press
Book Number: 9787115158307
Price: ¥ 45.00
Publication Date: 2007-4-1

本书围绕PROFIBUS DP/DPV1，对相关内容进行全面深入的介绍，涉及PROFIBUS协议体系、总线拓扑、总线访问控制、DP总线设备类型、DP通信原理和不同的通信类型、编程与组态、用户程序接口（包括中断和功能调用）、诊断功能、安装与调试等，并运用实例对如何组态DP系统以及如何使用DP进行数据通信等重要内容进行了详细的讲解。

This book is focused on PROFIBUS DP/DPV1 and gives overall and in-depth introduction of them, which involves PROFIBUS protocol system, bus topology, bus access control, DP bus equipment types, DP communication principle and different communication types, programming and configuration, user program interface (including interrupt and function call), diagnosis function, installation and debugging, etc. It also gives a detailed explanation about the configuration of DP system and how to use data communication by the examples.

This book will be beneficial for the Fieldbus designers, programmer, and people in charge of installation and debugging. It is also a good introduction reading materials for the learners and the teaching materials for the teachers and students in the college.

西门子S7-200系列PLC应用与开发

S7-200 PLC Application and Development



作者：戴仙金 主编
出版单位：中国水利水电出版社
书号：9787508443539
价格：¥ 32.00
出版日期：2007-4-1

Author: Dai Xianjin, editor
Publisher: China Water Power Press
Book Number: 9787508443539
Price: ¥ 32.00
Publication Date: 2007-4-1

本书从工程应用的角度出发，以德国西门子公司的S7-200系列PLC为起点，在简单介绍了可编程控制器（PLC）的基本知识的基础上，进一步以大量的设计实例来重点介绍PLC控制系统的应用与开发。

全书总共有16个综合应用例子，以及十几个单一指令的简单应用，内容包括PLC在电气控制系统中的应用与开发；PLC在机电设备中的应用与开发；PLC在工业生产中的应用与开发；PLC在日常生活控制系统中的应用与开发以及PLC在网络通信方面的应用与开发。

From an engineering application point of view this book focuses on presenting the application and development of PLC control system by lots of design examples, based on the brief introduction to PLC basic information.

This book has 16 examples of comprehensive application and dozens of simple application of single instruction. Its contents include PLC application and development in electrical control, electromechanical equipment, industry production, daily life control system and net communication.

西门子S7-300 PLC应用教程

Application Course for S7-300 PLC



作者：胡健 主编
 出版单位：机械工业出版社
 书号：9787111208167
 价格：¥ 29.00
 出版时间：2007-3-1

Author: Hu Jian, editor
 Publisher: China Machine Press
 Book Number: 9787111208167
 Price: ¥ 29.00
 Publication Date: 2007-3-1

西门子S7-300系列PLC，是国内应用范围最为广泛，市场占有率最高的可编程程序控制器产品。本书系统阐述了S7-300系列PLC的工作原理、硬件结构、指令系统和STEP 7 V5.3专业软件包的使用方法。本书从工程实际出发，列举了大量应用实例，分类介绍了各种结构的程序设计方法，以及基于S7 GRAPH语言的顺序功能图设计方法。最后还介绍了基于西门子PLC通信网络的相关知识，并结合了STEP 7详细介绍了MPI多点接口通信网络和PROFIBUS DP总线网络的组态及通信程序的编写方法。

S7-300 PLC is the most widely used PLC product which occupies the largest market in China. This book explains the working principle, hardware structure, and instruction system of S7-300 PLC and the using method of STEP 7 V5.3. This book lists lots of application examples for the practical purposes. It tells of every structure programming and sequential function graph design based on S7 GRAPH. At last, it tells of the relative information based on Siemens PLC, and explains in detail the compilation of MPI and PROFIBUS DP's configuration and communication procedure combined with STEP 7.

电机控制与可编程技术(西门子)

(高等职业技术学院电气自动化技术专业)

Motor Control and Programmable Technology



作者：傅大梅 刘利 编著
 出版单位：中国劳动保障出版社
 书号：9787504566157
 价格：¥ 19.00
 出版日期：2007-1-1

Authors: Fu Damei, Liu Li
 Publisher: China Labour and Social Security Publishing House
 Book Number: 9787504566157
 Price: ¥ 19.00
 Publication Date: 2007-1-1

主要内容包括直流电机的性能特点、使用场合，直流电机的启动、制动、调速方法；三相异步电动机的性能特点和使用场合；常用低压电器的功能、结构、原理、选用、安装方法；三相异步电动机基本控制线路的组成、工作原理及安装、调试方法；电气控制线路图的设计、绘制、识读方法；控制电机的基本结构、控制方法；西门子公司小型可编程控制器S7-200的软硬件功能、工作原理、指令系统、梯形图设计方法和编程软件的使用方法；PLC在电机控制中的应用；PLC在其他设备控制中的应用；PLC的通信网络和通信程序的使用方法等。

This books includes dc motor's feature and applied occasion, dc motor's startup, braking, and speed control; three-phase asynchronous motor's feature and applied occasion; the function, structure, principle and installation of common low voltage electrical apparatus; the buildup, principle and installation of basic control circuit of three-phase asynchronous motor; the design, protract, read of electric control circuit diagram; the basic structure of control motor, etc.

西门子TDC编程及应用指南

Guide to SIMATIC TDC Programming and Application



作者：鲍伯祥 陆章杰 王世宁 编著
 出版单位：北京航空航天大学出版社
 书号：9787810779173
 价格：¥ 48.00
 出版日期：2007-1-1

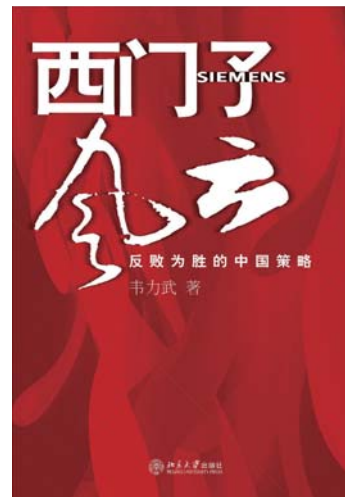
Authors: Bao Boxiang, Lu Zhangjie, Wang Shijie
 Publisher: BUAA Press
 Book Number: 9787810779173
 Price: ¥ 48.00
 Publication Date: 2007-1-1

SIMATIC TDC作为西门子控制器家族最高端的产品（SIMADYN D的新一代产品）在有着广泛的应用。本书是第一本全面而系统地阐述TDC应用的中文书籍，分为系统简介、硬件系统、基本编程、通讯编程、高级编程、系统诊断及应用介绍等章节，根据使用的顺序和阶段对原理和编程方法分别加以详细讲解，并在附录中对常见问题和一些重要概念作了详细阐述。

As the cutting edge product (the newest generation product of SIMADYN D), SIMATIC TDC has been widely applied at home and abroad. This book is the first Chinese book explaining the application of TDC in an overall and systematical way. The chapters include introduction to the system, hardware system, basic programming, communication programming, advanced programming, system diagnosis, and introduction to the application, etc. It expounds the principle and programming methods according to the using order and stages. Besides, expatiation of the common problems and important concepts is in the appendix.

西门子风云（反败为胜的中国策略）

Drastic Changes of Siemens (Turn-the-tables Strategy in China)



作者：韦力武 编著
 出版单位：北京大学出版社
 书号：9787301113509
 价格：¥ 35.00
 出版日期：2007-1-1

Author: Wei Liwu
 Publisher: Peking University Press
 Book Number: 9787301113509
 Price: ¥ 35.00
 Publication Date: 2007-1-1

西门子是世界上最大的电气和电子公司之一。然而从10年前携带巨额资金来到中国，到后来在逆境中痛苦地挣扎，再到大刀阔斧地整改，最后到今天独享丰硕的成果……这一切都在悄无声息的进行着。那块披在跨国公司头上的神秘面纱，始终遮掩着西门子的真实面孔。

Siemens is one of the worlds largest electrical and electronics companies. At the beginning it brought huge sum of money to China, however, it struggled in the adversity painfully. However, after its overall reformation, Siemens enjoys its tremendous success alone... all this is happening silently. The multinational corporation-Siemens is always a mystery.

从入门到精通 — 西门子工业网络通信实战

From Introduction to Mastery — Field of Siemens Industry Network Communication



作者：张运刚 宋小春 编著

出版单位：人民邮电出版社

书号：7115154606

价格：¥ 30.00

出版日期：2007-1-1

Authors: Zhang Yungang,

Song Xiaochun

Publisher: Posts and Telecom Press

Book Number: 7115154606

Price: ¥ 30.00

Publication Date: 2007-1-1

本书主要介绍了西门子S7-200/300/400 PLC的自由通信、PPI通信、MPI通信、PROFIBUS-DP通信及工业以太网通信的基本概念与应用实例。附录部分还给出了三菱PLC与三垦变频器通信的实例，以扩展读者的知识面。书中各部分内容均采用工程实例进行讲解，并辅以大量图形，通俗易懂，初学者可快速入门。

This book mainly tells of the basic concepts and application cases of free communication, PPI communication, MPI communication, PROFIBUS-DP communication and industry Ethernet communication of S7-200/300/400 PLC.

Examples of Mitsubishi PLC and frequency transducer are showed in the appendix in order to widen the readers' knowledge. All the contents in the book are expounded with the application cases and numerous diagrams. It's easy and quick to understand, especially for the learners.

百年基业（西门子的机遇困惑与梦想）

Siemens' Opportunity, Perplexity and Dream



作者：（德）丹尼尔拉·德库汀斯 编著

译者：郑烨 陈静

出版单位：中国铁道出版社

书号：9787113076818

价格：¥ 35.00

出版日期：2007-1-1

Author: (G) Daniela Decurtins.

Translators: Zheng Ye, Chen Jing.

Publisher: China Railway Publishing House

Book Number: 9787113076818

Price: ¥ 35.00

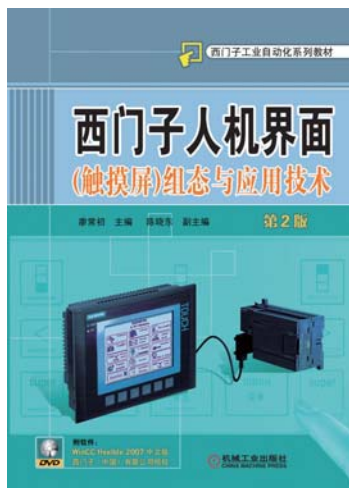
Publication Date: 2007-1-1

是一本引人入胜的书，它描述了欧洲最大的电气和电子康采恩的发展历程，可以说它出现的正是时候。西门子是一个有活力的组织，它有能力适应不断变化的外部条件，并以革新这种方式表示对变化的重视。这就是它在160年的发展中取得成功的不二法门。书中所描述的西门子可能比亲眼所见的更好，在此我感谢作者做出的努力。书中对西门子内部世界的有趣、公正的观察，以及对公司进行的深入剖析，可以让你近距离地观察西门子。

It is a fascinating book. It gives a description of the development of the largest electrical and electronics corporation. With the high time to appear, Siemens is a dynamic organization, which can adapt to the changeable exterior condition. Siemens put emphasis on the changes by innovation. This is the unparalleled way to success in 160 years' development. Siemens described in the book may be better than what we can see; I would like to give my sincere thanks to the author. You can have a close look at Siemens by the interest in Siemens internal world, just observation, as well as in-depth analysis of Siemens.

西门子人机界面（触摸屏）组态与应用技术

Siemens Human-Machine Interface (Touch Panel) Configuration and Application Technology



作者：廖常初 主编
 出版单位：机械工业出版社
 书号：9787111198963
 价格：¥ 35.00
 出版日期：2007-1-1

Author: Liao Changchu, editor
 Publisher: China Machine Press
 Book Number: 9787111198963
 Price: ¥ 35.00
 Publication Date: 2007-1-1

本书介绍了人机界面与触摸屏的工作原理和应用技术，通过大量的实例，深入浅出地介绍了使用组态软件WinCC flexible对西门子的人机界面进行组态和模拟调试的方法，包括对变量、画面、动画、报警、用户管理、数据记录、趋势图、配方、报表、运行脚本、以太网通信的组态方法，以及文本显示器TD200的使用方法。介绍了在控制系统中应用人机界面的工程实例和用WinCC flexible对人机界面的运行进行离线模拟和在线模拟的方法，以及用WinCC flexible和STEP 7来模拟人机界面和S7-300/400组成的控制系统的运行的方法。

This book presents the working principle and application technology of HCI and Touch panel. It explains the methods of Siemens HCI configuration and simulation debugging by adopting the configuration software-WinCC flexible in a simple way. The methods include the configuration method of the variable, menu, flash, alarm, user administration, data record, trend diagraph, prescription, report form, operating script, and Ethernet communication, and the method of using the text display. It tells of the examples of applying the HCI into the control system and the method of HCI operation on-line and off-line simulation by using WinCC flexible. Besides, it also talks about the operation of control system, made up by HCI and S7-300/400, by adopting WinCC flexible and STEP 7.

深入浅出西门子LOGO!

Easy Book on Siemens LOGO!



作者：赵惠忠 编著
 出版单位：北京航空航天大学出版社
 书号：9787810775335
 价格：¥ 17.00
 出版日期：2007年

Author: Zhao Huizhong
 Publisher: BUAA Press
 Book Number: 9787810775335
 Price: ¥ 17.00
 Publication Date: 2007

本书是深入浅出西门子自动化产品系列丛书之一，主要介绍西门子公司通用逻辑控制模块LOGO!的软硬件功能，以及众多应用实例。以简单方便、灵活易用为主线，涵盖了LOGO!产品的方方面面。

This book is among the book series on Siemens Automation products. It mainly talks about the hardware and software features of Siemens Control Logic Module-LOGO! and gives many application examples. It covers every aspect of LOGO! Products and it's very simple, convenient and flexible.

深入浅出西门子WinCC V6 Easy Book on Siemens WinCC V6



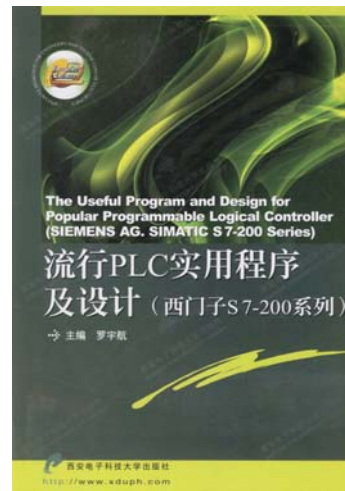
作者：苏昆哲 编著
出版单位：北京航空航天大学出版社
书号：9787810774925
价格：¥ 37.00
出版日期：2007年

Author: Su Kunzhe
Publisher: BUAA Press
Book Number: 9787810774925
Price: ¥ 37.00
Publication Date: 2007

本书是《深入浅出西门子自动化产品系列丛书》之一，系统地介绍了Siemens HMI/SCADA软件WinCC V6.0的主要功能及其组态方法，是学习WinCC V6.0的有益工具。本书分为基础篇和高级篇两大部分：基础篇内容涉及WinCC变量记录系统、报警记录系统、图形编辑器、报表系统、脚本系统和通讯系统等应用部分；高级篇内容包括WinCC客棧机/服务器结构、全集成自动化、开放性、WinCC浏览器/服务器结构及工厂智能等应用部分。

This book is among the book series on Siemens Automation products. It talks about the major features and the configuration methods of Siemens WinCC V6 in a systematical way, which is a beneficial tool to learn WinCC V6.0. The book consists of two parts: fundamental part and advanced part. The fundamental part involves many application sections, such as WinCC variable record system, alarm record system, graphics editor, report form system, script system and communication system, etc. The advanced part includes many application sections, such as WinCC server structure, completely integrated automation, WinCC browser/server structure and intelligent plant, etc.

流行PLC实用程序及设计（西门子S7-200系列） PLC Practical Program and Design (S7-200 Series)



作者：罗宇航 主编
出版单位：西安电子科技大学出版社
书号：9787560617534
价格：¥ 34.00
出版日期：2006-12-1

Author: Luo Xuhang, editor
Publisher: Xidian University Press
Book Number: 9787560617534
Price: ¥ 34.00
Publication Date: 2006-12-1

本书以德国西门子电气公司S7-200系列可编程控制器为蓝本，简要介绍了S7-200系列可编程控制器的指令系统、编程方法及常用子程序。详细介绍了电动机基本控制电路PLC程序设计、机床控制电路改造PLC程序设计及其它PLC实用控制程序设计等。最后介绍了西门子S7-200系列可编程控制器的电脑编程操作。

According to S7-200 PLC of Siemens, it briefly introduces the instruction system, programming method and common procedure of S7-200 PLC. Then, it gives a particular introduction of PLC procedure design. In the end, it explains the programming operation of S7-200 PLC.

PLC操作技能（西门子系列）

PLC Operation Technology (Siemens Series)



作者：巢文元 编著
 出版单位：中国劳动社会保障出版社
 书号：9787504554284
 价格：¥ 13.00
 出版日期：2006-9-12

Author: Chao Wenyuan
 Publisher: China Labour and Social Security Publishing House
 Book Number: 9787504554284
 Price: ¥ 13.00
 Publication Date: 2006-9-12

本教材吸收和借鉴各地中等职业技术学校教学改革的成功经验，以模块化教学的方式实现理论知识与技能训练相结合，以任务驱动法的编写方式导入教学内容，使教材内容更加符合学生的认知规律，易于激发学生的学习兴趣。

This book combines the theory and technique application by module teaching and introduces the teaching content by task driving. It is easy to inspire the students' interest.

S7-300 PLC和MM440变频器的原理与应用

Working Principles and Application of S7-300 PLC and MM440 Transducer



作者：马宁 孔红 编著
 出版单位：机械工业出版社
 书号：9787111196679
 价格：¥ 33.00
 出版日期：2006-9-1

Authors: Ma Ning, Kong Hong
 Publisher: China Machine Press
 Book Number: 9787111196679
 Price: ¥ 33.00
 Publication Date: 2006-9-1

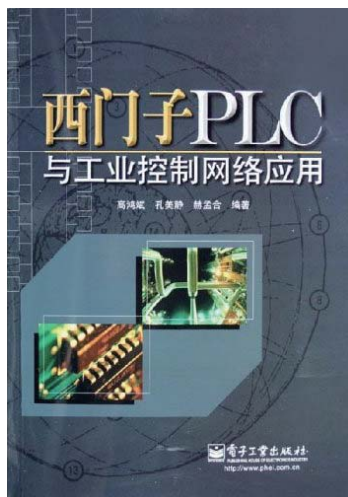
本书针对电气工程技术人员在应用西门子公司的S7-300系列PM和MM440系列变频器中遇到的理论与实践方面的问题，介绍了PLC的基本工作原理，西门子S7-300系列PLC硬件、软件的原理和应用方法，变频器调速原理和MM440系列变频器的安装、调试、参数设置及应用，并重点介绍了利用S7-300 PLC和MM440变频器实现变频调速的控制方法及工程应用实例。

本书注重实际，强调应用。

this book introduces the basic working principle of PLC, principle and application methods of Siemens S7-300 series PLC hardware and software, theory of frequency speed control and installation, commissioning, parameter setting and application of MM440 transducer. It also focuses on control method and engineering application examples of S300 PLC and MM440 VVVF transducer to realize frequency speed control.

电气控制与PLC应用

Electric Control and PLC Application



作者：陈建明 主编
 出版单位：电子工业出版社
 书号：9787121029844
 价格：¥ 29.00
 出版日期：2006-8-1

Author: Chen Jianming, editor
 Publisher: Publishing House of Electronics Industry
 Book Number: 9787121029844
 Price: ¥ 29.00
 Publication Date: 2006-8-1

本书由3部分组成，共10章。第一部分由第1~2章组成，介绍电气控制中常用的低压电器、典型控制线路、典型电气控制系统分析和设计方法；第二部分由第3~8章组成，介绍可编程控制器基础，以西门子公司S7-200型PLC为重点介绍西门子S7系列可编程控制器结构原理、指令系统及其应用，控制系统程序分析和设计方法；第三部分由第9~10章组成，简介PLC通信与网络控制及三菱FX2N系列和欧姆龙CPM1A系列PLC。

This book is divided into 3 parts including 10 chapters. The first part (Chapters 1 and 2) introduces low voltage apparatus, typical control circuit, typical electric control system analysis and design methods; the second part (Chapters 3 to 8) introduces basics about PLC, structural principles, instruction system and application of Siemens S7 PLC, program analysis and design methods of control system; the third part (Chapters 9 and 10) introduces PLC communication, network control and Mitsubishi FX2N and Omron CPM1A PLC.

数控机床电气及PLC控制技术

Electrics and PLC Control Technology of CNC Machine Tool



作者：徐慧 卢艳军 主编
 出版单位：国防工业出版社
 书号：9787118046113
 价格：¥ 21.00
 出版日期：2006-8-1

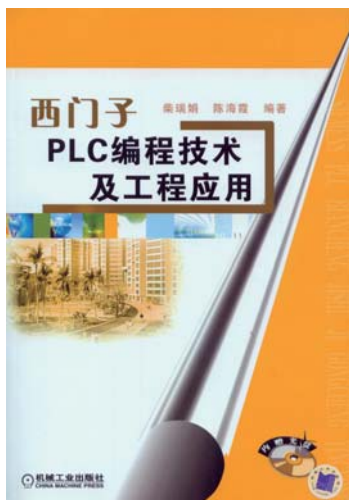
Authors: Xu Hui, Lu Yanjun, editors in chief
 Publisher: National Defense Industry Press
 Book Number: 9787118046113
 Price: ¥ 21.00
 Publication Date: 2006-8-1

全书从两方面着手编写：一方面论述了数控机床常用低压电器、常用电动机应用基础、电气控制基本环节、典型机床电气控制、调速控制；另一方面论述了PLC基础知识、S7-200系列 PLC程序编制、PLC应用设计、S7-200系列PLC的自动化网络通信。本书PLC部分主要以西门子S7-200系列PLC产品为介绍对象，内容新颖，实例详细。

On the one hand, this book introduces CNC machine tool commonly used low-voltage electrical appliances, motor application, basic steps of electric control, typical electric machine control and speed control; on the other hand, it discusses the basic knowledge of programming, PLC design of S7-200 series PLC and automation communication network. The PLC part of this book is based on Siemens S7-200 series PLC products, with new contents and detailed examples.

西门子PLC编程技术及工程应用

Siemens PLC Programming Technology and Engineering Application



作者：柴瑞娟 陈海霞 编著

出版单位：机械工业出版社

书号：711119599X

价格：¥ 38.00

出版日期：2006-8-1

Authors: Chai Ruijuan, Chen Haixia

Publisher: China Machine Press

Book Number: 711119599X

Price: ¥ 38.00

Publication Date: 2006-8-1

本书主要内容为：S7-300及S7-400系统概述，介绍了S7-300和S7-400的工作原理、硬件结构、安装配置及模块特性，使读者对PLC系统的体系架构有一定的了解；STEP 7的编程环境、硬件组态及调试方法；基于IEC61131-1的编程语言及先进的编程技术：顺序功能图（S7 Graph）各状态图（S7 Graph）；组织块和系统功能块的作用；工程设计步骤与工程实例。

The main content of this book: summary of S7-300 and S7-400 system and the working principle, hardware structure, installation configuration and module features of S7-300 and S7-400, which can help readers to know more about PLC system structure; STEP 7 programming environment, hardware configuration and debugging method; programming language and advanced programming technique based on IEC61131-1; sequential function chart (S7 Graph) ; function of tissue block and system function block; engineering design steps and engineering application cases.

工业控制网络与现场总线技术

Technology of Industrial Control Network and Industrial Fieldbus Control



作者：陈在平 岳有军 编著

出版单位：机械工业出版社

书号：9787111184218

价格：¥ 28.00

出版日期：2006-3-1

Authors: Chen Zaiping, Yue Youjun

Publisher: China Machine Press

Book Number: 9787111184218

Price: ¥ 28.00

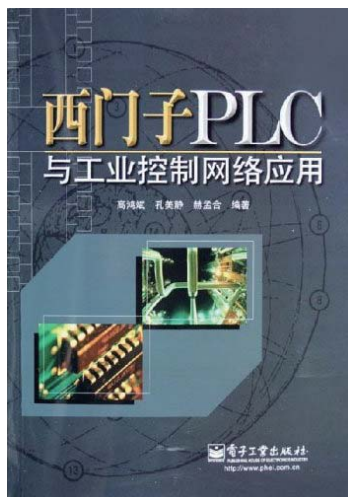
Publication Date: 2006-3-1

本书以典型工业控制网络结构为基线，阐述典型工业控制网络的基本模式，突出工业控制网络技术的特点与优势，介绍工业控制网络与一般网络从结构特点到应用实现的区别。重点介绍罗克韦尔自动化公司与西门子公司工业控制网络（现场总线）的相关技术及其应用，以及工业控制网络系统的集成技术。对于近年来出现的属于前沿知识领域的网络化控制系统的分析与设计也进行了阐述。

Based on the typical industry control network structure, it explains the basic pattern of typical industry control network and focuses on their features and advantages. Besides it also introduces the difference of industry control network and the common network from the aspect of structure features and application. This book attaches importance on the technique of Rockwell and Siemens. It also touches upon the analysis and design of the cutting edge network control system.

西门子PLC与工业控制网络应用

Application of Siemens PLC and Industry Control Network



作者：高鸿斌 孔美静 赫孟合 编著

出版单位：电子工业出版社

书号：9787121023361

价格：¥ 28.00

出版日期：2006-3-1

Authors: Gao Hongbin, Sun Meijing,
He Menghe

Publisher: Publishing House of
Electronics Industry

Book Number: 9787121023361

Price: ¥ 28.00

Publication Date: 2006-3-1

本书从实际工程应用出发，系统地阐述了西门子可编程控制器（PLC）的工作原理、功能和发展过程，以及PLC控制系统的结构、设计方法和实际应用，对控制系统中与PLC配套的常用外部设备和工业控制网络结构、通信等进行了重点介绍，提出了实际应用中应注意的若干问题并给出了处理方法。

This book sets out at the engineering application and systematically expounds on PLC working principle, function and actual application. It also focuses on introduction of the external equipment consistent with PLC and Industry control network structure, communication in control system. Besides, it also provides the questions we should pay attention to in the application and gives the solution to these questions.

变频调速技术

Frequency Control Technology



作者：刘建华 编著

出版单位：中国劳动社会保障出版社

书号：9787504554321

价格：¥ 9.00

出版日期：2006-1-1

Author: Liu Jianhua

Publisher: China Labor & Social Security
Publishing House

Book Number: 9787504554321

Price: ¥ 9.00

Publication Date: 2006-1-1

本教材根据电工类专业毕业生所从事职业的实际需要，合理确定学生应具备的能力结构与知识结构，对教材内容的深度、难度作了较大程度的调整，坚持以能力为本位教学理念，强调基本技能的培养。吸收和借鉴了各地中等职业技术学校教学改革的成功经验，以模块化教学的方式实现理论知识与技能训练相结合，以任务驱动法的编写方式导入教学内容，使教材内容更加符合学生的认知规律，易于激发学生的学习兴趣。

The book has learned from successful experiences of secondary vocational schools, combining theoretical knowledge and skill training with module teaching. It introduces teaching content using task driven method, to make the content in line with students' cognitive rules and stimulate their interest.

向名企学习的8堂管理课

8 Management Courses of Learning from Well-known Enterprises



作者：刘志海 编著
 出版单位：人民邮电出版社
 书号：9787115141286
 价格：¥ 28.00
 出版日期：2006-1-1

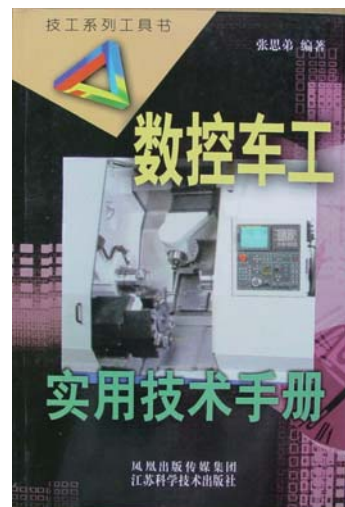
Author: Liu Zhihai
 Publisher: Posts and Telecom Press
 Book Number: 9787115141286
 Price: ¥ 28.00
 Publication Date: 2006-1-1

本书以海尔、迪特尼、杜邦、松下、GE、惠普和沃尔玛等公司的典型事例为引子，阐述了企业战略与目标、企业制度、组织内部沟通技巧、组织层次与人员配备、组织用人准则、领导艺术、企业文化经营之道等企业管理的8大部分共33个原则。通过触类旁通的理论和鲜活的故事深刻地诠释了企业管理的理念。

This book begins with the examples of Haier, Dean, Dupont, Panasonic, GE, HP and Wal-Mart. It explains 8 parts of enterprise management, such as enterprise strategy and aim, enterprise rules, the communication skills in the organization, organizational level and personnel allocation, personnel principle, leadership art, and enterprise culture operation.

数控车工实用技术手册

Technical Handbook for Numerical Control Latheman



作者：张思弟 编著
 出版单位：江苏科学技术出版社
 书号：9787534548345
 价格：¥ 41.00
 出版日期：2006-1-1

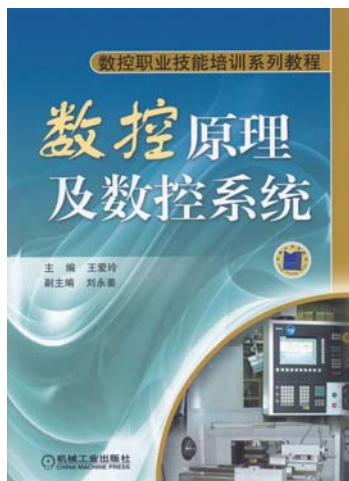
Author: Zhang Sidi
 Publisher: Jiangsu Science and Technology Press
 Book Number: 9787534548345
 Price: ¥ 41.00
 Publication Date: 2006-1-1

本书从工程实际和教学需要出发，介绍了PLC的种类、特点及基础知识。以Siemens S7-200系列可编程控制器（PLC）为背景，系统介绍了PLC的原理、指令系统、网络通信技术、系统设计方法以及PLC结合最新的工业组态软件的控制应用。

To meet the practical and teaching need, this book introduces types, features and basic knowledge of PLC. Based on Siemens S7-200 PLC, it systematically introduces the working principle, instruction system, network communication technologies, system design methods of PLC, as well as control application of PLC with the latest industrial configuration software.

数控原理及数控系统

Numerical Control Principle and Numerical Control System



作者: 王爱玲 主编
 出版单位: 机械工业出版社
 书号: 9787111183754
 价格: ¥ 23.00
 出版日期: 2006-1-1

Author: Wang Ailing, editor
 Publisher: China Machine Press
 Book Number: 9787111183754
 Price: ¥ 23.00
 Publication Date: 2006-1-1

本书主要介绍有关机械加工领域中的数控原理及数控系统,包括:数控装置点位控制;点位/直线切削控制的一般概念、点位/直线切削机床的功能;数控机床的连续切削控制概述;数控机床的程序编制方法、编程过程中的工艺处理和数学处理、不同数控系统的编程实例;基准脉冲插补法中的逐点比较法和数字积分插补法原理、数据采样插补法中的时间分割法原理;数控系统的刀具补偿原理、刀具补偿类型及判别方法等内容,介绍了CNC装置的软硬件结构及典型数控系统,数控机床的伺服系统基本原理及其调速方法,常用的位置伺服系统的基本原理以及位置检测装置等数控技术,还介绍了具有代表性的控制系统——开放式数控系统。

This book introduces numerical control technologies, equipment, process techniques, and so on. It can be used as teaching material and reference book for numerical control majors in colleges, as well as training material for company numerical control vocational skills and other readers interested in numerical control technology.

PLC入门

Introduction to PLC



作者: 严盈富 主编
 出版单位: 人民邮电出版社
 书号: 9787115134851
 价格: ¥ 17.00
 出版日期: 2005-8-1

Author: Yan Yingfu, editor
 Publisher: Posts and Telecom Press
 Book Number: 9787115134851
 Price: ¥ 17.00
 Publication Date: 2005-8-1

本书以S7-200系列PLC为例,简要介绍了PLC的工作原理、基本指令系统、编程软件STEP 7-Micro/WIN32的安装、编程、调试及运行,并在此基础上详细介绍了PLC控制系统的软、硬件设计,用举例的方法、图形的形式由浅入深地介绍PLC的应用实例,最后介绍了PLC网络通信方面的知识。

Using PLC of S7-200 series as an example, the book briefly introduces PLC's working principle, the basic instruction set, installation, and programming, debugging and running of programming software STEP 7-Micro/WIN32. And on this basis, it introduces software and hardware design of PLC control system in detail. By giving examples and explaining with figures, the book presents application of PLC, and knowledge of PLC network communication.

变频电源实用技术 — 设计与应用

Practical Technologies of AC Power Source — Design and Application



作者：周志敏 周纪海 纪爱华 编著

出版单位：中国电力出版社

书号：9787508331584

价格：¥ 26.00

出版日期：2005-6-1

Authors: Zhou Zhimin, Zhou Jihai, Ji Aihua

Publisher: China Electric Power Press

Book Number: 9787508331584

Price: ¥ 26.00

Publication Date: 2005-6-1

本书以变频电源（器）高新实用技术为主线，突出实用性，结合国内外变频技术的应用和发展，全面系统地阐述了变频电源的最新应用技术。全书共11章，系统的介绍了变频电源的功率器件、中高压变频电源主电路拓扑结构、变频电源的驱动电路、变频电源的控制方式、变频电源设计、变频器制动电路、变频调速系统的通信、变频器的电磁兼容性、变频器的选型、变频器的工程应用、变频器故障分析与处理几部分内容。

With practical technologies of AC power source as the main line, this book highlights the relevance and combines with the application of variable frequency technology at home and abroad and development of a comprehensive and systematic exposition of the latest inverter power supply applications.

员工职业素养培训（世界著名企业内训教程）

Staff Professionalism Training (Internal Training Courses of Worldwide Famous Companies)



作者：龚晓路 黄锐 编著

出版单位：中国发展出版社

书号：9787800878077

价格：¥ 32.00

出版日期：2005-6-1

Authors: Gong Xiaolu, Huang Rui

Publisher: China Development Press

Book Number: 9787800878077

Price: ¥ 32.00

Publication Date: 2005-6-1

本书是专业管理顾问师为满足国内企业对员工职业素养培训教材的普遍需要而编撰的。在内容上以GE、宝洁、摩托罗拉、强生、西门子等全球成功企业培训课程与专业管理顾问公司授课资料为蓝本，以职场必修素养的三大版块职业观念、商务礼仪、职业能力为基础，从培训的角度指导职场人员如何进行意识改变、行为修正与能力提高。

This book is written with training materials of world famous enterprises' training courses and consultants, such as GE, Procter & Gamble, Motorola, Johnson & Johnson, Siemens and so on and blueprint and three kinds of required qualities, namely professional concepts, business etiquette, and professional competency as basis, this book instructs people how to change their ideas, amend their conducts and improve their qualities from the perspective of training.

西门子工业网络通信指南上、下册

Guide for Siemens Industrial Communication Networks



作者：崔坚 主编
 出版单位：机械工业出版社
 书号：9787111165088
 价格：¥107.00
 出版日期：2005-5-1

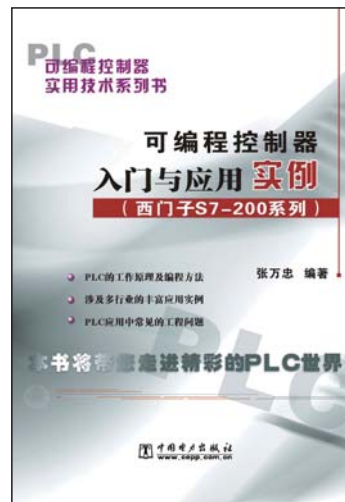
Author: Cui Jian, editor
 Publisher: China Machine Press
 Book Number: 9787111165088
 Price: ¥107.00
 Publication Date: 2005-5-1

本书从网络通信的实际应用出发，以西门子常用的工业协议为脉络，基于西门子工业控制产品和系统，分上、下两册分别以清晰易懂的理论、丰富详实的通信实例并结合多年实践经验，全面地介绍了西门子工业自动化系统基于各种协议的通信方式及其具体应用。

From the practical application of network communication and Siemens industrial agreement, this book is divided into 2 books to introduce Siemens industrial system based on Siemens industrial control products and systems, with clear theories, plenty of communication examples and years' experiences.

可编程控制器入门与应用实例（西门子S7-200系列）

Introduction and Examples of PLC (Siemens S7-200 Series)



作者：张万忠 编著
 出版单位：中国电力出版社
 书号：9787508326139
 价格：¥18.00
 出版日期：2005-1-1

Author: Zhang Wanzhong
 Publisher: China Electric Power Press
 Book Number: 9787508326139
 Price: ¥18.00
 Publication Date: 2005-1-1

本书主要内容为：从继电器到PLC、PLC是怎样工作的、PLC的指令系统、PLC的第一次亲密接触、PLC的应用与开发、PLC在金属切削加工机床中的应用、PLC在轻化工机械中的应用、PLC在供配电系统中的应用、PLC在恒压供水中的应用、PLC在交流桥式起重机控制中的应用、PLC在电梯控制中的应用、PLC应用中常见的工程问题等。

This book serves as an introduction to PLC and its application technologies. After briefly introducing the Siemens S7-200 Series PLC basic working principle and basic instruction, the book introduces PLC programming application technologies with plenty examples in various industries.

深入浅出西门子S7-300 PLC

Easy Book on Siemens S7-300 PLC



作者：刘锴 等编著
 出版单位：北京航空航天大学出版社
 书号：9787810775311
 价格：¥ 30.00
 出版日期：2004-9-1

Author: Liu Kai, etc
 Publisher: BUAA Press
 Book Number: 9787810774260
 Price: ¥ 30.00
 Publication Date: 2004-9-1

S7-300是西门子PLC的中端产品，有着非常广泛的应用基础。本书是《深入浅出西门子自动化产品系列丛书》之一，本着“深入浅出”的原则，系统地讲解了S7-300系列PLC的硬件、软件的原理和应用方法，根据西门子工程师多年的经验，解答了实际应用中最常见的问题。

The book is one of the series books on Introduction to Siemens Automation Products. Based on the principle of "introducing in a simple way", the book systematically explains theory of hardware, software and application of the S7-300 series PLC.

图解数控机床 — 西门子典型系统维修技巧

Illustrated Digital Control Machine — Siemens Typical System Maintenance Technology



作者：牛志斌 编著
 出版单位：机械工业出版社
 书号：9787111145530
 价格：¥ 22.00
 出版日期：2004-8-1

Author: Niu Zhibin
 Publisher: China Machine Press
 Book Number: 9787111145530
 Price: ¥ 22.00
 Publication Date: 2004-8-1

本书以使用西门子810系统的数控机床维修为主题，通过剖析西门子810系统的结构和工作原理，使读者熟悉810系统的工作原理；通过介绍810系统PLC报警的产生机理，使读者掌握检测维修数控机床故障的一些技巧和方法。全书通过图示的方式深入浅出地介绍故障的维修过程，使读者能够更容易地掌握故障维修技术。

With the maintenance of digital control machine of Siemens 810 system as the theme, this book introduces working principle of the Siemens 810 system through the analysis of structure and working principle.

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