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Cover photo: Lars Owesson
Printed in Denmark
Narayana Press, 2006
Alm-Arvius, Christina

Figures of Speech

Figures of Speech exemplifies, analyses and describes different types of figurative meanings, or tropes, and rhythmical schemes in natural verbal language. It should be of interest to anyone who looks for linguistically oriented information about these questions. The book focuses on figurative language in standard English, but the analyses and explanations given should be valid also for other languages.

218 pages • 2003 • ISBN 9144027990 • Order No 31249

Alm-Arvius, Christina

Introduction to Semantics

This book gives an outline of central concepts and questions in semantics – that is the study of language meaning – for university students and other interested readers with some basic knowledge of linguistics. The communication of meaning through most complex verbal language is a unique characteristic of the human species.

134 pages • 1998 • ISBN 9144005784 • Order No 6615

Beaulieu, Marguerite Emily

Looking Good in English

English has become the common thread of international communication – whether for social or political goals, or for world-wide business cooperation. This book focuses on building a realistic, executive-level vocabulary and a reliable store of diplomatic phraseology. It contains exercises and practical advice aimed at enhancing performance in business English.

258 pages • 1998 • ISBN 9144004850 • Order No 6553

Fällman, Barbro

Talking to Inspire

Popular Presentation Techniques

This book provides in an easily understood way an overview of the most important things to think about for people who want to learn how to talk in front of an audience. Among the subjects covered are argumentation, active listening, body language, the voice and posture, male and female language, nervousness, various presentation situations, and the importance of planning.

99 pages • 2004 • ISBN 9144033672 • Order No 35194

Henry, A – Walker Bergström, C

Texts and Events

Cultural Narratives of Britain and the United States

This textbook provides beginning undergraduate students with a basic introduction to British and American literature by weaving it into a context of contemporary historical events. The authors have created learning material that includes a carefully chosen selection of literary texts, followed by thought-provoking, ‘in-text’ questions which are designed to contribute to a better understanding of the relationship between literature and history.

456 pages • 2001 • ISBN 9144010503 • Order No 6989

Ljung, Magnus

Making Words in English

This is a book about the principles of modern English word-formation. Using examples from recent English texts it discusses word-formation patterns such as prefixation, suffixation, compounding, conversion as well as abbreviations, acronyms, clippings, backformations, blends, reduplicative compounds and rhyming slang. Attention is also drawn to certain theoretical issues connected with word-formation. The book contains exercises and considers various answers to these.

207 pages • 2003 • ISBN 9144023332 • Order No 31008
Mackie, Jennifer

**Australia**

*An Introduction*

*Australia* has been written primarily for English-language students at Swedish universities and colleges. However, this book will also be of interest to the general reader who is unfamiliar with the development of Australian society. In a single-volume, the reader will learn about significant events and features that have contributed to the uniqueness of Australia’s land and people.

255 pages • 2004 • ISBN 9144020864 • Order No 7903

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MacQueen, Donald S

**Window on the United States – A University Primer**

*Window on the United States* is the title of the fourth edition, again thoroughly revised, providing an up-to-date survey of American geography, ethnic diversity, government, education, and social problems. It is intended primarily for university-level English-language courses in countries outside the United States, but it can also be of interest to general readers.

Home page: www.studentlitteratur.se/o.o.i.s/334

286 pages • 4th ed 2005 • ISBN 9144039670 • Order No 3466

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Mobärg, Mats

**The Power of the Voice**

*Famous Poetry and Rhetoric in English*

This is a new anthology of poetic and rhetorical texts in English, from Shakespeare to Martin Luther King Jr. The selection is based on their cultural and rhetorical impact; most of the texts are so well-known in English-speaking countries – but not necessarily elsewhere – that they can be alluded to, quoted, parodied in many everyday contexts. All the texts are accompanied by introductions to the various authors, comprehensive glossaries, and questions and assignments.

218 pages • 2004 • ISBN 9144032471 • Order No 31567

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Moskow, M A – Olinder, B

**Criss-Cross Tales**

*Short Stories from English-speaking Cultures*

This collection of 21 stories gives insight into the diversity and wealth of short stories written in English. An introduction to various concepts of culture, to cultures where English is spoken and to the genre of the short story provides guidance for approaching the stories as cultural and literary works. Although most of the stories were written in the latter part of the 20th century, some represent earlier time periods.

340 pages • 2002 • ISBN 9144015488 • Order No 7289

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Newman-Nowicka, Margaret

**Technically Speaking**

This book is intended to help intermediate and advanced students of English develop skills and strategies for discussing technical information and for planning and delivering effective talks in English. A wide variety of strategies are described, each one accompanied by technical texts and lists of expressions typical for that strategy. Grammar and vocabulary are presented that are common in technical communication. Extensive exercises are provided for practising the speaking, grammar and vocabulary skills taught.

233 pages • 2003 • ISBN 914402116X • Order No 7916

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Odenstedt, Bengt

**The History of English**

*A Textbook for Students*

This book, which is chiefly intended as a textbook for Swedish university students, deals with the complicated and fascinating history of English. This development (from Proto-Indo-European, via Proto-Germanic, Pre-English, Old English and Middle English, up to Modern English) is described in some detail. Bengt Odenstedt is Assistant Professor of English at Umeå University. He has specialised in runology and Old and Middle English.

211 pages • 2000 • ISBN 9144013051 • Order No 7225
Bergman, B – Klefsjö, B

Quality from Customer Needs to Customer Satisfaction

This book consists of five parts. In Part I the quality concept and its history are discussed. In Parts II and III quality in the design and production processes is discussed. Part IV deals with service quality and how to measure and improve external and internal customer satisfaction. Part V focuses on the role of management. In addition, a number of case studies are presented.

478 pages • 2nd ed 2002 • ISBN 9144041667 • Order No 4633

Czarniawska, Barbara

The Three-Dimensional Organization
A Constructionist View

This book explores the notion of the three-dimensional organization, where symbolic, political and practical aspects of organizational life constitute and influence one another. Applying a constructionist viewpoint, the author revisits well-known organizational topics such as organizational control, leadership, power, rationality, technology, change and learning in order to establish what new insights can be engendered by adopting the three-dimensional perspective.

143 pages • 1993 • ISBN 9144367813 • Order No 3678

Edvardsson, Bo et al.

New Service Development and Innovation in the New Economy

This book focuses on one of the key issues in the management of a modern firm – the introduction and development of new competitive services. It combines both theoretical and applied approaches and incorporates a number of case studies from a wide range of companies. The aim is to illustrate various aspects of the design and improvement of new services.

227 pages • 2000 • ISBN 9144015593 • Order No 7377

Füssel, Lanni (Ed.)

Corporate Environmental Governance
Perspectives on Organizing and Communication

This book brings together contributions that add to our understanding of how the natural environment and the quest for sustainability is institutionalized in organizational policies and practices. The aim of this volume is to reflect upon current approaches and to contribute to an agenda for studying the relatively new research field of organizations and the natural environment.

249 pages • 2005 • ISBN 9144037732 • Order No 31911

Dobers, P – Wikander, S

BioNova
Building a Biotech Company

BioNova is a biotech company that develops precision drugs for major disease areas. By utilizing and building on its focus in the field of nuclear receptors and preclinical drug discovery, it could become a successful intermediary firm competing with Big Pharma. BioNova is also a fictitious case study that allows both students and teachers to become immersed in a venture capital based enterprise and to experience the vibrant challenge of burning issues in preparing acquisitions of licenses, discussing and realizing strategies, and resolving financial crises.

64 pages • 2004 • ISBN 9144037767 • Order No 31908

Berg, Per Olof et al. (Eds.)

Invoking a Transnational Metropolis
The Making of the Øresund Region

In the summer of 2000, “The Bridge” – linking Southern Sweden and Denmark – was opened after nearly a century of heated discussions and continually changed plans. The authors use the Øresund regionalization processes as a case to discuss how transnational cultural, political and economic integration takes place in a world where the global and the local as well as pasts and futures meet in novel ways.

317 pages • 2000 • ISBN 9144014376 • Order No 7333

Füssel, Lanni (Ed.)

Corporate Environmental Governance
Perspectives on Organizing and Communication

This book brings together contributions that add to our understanding of how the natural environment and the quest for sustainability is institutionalized in organizational policies and practices. The aim of this volume is to reflect upon current approaches and to contribute to an agenda for studying the relatively new research field of organizations and the natural environment.

249 pages • 2005 • ISBN 9144037732 • Order No 31911
Hougaard, S – Bjerre, M
Strategic Relationship Marketing
The book presents a cutting-edge new relationship economic framework and integrates it with basic principles of governing structures, customer loyalty and driving market forces. Out of this integration of standard marketing principles and innovative relationship marketing thinking comes new marketing strategic typologies and paradigms that promote the understanding of relationship dynamics and equips the reader with tools for identifying and implementing these strategies.
371 pages • 2002 • ISBN 8759308400 • Order No 31193

Johansson, Curt R et al.
Applied Participation and Empowerment at Work – Methods, Tools and Case Studies
The relevance of Participation and Empowerment (P&E) among management approaches has increased significantly. In this anthology, 26 authors from six European countries, networking in the “International Society for Participation and Empowerment (InSPE)”, are presenting, for the first time, their experiences with P&E collected over years as entrepreneurs, consultants or researchers.
278 pages • 2004 • ISBN 9144038105 • Order No 31952

Johansson, Sven-Erik
The Profitability, Financing and Growth of the Firm
Goals, Relationships, and Measurement Methods
The purpose of this book is to describe and explain the concepts, measures, and relationships which are fundamental to the process of setting financial goals and controlling the fulfilment of these goals at various levels of management responsibility. The reader should be familiar with basic accounting concepts. The book focuses, however, on the use rather than the preparation of accounting information.
166 pages • 1998 • ISBN 9144009224 • Order No 6887

Lagrosen, S – Svensson, G (Eds.)
Marketing Broadening the Horizons
This book provides a wider perspective of the marketing field, particularly at a time when the field of marketing is expanding and developing in new and different directions. It affords a deeper insight into the new marketing avenues of services marketing, business-to-business marketing and relationship marketing. Several other relevant marketing-related areas are also presented. Well-known authors like Evert Gummesson, Bo Edvardsson, Joe Hair, Arthur Money and James Stock contribute their expertise.
2006 • ISBN 9144039832 • Order No 32664

Lennerfors, Thomas (Ed.)
Moral Experiences Descriptive Business Ethics in a Global Setting
This book presents real life insights into and perspectives of contemporary business ethics. Ranging from an illegal worker to an ethics consultant, and spanning from Sweden to Hong Kong, these twelve narratives illustrate ethical issues such as bribery, workplace harassment and marketing lies. By using narratives often overlooked by more conventional textbooks, this book provides an imaginative and alternative way of introducing students to the field of business ethics.
2006 • ISBN 9144046979 • Order No 32422

Magnusson, Kjell et al.
Six Sigma The Pragmatic Approach
Six Sigma is a company-wide strategic initiative for the improvement of process performance with the core objectives to reduce costs and increase revenue. This book presents pragmatic Six Sigma – how the most successful companies combine the framework, improvement methodology and statistical tools to achieve the high rates of improvements and significant bottom-line results. The roll out of Six Sigma and management of improvement projects are also covered in-depth.
478 pages • 2nd ed 2003 • ISBN 9144028032 • Order No 7567
Ossiansson, Eva
Brands Tailored for Retailers?

In this introduction to a complex field, the author provides an analysis of the historical and theoretical foundations of marketing, brands, brand management, retailing, retail brands and retail brand management. She relates retail brands and branding to value creation brand processes, linking theoretical issues, especially relationship marketing, with the experience of new style consumers, rather than defining retail brands and branding as isolated and thus abstract traditional brand management concepts.

170 pages • 2005 • ISBN 914403640X • Order No 31828

Sandholm, Lennart
Total Quality Management

The book deals with both product quality and total quality. It includes examples from manufacturing enterprises as well as service organisations. The chapter on processes has been extended and a new chapter on strategic planning has been added. It is important that the various concepts, approaches and methods (even the trendy ones) are combined in such a way that they help to improve competitiveness and generate excellent results.

286 pages • 2nd ed 2000 • ISBN 9144011644 • Order No 6397

Schuster, Walter
Group Accounting – an Analytical Approach

This book presents an analytical method that helps the user to form an opinion of important consequences of a business combination. The effects on the profitability and financial position calculated on the basis of consolidated financial statements are in focus. Simplified numerical examples are used and important issues are illustrated by excerpts from annual reports.

191 pages • 2005 • ISBN 9144035446 • Order No 31764

Solberg Søilen, Klaus
Introduction to Private and Public Intelligence

The Swedish School of Competitive Intelligence

This book provides both students and intelligence professionals with basic theory and a number of practical tools to enhance their careers as analysts. Its subject matter goes under many names. The reader may learn the techniques of building or adapting his or her own analysis to fit any practical problem, rather than presenting well-known analyses as if they were static truths.

170 pages • 2005 • ISBN 914403640X • Order No 31828

Tyrstrup, Mats
Sovereigns of Time

A Scandinavian View of Executive Work, Time and Leadership

This book is based on studies of how business leaders look upon management and address their leadership. Time and how the aspect of time is expressed in management are recurring themes. The writer’s thesis is that what occurs in and around a company is increasingly more often the consequence of coincidences and therefore cannot be handled as planning problems.

148 pages • 2005 • ISBN 9144039638 • Order No 32069

Tyrstrup, Mats
On the Brink of Failure

The Art of Impromptu Action in Everyday

The book describes and discusses everyday leadership – how leadership is exercised on a daily basis in the light of present activities and events. Not only are the leadership efforts of project managers and line managers in focus, but also the actions of Ericsson’s top management. A general pattern emerges of leadership as an impromptu or improvising mode of action that includes relatively simple criteria for what needs to be prioritised at each stage of the proceedings.

Approx. 176 pages • 2006 • ISBN 9144046537 • Order No 12410
Amnéus, D – Svanberg-Torpman, K (Eds.)

**Peace and Security**

*Current Challenges in International Law*

The traditional concept of international law has in recent years been challenged by phenomena such as interstate wars, use of landmines, fear of cyberspace attacks, violations of human rights and international terrorism. This book analyzes these recent trends and phenomena according to the rule of use of force.

419 pages • 2004 • ISBN 9144042655 • Order No 31478

Brokelind, Cecile

**Towards an EC Tax Law**

This book provides the reader with a general survey of the functioning of the European Communities in the field of both direct and indirect taxation. The emphasis is however on corporate taxation.

69 pages • 1993 • ISBN 9187998076 • Order No 6858

Gorton, Lars (Ed.)

**The Breakdown of Public & Private Law Dichotomy in Commercial and Financial Law**

The financial law field seems to be one of the most expanding domains of law at present. There are several reasons for this. There has been a steady evolution in respect of the financial markets and the different institutions acting in them and also of new financial instruments and arrangements. This evolution has taken place both in respect of commercial parties and in relation to consumers. The latter aspect has called for more consumer protective measures.

182 pages • 2003 • ISBN 9197037125 • Order No 31488

Lindén, B – Roos, G

**Business Contracts in International Markets**

This introductory book covers some frequently used agreements for international sales transactions. The focus is on the formation and discharge of sales of goods contracts, agency and distributor agreements, joint venture agreements and arrangements that allow the use of a patent or trademark (licensing). Reference is made to supplementary trade terms incorporated in the individual contract (e.g. freight, insurance and payment arrangements) as well as to dispute resolution procedures.

313 pages • 2005 • ISBN 9144036175 • Order No 31822

Magnusson Sjöberg, Cecilia (Ed.)

**IT Law for IT Professionals – an Introduction**

The information society calls for new legal solutions. How can you legally protect intellectual property rights on the Internet? Under what circumstances is it possible for an employee to claim copyright to a program code developed at the working place? What are the preconditions for an electronic signature to be legally valid? What kind of dispute settlement may be resorted to in an Internet environment? These are just some of the issues dealt with in this anthology.

230 pages • 2005 • ISBN 9144037368 • Order No 31895

Magnusson Sjöberg, Cecilia (Ed.)

**Legal Management of Information Systems – Incorporating Law in e-solutions**

The need for legal awareness beyond applicable law is captured in the title of this book. In general terms the wording denotes legal issues of relevance when designing, developing and administrating information systems of different kinds. The book covers such broad application areas as e-government, knowledge management in law firms, and e-business models.

536 pages • 2nd ed 2005 • ISBN 9144047456 • Order No 31896
Abiri, E – Thörn, H (Eds.)

Horizons
Perspectives on a Global Africa

A large group of people, living in different places around the world, feel that they belong to an African cultural community. What the texts in this book have in common is that they all relate to Africa – as a continent, as an idea or as a cultural identity. Historical perspectives on slavery, colonialism and anti-colonialism, as well as contemporary perspectives on cultural fusion and diaspora, open up some of the horizons of our globalized world.

379 pages • 2005 • ISBN 914403685X • Order No 31835

Dunér, Bertil

The Global Human Rights Regime

Human Rights have increasingly become important for students of International Relations. This book is a stocktaking of the UN sponsored, global human rights regime, carried out from a political science point of view. Its most salient characteristics and problems are pinpointed and possibilities for regime development discussed. On a number of accounts, novel research insights are presented.

227 pages • 2002 • ISBN 9144010311 • Order No 6990

Follér, M-L – Thörn, H (Eds.)

No Name Fever
Aids in the Age of Globalization

HIV/AIDS is a phenomenon that makes it particularly obvious that we live in a globalized world. HIV/AIDS makes global economic inequalities and dependencies clearly visible. Patterns of contagion, possibilities for treatment and the distribution of drugs reflect the present economic world order as well as old colonial power relations. This volume includes contributions from researchers working in the Social Sciences and the Humanities, including some of the leading international researchers on HIV/AIDS.

368 pages • 2005 • ISBN 9144036841 • Order No 31853

Wickenberg, Per et al. (Eds.)

Learning to Change our World?

The World Summit on Sustainable Development in Johannesburg in 2002 underscored the need to integrate sustainable development perspectives into educational systems at all levels. The UN Decade 2005-15 on Education for Sustainable Development was decided upon the same year by the UN General Assembly. In this anthology, 27 researchers from 13 different Swedish universities, in a network started in 2000, are gathered for their reports on education and sustainable development.

350 pages • 2004 • ISBN 9144035667 • Order No 31783
Gustavsson, Anders et al. (Eds.)
Resistance, Reflection and Change
Nordic Disability Research

Resistance, Reflection and Change is a response to international interest in Nordic disability research. For a long time, the Nordic countries have been known for their progressive and innovative disability policies. The object of this book is to present a selection of current Nordic research from Sweden, Norway, Denmark, Finland and Iceland to an international audience.

302 pages • 2005 • ISBN 9144037872 • Order No 31915

Kristiansen, K – Traustadottir, R (Eds.)
Gender and Disability Research in the Nordic Countries

The book introduces Nordic scholarship combining gender and disability to an English speaking audience. It is the first to provide a comprehensive overview of current Nordic research in this area. The theme unifying the different studies is a focus on the intersection of gender and disability.

400 pages • 2004 • ISBN 9144038267 • Order No 31949

Tøssebro, J – Kittelsaa, A (Eds.)
Exploring the Living Conditions of Disabled People

There is a growing interest in the study of disabled peoples’ living conditions, in order to uncover social problems, to compare social groups and describe development over time. If a group is shown to fall behind, this will be an important backing of claims for political action. This book presents the present state of the art in this field of research and social reporting.

230 pages • 2004 • ISBN 9144033230 • Order No 31569

Rosling, Hans (Ed.)
Global Health
an introductory textbook

The overall aim of the book is to help readers to acquire an evidence-based understanding of global health.

Contents:
• What is development?
• Health determinants
• Health indicators
• Health transition
• Communicable diseases
• Nutritional disorders
• Non-communicable diseases
• Injury
• Sexual and reproductive health
• Global population change
• Health policies
• Health systems
• Global health co-operation.

336 pages • 2006 • ISBN 9144021984 • Order No 8012

Wamala, S – Lynch, J (Eds.)
Gender and Social Inequities in Health

This book focuses on how gender is central to an understanding of inequalities in health. Women are more likely to be disadvantaged in terms of power, work status and access to resources in nearly all societies. This book provides a critical analysis of how women’s disadvantaged position in different societies, and across various dimensions of their lives has an adverse effect on their health.

266 pages • 2002 • ISBN 9144022026 • Order No 8014
Braa, Kristin et al. (Eds)
**Planet Internet**
In this book 12 chapters are presented, each revealing a facet of how the relationships between people and Information Technology is changing in the Internet Era. The book asks a range of questions related to the consequences of living with technology in the 21st Century. The book is aimed at both IT practitioners and students. The issues discussed can provide inspiration for systems developers and managers in organizations facing the challenges of developing and using IT.

282 pages • 2000 • ISBN 9144013523 • Order No 7274

Lundeberg, Mats
**Handling Change Processes**
A Systems Approach
This book presents a novel approach to handling change processes with special emphasis on change processes in connection with information management and business reshaping. Persons working in these areas often deal with change processes on various levels without being explicitly trained for this. This book is for those who want to do something about that.

260 pages • 1992 • ISBN 9144375514 • Order No 3755

Nilsson, A G – Pettersson, J S (Eds.)
**On Methods for Systems Development in Professional Organisations**
The Karlstad University Approach to Info Systems and its Role in Society
Information Systems concerns how people use information technology (IT) in different business activities. It is a challenge for us authors to try to achieve increased clarity regarding the role that Information Systems can play in the business community and in society.

335 pages • 2001 • ISBN 9144017235 • Order No 7617

Ahlin, Lars et al.
**Principles of Wireless Communications**
This textbook provides the reader with a basic understanding of the design and analysis of digital radio communication systems. It gives an overview of the most important models and tools used today in the design of wireless systems. This completely revised and modernized edition adds new concepts such as OFDM, MIMO techniques and Packet transmission with applications to 3G and WLANs.

Approx. 500 pages • 2006 • ISBN 9144030800 • Order No 31430

Andréasson, Niclas et al.
**An Introduction to Continuous Optimization**
Foundations and Fundamental Algorithms
The book’s focus lies on providing a basis for the analysis of optimization models and of candidate optimal solutions, especially for continuous optimization models. The main part of the mathematical material therefore concerns the analysis and linear algebra that underlie the workings of convexity and duality, and necessary/sufficient local/global optimality conditions for unconstrained and constrained optimization problems.

389 pages • 2005 • ISBN 9144044550 • Order No 32217

Backstrom, Gunnar
**Practical Mathematics using MATLAB**
This volume is intended to be a guide for individual study or supervised courses in applied mathematics for scientists at undergraduate level. It may serve as an entry to college mathematics by introducing concepts in a striking manner or it may be used to illustrate the conventional, rather abstract, courses offered at universities. The book is based on the student versions of MATLAB S.

235 pages • 2nd ed 2000 • ISBN 9144015526 • Order No 6592
Bergh, Jöran et al.

Wavelets

The present book gives an overview and an introduction to the theory and its applications. It is written for a reader who has some familiarity with Fourier methods and linear algebra. Essentially, it explains what wavelets are, and how the techniques are applied, with a minimum of mathematical details. The chapters on filter banks and multiresolution analysis are basic. Subsequent chapters are built on these, and can be read independently of each other.

210 pages • 1999 • ISBN 9144009380 • Order No 6905

Dahlberg, T – Ekberg, A

Failure Fracture Fatigue
An Introduction

The theory of linear elastic fracture mechanics is discussed and extended to account for a small zone of plastic yielding at the crack tip. Stable and unstable crack growth is investigated as well as crack growth at cyclic loading. Then the focus is turned to fatigue analysis. After an introduction to governing mechanisms, high-cycle and low-cycle fatigue of uniaxial structural members is discussed. Finally, the more advanced topic of fatigue under multiaxial loading is treated.

356 pages • 2002 • ISBN 9144020961 • Order No 7876

Eldén, Lars et al.

Introduction to Numerical Computation – Analysis and MATLAB Illustrations

This book describes and analyses numerical methods for error analysis, differentiation, integration, interpolation and approximation, and the solution of non-linear equations, linear systems of algebraic equations and systems of ordinary differential equations. Principles and algorithms are illustrated by examples in MATLAB. At the end of each chapter questions on theory and computer exercises are given.

375 pages • 2004 • ISBN 9144037279 • Order No 31885

Ericsson – Telia

Understanding Telecommunications

This is a two-volume guide to telecommunications jointly produced by Ericsson and Telia. Our books provide an integrated view of what has traditionally been perceived as two distinct areas: telecommunications and data communication. We are convinced that this integrated view is very useful now that the Internet and multimedia are being used on a larger scale, increasing the need for cooperation between telecom and datacom.

Understanding Telecommunications 1
493 pages • 1997 • ISBN 9144002122 • Order No 3782

Understanding Telecommunications 2
677 pages • 1998 • ISBN 9144002149 • Order No 3783

Eriksson, Kenneth et al.

Computational Differential Equations

This book presents a unified approach to computational mathematical modelling based on differential equations combining aspects of mathematics, computation and application. The backbone of the book is a general methodology for the numerical solution of differential equations based on Galerkin’s method using piecewise polynomial approximation.

538 pages • 1996 • ISBN 9144493118 • Order No 4931
Hagentoft, Carl-Eric
Introduction to Building Physics
Good knowledge in building physics is essential for planning and constructing sound, energy-efficient buildings with high levels of comfort and durability. This book provides the basic theories and the computational methods needed to solve the various heat- and mass transfer problem associated with the building envelope, its surfaces and ventilated spaces. Network analyses are used systematically in the problem solving. A large number of examples and complete solutions are provided.
422 pages • 2001 • ISBN 9144018967 • Order No 7790

Johnson, Claes
Numerical Solutions of Partial Differential Equations by FEM
This book gives an introduction to the finite element method as a general method for the numerical solution of partial differential equations in science and engineering.
278 pages • 1987 • ISBN 9144252412 • Order No 2524

Kildal, Per-Simon
Foundations of Antennas: A Unified Approach
Modern antenna textbook. Comes with a CD-ROM containing: HTML slides covering the whole book, editable PowerPoint slides (only the hardback teacher’s edition), and more than 50 computer programs (in Mathcad) for design of dipole, slot, micro-strip, horn, reflector and array antennas. All needed software are included. No knowledge of Mathcad required. The book has received excellent reviews.
395 pages • 2000 • ISBN 9144013183 • Order No 7242 (hardback)

Nordling, C – Österman, J
Physics Handbook for Science and Engineering
This is a single volume which summarises the entire world of physics. An important learning tool for the student, an invaluable reference for the professional. In the Physics Handbook you can quickly locate any data and formulae you need. The tables comprise extensive nuclear data, including binding energy, half-life, fission product yields, cross-sections, decay modes, and decay energies of numerous nuclides.
504 pages • 8th ed 2006 • ISBN 9144044534 • Order No 1657

Olsson, Anders
Understanding Changing Telecommunications
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