Automating with SIMATIC

By Hans Berger

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Totally Integrated Automation is the concept by means of which SIMATIC controls machines, manufacturing systems and technical processes. Taking the example of the S7-300/400 programmable controller, this book provides a comprehensive introduction to the architecture and operation of a state-of-the-art automation system. It also gives an insight into configuration and parameter setting for the controller and the distributed I/O. Communication via network connections is explained, along with a description of the available scope for operator control and monitoring of a plant. As the central automation tool, STEP 7 manages all relevant tasks and offers a choice of various text and graphics-oriented PLC programming languages. The available languages and their respective different features are explained to the reader. The fourth edition describes the latest components and functions. The STEP 7 basic software is explained in its latest version. New functions for Profinet IO and the open communication over Industrial Ethernet have been added. The book is ideal for those who have no extensive prior knowledge of programmable controllers and wish for an uncomplicated introduction to this subject.

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Editorial Review

Review
"A book that gives a good overall picture of the Siemens Simatic S7 200/300/400. It may help engineers and technicians who are working with this product to understand many other configurations of Siemens automation products. Not a book if you are only interested in how to program S7 PLC." (George Yu, Australia; Amazon 10/2000)

From the Back Cover
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As the central automation tool, STEP 7 manages all relevant tasks and offers a choice of various text and graphics-oriented PLC programming languages. The available languages and their respective different features are explained to the reader.

This book describes the main actual components and functions. The STEP 7 basic software is explained in its latest version. For this edition, new functions for PROFINET IO and the open communication over Industrial Ethernet have been added.

The book is ideal for those who wish for an uncomplicated introduction to this subject.

About the Author
HANS BERGER is a very experienced developer of automation systems and software and a most successful author of technical books. He has published more than 30 books on automation technology. Including all editions in English, German and Spanish, his total book record comprises more than 70 editions.

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