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THE HISTORY OF ENGLISH

Laurel Brinton, Alexander Bergs (Eds.)

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This volume reprints articles, written by leading scholars, from the successful English Historical Linguistics: An International Handbook in a version suitable for use in the advanced classroom and by scholars. It provides a comprehensive overview of the history of English, organized by linguistic level, and explores key questions and debates, such as periodization, discourse and pragmatics.

Alexander Bergs, Osnabrück, Germany; Laurel Brinton, Vancouver, Canada.

SUBJECTS Languages of Europe • Germanic Languages • English; Theoretical Frameworks and Disciplines • Historical Linguistics

Collection, English, September 2017

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Ana Rojo, Universidad de Murcia, Spain; Iraide Ibarretxe-Antuñano, Universidad de Zaragoza, Spain.

**SUBJECTS**
Theoretical Frameworks and Disciplines • Cognitive Linguistics; Theoretical Frameworks and Disciplines

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Collection, English, June 2016

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Dina Tsagari, University of Cyprus, Nicosia, Cyprus; Jayanti Banerjee, CaMLA, Ann Arbor, U.S.A.

**SUBJECTS**
Theoretical Frameworks and Disciplines • Applied Linguistics; Theoretical Frameworks and Disciplines • Second Language Acquisition; Theoretical Frameworks and Disciplines • Linguistics, other

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Yaron Matras, University of Manchester, UK; Peter Bakker, Aarhus University, Denmark.

**SUBJECTS**
Theoretical Frameworks and Disciplines • Language Contact; Theoretical Frameworks and Disciplines • Sociolinguistics

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**Michael Haugh,** Griffith University, Australia.

**SUBJECTS** Levels of Linguistic Analysis • Pragmatics; Theoretical Frameworks and Disciplines • Linguistics, other

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**Monograph, English, June 2016**

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**Greville Corbett,** University of Surrey, UK.

**SUBJECT** Theoretical Frameworks and Disciplines • Cognitive Linguistics

**Collection, English, January 2015**

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Martin Schäfer

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German Adverbial Adjectives at the Syntax-Semantics Interface

Martin Schäfer, Friedrich-Schiller-Universität Jena, Germany.

SUBJECTS
Languages of Europe • Germanic Languages • German; Levels of Linguistic Analysis • Semantics; Levels of Linguistic Analysis • Syntax; Theoretical Frameworks and Disciplines • Generative Linguistics

READERSHIP
Scholars working on Linguistics of German, linguists working on Syntax-Semantics Interface and Formal Analysis of Adverbials

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Shannon T. Bischoff, Indiana University-Purdue University, USA; Carmen Jany, California State University, USA.

SUBJECTS
Theoretical Frameworks and Disciplines • Functional Theories of Grammar; Theoretical Frameworks and Disciplines • Generative Linguistics; Theoretical Frameworks and Disciplines • Linguistic Typology

READERSHIP
Academics, Institutes, Libraries

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Geoffrey Sampson, Anna Babarczy

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Growth and Limits of Grammatical Precision

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G. Sampson, University of South Africa & Sussex University; A. Babarczy, Budapest University of Technology and Economics, Hungary.

SUBJECTS
Theoretical Frameworks and Disciplines • Linguistics, other; Theoretical Frameworks and Disciplines • Philosophy of Language

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Dan Xu, Centre National de la Recherche Scientifique (CNRS), Paris, France.

Subjects
- Levels of Linguistic Analysis
- Syntax

Readership
Researchers in the Field of Linguistic Typology, Language Contact, Patterns of Evolution (Grammaticalization, Lexicalization)
The present volume collects contributions addressing different aspects of the measurement of linguistic differences, a topic which probably is as old as language itself but at the same time has acquired renewed interest over the last decade or so, reflecting a rapid development of data-intensive computing in all fields of research, including linguistics.

Lars Borin, University of Gothenburg, Sweden; Anju Saxena, Uppsala University, Sweden.

**SUBJECT**
Theoretical Frameworks and Disciplines • Linguistics, other

**Collection, English, June 2016**

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This edition brings together some lesser known grammaticalization paths travelled by 'come' and 'go' in familiar and less familiar languages. No single book volume has been dedicated to the topic of grammatical targets different from tense and aspect so far. This study will increase our insight in grammaticalization processes in general as they force us to rethink certain aspects of grammaticalization.

Maud Devos, Royal Museum for Central Africa, Belgium, and Jenneke van der Wal, University of Cambridge, UK.

**SUBJECTS**
Levels of Linguistic Analysis • Semantics; Levels of Linguistic Analysis • Syntax; Theoretical Frameworks and Disciplines • Historical Linguistics

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This volume focuses on the interplay of syntactic and semantic factors in language change. The contributions draw on data from numerous Indo-European languages and address the question of how syntactic and semantic change are linked and whether both are governed by similar constraints, principles and systematic mechanisms. The volume will appeal to scholars in historical linguistics and formal theories of syntax and semantics.

Chiara Gianollo and Agnes Jäger, Universität zu Köln, Germany; Doris Penka, Universität Konstanz, Konstanz, Germany.

**SUBJECTS**
Levels of Linguistic Analysis • Semantics; Levels of Linguistic Analysis • Syntax; Theoretical Frameworks and Disciplines • Historical Linguistics

**READERSHIP**
Scholars in Historical Linguistics and Formal Theories of Syntax and Semantics

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Monograph, English, June 2016

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Maria de los Angeles Gomez Gonzalez and Teresa Sanchez Roura, Santiago de Compostela University, Spain.

SUBJECTS Applied Linguistics • Language Teaching and Learning; Languages of Europe • Germanic Languages • English; Languages of Europe • Latin and Romance Languages • Spanish; Levels of Linguistic Analysis • Phonetics

Textbook, English, January 2016

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Carola Trips, University of Mannheim, Germany.

SUBJECTS Languages of Europe • Germanic Languages • English; Levels of Linguistic Analysis • Syntax

READERSHIP Undergraduate University Students of English or Linguistics (BA, MA, Staatsexamen), Students specializing in Syntax, Syntactic Theory, and Language Change.

Textbook, English, May 2015

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This is an updated edition of Good Humor, Bad Taste: A Sociology of the Joke, published in 2006. Using a combination of interview materials, survey data, and historical materials, it explores the relationship between humor and gender, age, social class, and national differences in the Netherlands and the United States. This edition includes new developments and research findings in the field of humor studies.

Giselinde Kuipers, University of Amsterdam, The Netherlands.

SUBJECTS Theoretical Frameworks and Disciplines • Applied Linguistics; Theoretical Frameworks and Disciplines • Sociolinguistics

READERSHIP Scholars in the fields of Social and Cultural Studies, Sociology, Anthropology, Cultural History, and Humor Studies.

Textbook, English, March 2015

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Ingo Plag, Sabine Arndt-Lappe, Maria Braun, Mareile Schramm, University of Siegen, Germany.

SUBJECTS Languages of Europe • Germanic Languages • English; Theoretical Frameworks and Disciplines • Linguistics, other

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Textbook, English, May 2015

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SUBJECTS Levels of Linguistic Analysis • Discourse; Semiotics • Social Semiotics; Theoretical Frameworks and Disciplines • Applied Linguistics; Communication Science • Communication Science, other

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Anke S. Biendarra, University of California, Irvine, USA.

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READERSHIP Scholars of Literary Studies, Cultural Studies

Monograph, English, June 2016

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Paul Rouzer, University of Minnesota, USA.

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J. Eder, Universität Mainz; F. Jannidis, Universität Würzburg; R. Schneider, Universität Bielefeld.

SUBJECTS Media Studies; Media Theory; Genres and Media in Cultural Studies; Film; Literary Studies, general; Literary Theory
READERSHIP Academics, Institutes, Libraries

Collection, English, June 2016

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Daniel Stein, Universität Siegen, Germany; Jan-Noël Thon, Eberhard Karls Universität Tübingen, Germany.

SUBJECTS
Comparative Literary Studies; Literary Genres and Media; Genre Studies, general; Literary Theory; Narratology

READERSHIP
Academics, Libraries, Institutes

Collection, English, April 2015

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Otmar Ette

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Transl. by Mark W. Person

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Otmar Ette, Potsdam University, Germany.

SUBJECTS
Comparative Literary Studies; Romance Literature

READERSHIP
Academics (Literary Studies, Cultural History, Romance Studies)

Monograph, English, July 2016

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Wilhelm W. Hemecker and Edward Saunders, Ludwig Boltzmann Institute for the History and Theory of Biography, Vienna, Austria.

SUBJECT
Literary Theory

READERSHIP
Students and teachers of Literary Studies and History

Textbook, English, July 2017

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Karl Reichl, University of Bonn, Germany.

SUBJECTS Comparative Literary Studies; Anglo-American Literature • 8th–15th Century; German Literature • 8th–15th Century; Selected Research Topics • Mythology and Folk Literature

READERSHIP Mediävisten, Literaturwissenschaftler, Volkskundler

Textbook, English, January 2016

Series
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SUBJECTS Cultural Theory • General Cultural Theory; General Cultural Studies; Political Economics • Political Economics, other; Literary Theory

READERSHIP Academics, Institutes, Libraries

Collection, English, June 2016

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Vera Nünning, Heidelberg University; Ansgar Nünning and Birgit Neumann, Justus Liebig University Giessen.

SUBJECTS General Cultural Studies; Literary Studies, general; Literary Theory

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A.S. Bergerson, K. S. Baker, C. Martin, U. of Missouri, Kansas City, USA; S. Ostovich, Coll. of St. Scholastica, Duluth, Minnesota, USA

SUBJECTS General Cultural Studies; Historical Periods; Modern History; 20th Century; Political Philosophy and Social Philosophy
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Doris Bachmann-Medick, International Graduate Centre for the Study of Culture (GCSC), Justus-Liebig-Universität, Giessen, Germany.

SUBJECTS Cultural Theory; General Cultural Theory; General Cultural Studies; Literary Theory
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Margaret McCarthy, Davidson College, Davidson, NC, USA.

SUBJECTS General Cultural Studies; German Literature
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Richard A. H. King, University of Glasgow, UK.

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Géza G. Xeravits, Budapest, Hungary; Tobias Nicklas, Regensburg, Germany; Isaac Kalimi, Chicago, IL, USA.

SUBJECTS Judaism • Hellenistic-Roman Era; Old Testament and Ancient Near East • History of Reception; Old Testament and Ancient Near East • Apocrypha and Pseudepigrapha • Apocrypha and Pseudepigrapha, others

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Carly L. Crouch, University of Cambridge.

SUBJECTS Ancient Near Eastern Studies; Judaism • Hellenistic-Roman Era; Old Testament and Ancient Near East • Israel and the Ancient Near East • Ancient Near East • Wisdom and Psalms • Psalms

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**Bettina Koch**, Virginia State University, Blacksburg, VA, USA.

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**SUBJECTS** Religious Studies • Christianity; Religious Studies • Islam; Religious Studies • Judaism

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Marian Burchardt, MPI Göttingen; Matthias Middell and Monika Wohlrab-Sahr, University of Leipzig, Germany.

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Dan Smyer Yu, Yunnan Minzu University, Centre of Trans-Himalayan Studies, Chenggong, China.

SUBJECTS Asia; Religious Studies • Buddhism; Religious Studies • Anthropology of Religion; Religious Studies • Religion in Asia
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Jörg Rüpke and Wolfgang Spickermann. Max Weber Center, University of Erfurt, Germany.

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Brent Sockness, Stanford University, CA, USA; Wilhelm Gräb, Humboldt-University Berlin, Germany.

SUBJECTS History of Philosophy • Modern Philosophy • 18th and 19th Century Philosophy • Modern Christian Thinkers and Philosophers of Religion • Schleiermacher: Systematic Theology and Philosophy of Religion • Schleiermacher: Systematic Theology and Philosophy of Religion

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Jacques Waardenburg (†) and Russell McCutcheon, University of Alabama, Tuscaloosa, AL, U.S.A.

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James Conant, University of Chicago, USA.
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Monograph, English, June 2016

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Monograph, English, June 2016

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Martine Prange, Leiden University, Netherlands.

SUBJECTS Music, general; History of Philosophy • Modern Philosophy • 18th and 19th Century Philosophy; Aesthetics; Selected Philosophers • Nietzsche

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Vinod Acharya, Seattle University, USA.

SUBJECTS History of Philosophy • Modern Philosophy • 18th and 19th Century Philosophy; Metaphysics, Ontology; Selected Philosophical Movements • Hermeneutics; Selected Philosophers • Nietzsche

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David Hyder, University of Ottawa, Ontario,
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Heidemarie Wawrzyn, Jerusalem, Israel.

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Monograph, English, June 2016

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Monograph, English, October 2015

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Monograph, English, September 2015

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This book about the reparations issue (“shilumim” in Hebrew) brings together selected protocols of all debates held regarding conducting negotiations with Germany. This is the first book documenting confidential protocols lately opened to the public. With the elaborate introduction by Yehiam Weitz, this book will serve as a basic textbook for an important chapter not only in Israeli and German history, but also in post-war history in general.

Yaakov Sharett, Moshe Sharett Heritage Society, Tel Aviv, Israel.

SUBJECTS Topics in History • Jewish History • Israel and Palestine; Topics in History • Jewish History • German–Jewish History; Topics in History • Jewish History • Holocaust; Jewish History • Israel and Palestine
READERSHIP Bibliotheken, Institutionen im Kontext deutsch-israelischer Beziehungen, Wissenschaftler


ISBN 978-3-11-048550-9

Irene Eber

WARTIME SHANGHAI AND THE JEWISH REFUGEES FROM CENTRAL EUROPE
Survival, Co-Existence, and Identity in a Multi-Ethnic City

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This is the first comprehensive historical study on the Shanghai community after the publication of a number of memoirs of Shanghai refugees who brought this exile into the consciousness of a broader academic public.

The study discusses the history of the Jewish refugees within the Shanghai setting and its relationship to the two established Jewish communities, the Sephardi and Russian Jews. Attention is also focused on the cultural life of the refugees who used both German and Yiddish, and on their attempts to cope under Japanese occupation after the outbreak of the Pacific War.

Irene Eber, Hebrew University of Jerusalem, Israel.

SUBJECTS Topics in History • Jewish History • Holocaust; Topics in History • Exile History; Jewish History • Diaspora; Jewish History • Holocaust
READERSHIP Libraries, Institutes (Jewish Studies, History), Academics

Monograph, English, June 2016

ISBN 978-3-11-048568-4

Rob Krier

ARCHITECTURAL JOURNAL 1960–1975

Intellectual Biography, Memoirs, Contemporary Architecture and Urbanism

In his “Architectural Journal 1960–1975” Rob Krier, one of the most influential architects and urban planners of the second half of the 20th century, talks about 15 formative years of his career, starting from architectural studies in Munich. Krier’s memories are accompanied by theoretical texts. Here he touches upon architect’s responsibilities, importance of historical legacy and exhorts to boycott ugliness in the name of beauty.

Rob Krier, renowned architect, urban designer, theorist and sculptor, Berlin, Germany.

SUBJECTS Architecture • Architects, Buildings; Architecture • Urbanism; Architecture • Professional Practice: Architecture • Theory
READERSHIP Architects, Urban Designers, Architectural Historians

Monograph, English, German, February 2016

933 pp., 443 fig.  HC RRP € 99.95 / *US$ 140.00 / *£ 74.99
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Yaakov Sharett (Ed.)

THE REPARATIONS CONTROVERSY
The Jewish State and German Money in the Shadow of the Holocaust 1951–1952

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This book about the reparations issue (“shilumim” in Hebrew) brings together selected protocols of all debates held regarding conducting negotiations with Germany. This is the first book documenting confidential protocols lately opened to the public. With the elaborate introduction by Yehiam Weitz, this book will serve as a basic textbook for an important chapter not only in Israeli and German history, but also in post-war history in general.

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SUBJECTS Architecture • Architects, Buildings; Architecture • Urbanism; Architecture • Professional Practice: Architecture • Theory
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Monograph, English, German, February 2016

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Dietmar Eberle, Professor of Architectural Design, ETH Zurich; Marcello Nasso, Lecturer of Architectural Design ETH Zurich

SUBJECT Architecture • Studies
READERSHIP Studenten, Architekten

Textbook, English, August 2017

Approx. 536 pp., 875 fig.
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Michael Heinrich is a freelance architectural photographer in Munich and runs photography seminars for students of architecture.

SUBJECTS Architecture • Studies; Architecture • Professional Practice
READERSHIP Professional/practitioner

Textbook, English, October 2008

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Isabella Skiba, Rahel Züger

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Isabella Skiba and Rahel Züger are freelance architects.

SUBJECTS Architecture • Studies; Architecture • Professional Practice
READERSHIP Professional/practitioner

Textbook, English, July 2009

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**SUBJECT** Architecture • Construction

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**Textbook, English, July 2015**

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**Textbook, English, March 2017**

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Jan Krebs is a freelance architect based in Dortmund.

**SUBJECTS** Architecture • Studies

**READERSHIP** Professional/practitioner

**Textbook, English, April 2007**

**Series**

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Together with Oliver Schürer, Dörte Kuhlmann

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Kari Jormakka, Dörte Kuhlmann and Oliver Schürer, Vienna University of Technology, Austria.

SUBJECTS Architecture • Studies; Architecture • Professional Practice; Architecture • History

READERSHIP Professional/practitioner

Textbook, English, November 2013

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Be raft Bielefeld (Ed.)

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Bert Bielefeld, professor at the University of Siegen, managing partner of bielefeld&partner in Dortmund, Germany.

SUBJECTS Architecture • Construction; Architecture • Studies; Architecture • Professional Practice

READERSHIP Studenten, Berufsanfänger, Architekten.

Textbook, English, September 2017

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Peter Wotschke. The Berlin School of Economics and Law, Berlin, Germany.

SUBJECTS Architecture • Construction; Architecture • Studies; Architecture • Professional Practice

READERSHIP Studenten, Studienanfänger, Architekten.

Textbook, English, March 2017

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Roman Skowranek, architect, VSI Verfürth Architekten, Bottrop, Germany.

SUBJECTS Architecture; Construction; Architecture Studies; Architecture Professional Practice

READERSHIP Studenten, Studienanfänger, Architekten.

Textbook, English, March 2017

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Nils Kummer

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Nils Kummer works as an architect by Gerber Architekten (Dortmund) and helps to plan the implementation of building projects.

SUBJECTS Architecture; Construction; Architecture Studies; Architecture Professional Practice

READERSHIP Professional/practitioner

Textbook, English, November 2006

Series

Basics / Basics (englisch)

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Ulrich Exner, architect and engineer, University of Siegen; Dietrich Pressel, freelance architect, University of Siegen.

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Katrin Hanses, M.A. architect, research assistant at Siegen University, owner studio h, Cologne.
Marie-Theres Albert, Birgitta Ringbeck

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Marie-Theres Albert, BTU Cottbus-Senftenberg, Cottbus; Birgitta Ringbeck, Federal Foreign Office, Berlin.

SUBJECTS Museums, Collecting and Material Culture; Topics in History + Cultural History
READERSHIP Academics (Art History, Cultural Studies, Archeology, Geography) and international Heritage Managers.

Monograph, English, August 2015

Series Heritage Studies 3

222 pp., 89 fig.
HC RRP € 39.95/US$ 56.00/£ 29.99
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Heinz-Werner Nienstedt, Stephan Russ-Mohl, Bartosz Wilczek (Eds.)

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Stephan Russ-Mohl, Universität della Svizzera italiana, Switzerland; Heinz-Werner Nienstedt, Uni Mainz; Bartosz Wilczek, Switzerland.

SUBJECTS Publishing and Book Trade; Media and Press
READERSHIP Libraries, Institutes, Academics (Communication Studies, Media Studies), Journalists

Collection, English, June 2016

Series Media Convergence / Medienkonvergenz 5

176 pp.
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Eric Jespers, Ángel del Río

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Eric Jespers, Vrije Universiteit Brussel, Belgium; Ángel del Río Mateos, Universidad de Murcia, España.

SUBJECT Algebra and Number Theory
READERSHIP Graduate students of Mathematics, especially Group Theory, Lecturers, Researchers, Academic Libraries

Textbook, English, November 2015

Series De Gruyter Textbook

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**SUBJECT** Algebra and Number Theory

**Textbook, English, November 2015**

**Series**

De Gruyter Textbook

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Hans-Heinrich Körle, form.University of Marburg, Germany.

**SUBJECT** History and Philosophy

**READERSHIP** Für Studierende der Mathematik und alle, die sich für die Mathematik begeistern

**English, September 2015**

**Series**

De Gruyter Textbook

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Werner Linde, University of Jena, Germany.

**SUBJECT** Probability and Statistics

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**English, October 2016**

**Series**

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Paraskevas Alvanos, Model Experimental High School of Thessaloniki, Greece

SUBJECTS Algebra and Number Theory; Geometry and Topology; Numerical and Computational Mathematics

READERSHIP Researchers and graduate students in algebraic geometry and number theory.

Specialist Text, English, March 2015

151 pp., 4 fig.

HC RRP € 39.95 / *US$ 56.00 / *£ 29.99

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Gilbert Baumslag, Benjamin Fine, Martin Kreuzer, Gerhard Rosenberger

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Gilbert Baumslag †; Benjamin Fine, Fairfield Uni; Martin Kreuzer, Uni of Passau; Gerhard Rosenberger, Uni of Hamburg.

SUBJECTS IT-Security and Cryptology; Algebra and Number Theory; Combinatorics and Graph Theory; Applied Mathematics

READERSHIP Students in Mathematics and Computers Lecturers; Academic Libraries.

Textbook, English, May 2015

Series

De Gruyter Textbook

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Derek J. S. Robinson, University of Illinois, Urbana-Champaign, USA.

SUBJECT Algebra and Number Theory

READERSHIP Students and lecturers in Mathematics, Information and Physical sciences; Academic libraries.

Textbook, English, May 2015

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Joachim Ender, Fraunhofer Institute for High Frequency Physics and Radar Techniques, Germany.

SUBJECTS Electrical Engineering • Signal Processing; Numerical and Computational Mathematics; Applied Mathematics
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Textbook, English, December 2016

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Volker Diekert, Manfred Kufleitner and Ulrich Hertrampf, Stuttgart, Germany; Gerhard Rosenberger, Hamburg, Germany.

SUBJECTS Theoretical Informatics; Algorithms; Algebra and Number Theory; Combinatorics and Graph Theory

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Textbook, English, May 2016

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Frank Brand, Berlin School of Economics and Law, Germany.

SUBJECTS Mathematics and Statistics for Economists • Mathematics; Probability and Statistics

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Textbook, English, October 2017

Series

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Gerardo Chacón, Gallaudet University, DC, USA. Humberto Rafeiro, Juan Vallejo, Pontificia Universidad Javeriana, Bogota, Colombia.

SUBJECT Analysis

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Textbook, English, December 2016

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Sara Munday, University of Bologna, Italy; Marc Kesseböhmer and Bernd Stratmann, University of Bremen, Germany.

SUBJECTS
Algebra and Number Theory; Differential Equations and Dynamical Systems
READERSHIP Students and Lecturers of Mathematics. Researchers interested in dynamical systems, ergodic theory and number theory.

Textbook, English, October 2016

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Martin Weiser, Konrad-Zuse-Zentrum für Informationstechnik, Germany.

SUBJECTS
Numerical and Computational Mathematics; Applied Mathematics
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Students of Mathematics, Scientific Computing, Engineering; Lecturers; Academic Libraries

Textbook, English, May 2016

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Min Yan, HongKong University of Science and Technology, HongKong.

SUBJECT
Geometry and Topology
READERSHIP
Math Students, Math Lecturers, Academic Libraries

Textbook, English, February 2016

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Textbook, English, June 2015

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**SUBJECTS** Differential Equations and Dynamical Systems; Probability and Statistics; Numerical and Computational Mathematics; Theoretical and Mathematical Physics

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Textbook, English, September 2017

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Peter Zörnig, University of Brasilia, Asa Norte, Brazil.

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Textbook, English, July 2016

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Timo Heister and Leo G. Rebholz, Clemson University, USA.

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Textbook, English, May 2015

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Hans Föllmer, Humboldt-Universität zu Berlin, Germany; Alexander Schied, University of Mannheim, Germany.

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Textbook, English, July 2016

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Nail H. Ibragimov, Ufa State Aviation Technical University, Russia; Blekinge Institute of Technology, Sweden

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Textbook, English, August 2015

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Franz Lanz, Bempflingen, Germany.

SUBJECT Programming and Languages

English, October 2015

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Andreas Wierse, Till Riedel

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A. Wierse, SICOS BW GmbH, Stuttgart.
Till Riedel, KIT, Karlsruhe.

SUBJECTS Databases and Data Mining; Data Processing; Electrical Engineering • Information Technology; Electrical Engineering • Signal Processing
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Mark Beckner

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Vincent Zimmer Engineer, WA, USA, Suresh Marisetty Systems Architect, CA, USA, Michael Rothman Engineer, WA, USA

SUBJECTS Computer Architecture; Programming and Languages; Software Development; Operating Systems
READERSHIP Software Engineers, System Architects, Pre-Operating-System Application and End-User Developers, Hardware Vendors

Monograph, English, January 2017

3rd Ed.
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Michael Rothman Engineer, WA, USA, Vincent Zimmer Engineer, WA, USA, Tim Lewis Insyde CTO, CA, USA

SUBJECTS Computer Architecture; Programming and Languages; Software Development; Operating Systems
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Monograph, English, March 2017

Alasdair Gilchrist

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Alasdair Gilchrist, Nonthaburi, Thailand

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READERSHIP Programmers and security professionals without extensive IoT knowledge

Monograph, English, January 2017

Jonathan Hassell

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Jonathan Hassell, President 82 Ventures LLC, CA, USA

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*Gerrit Beine*, Berlin

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*English, November 2017*

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*Lena Wiese*, University of Göttingen, Germany.

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*Textbook, English, October 2015*

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Bo Nilsson, Medical Radiation Physics, Department of Physics, Stockholm University, Stockholm, Sweden

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Monograph, English, November 2015
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H. Chris Ransford, INPG, Grenoble, France

SUBJECTS
Quantum Physics; Relativity and Gravitational Physics
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Readers of popular science books on cosmology and the mysteries of Time

Monograph, English, April 2015
128 pp., 1 fig.
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Tilo Aspelmeier, Sebastian Aeffner, Tim Salditt, Universität Göttingen, Germany.

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Textbook, English, April 2017

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Dieter Bauer, University of Rostock, Germany.

SUBJECTS Quantum Chemistry; Atom, Molecular and Plasma Physics; Condensed Matter Physics; Quantum Physics
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Textbook, English, April 2017

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Textbook, English, September 2017

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Starting with foundations in physiology, this textbook introduces students in science, medicine and engineering in a coherent way to the physics behind modern imaging and therapy techniques, as well as bio-compatible materials and their use in prosthetics. This first volume of two covers medical foundations and medical imaging.

Hartmut Zabel, Ruhr-Universität Bochum, Germany.

SUBJECTS Biomedical Engineering; Electromagnetism, Optics and Photonics; Biophysics
READERSHIP Students and researchers in physics, engineering, and materials science. R&D laboratories in bio-medical engineering.

Textbook, English, June 2017

Series
De Gruyter Textbook

550 pp., 539 fig.
Pb. RRP € 74.95 / US$ 86.99 / £ 61.99
ISBN 978-3-11-037281-6
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Wolfram Pernice, Kurt Busch

NANO-OPTOMECHANICS
Principles and Applications

- Written by a team of experimental and theoretical physicists, all relevant aspects are treated on the basis of first-hand experience. Unites two fields relevant in basic research and engineering applications: Nanomechanics and Nanophotonics.

Optomechanics is a quickly evolving research field investigating systems where light is coupled to mechanical degrees of freedom of micro- and nanostructures. This graduate textbook gives the first coherent overview of the field, including background knowledge on open quantum systems and nanophotonics.

Wolfram Hans Peter Pernice, KIT, Institute for Nanotechnology, Germany; Kurt Busch, Institute of Physics, HU Berlin, Germany.

SUBJECTS Theoretical and Mathematical Physics; Electromagnetism, Optics and Photonics
READERSHIP Physicists in optics and solid state physics, Engineers, Students, Academic libraries

Textbook, English, October 2017

Series
De Gruyter Textbook

370 pp., 50 fig.
Pb. € 69.95 (D)/ RRP *US$ 80.99 / RRP *£ 57.99
ISBN 978-3-11-033527-9
eBook RRP € 700.00 / US$ 805.99 / £ 574.99
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Katharina Krischer, Konrad Schönleber

PHYSICS OF ENERGY CONVERSION

- Provides coherent presentation of the basic physics behind the processes. Basic thermodynamics and solid states physics are given in two separate chapters, providing an organizing framework

Covers the physical basis of the most important energy conversion processes used for energy supply. Provides the fundamentals and a scientific understanding of the physics behind thermal power plants, solar cells and power plants, batteries and fuels cells as well as energy storage devices.

SUBJECTS Materials for Energy; Thermodynamics and Statistical Physics; Technical and Applied Physics
READERSHIP Senior undergraduate through graduate levels; professionals.

Textbook, English, April 2015

Series
De Gruyter Textbook

215 pp., 105 fig.
Pb. € 59.95 (D)/ RRP *US$ 84.00 / RRP *£ 44.99
eBook RRP € 600.00 / US$ 840.00 / £ 450.99
Motivated by a plethora of phenomena from nature, this textbook introduces into the physics of wetting of surfaces. After a brief discussion of the foundations of surface tension, its exploitation for floating objects on or in liquids is discussed. Furthermore, droplets and capillary effects are discussed and after a brief excursion into cavitation, the basics of dirt-repellent surfaces (lotus effect) are introduced.

Edward Yu. Bormashenko, Ariel University Center of Samaria, Israel.

SUBJECTS Physical Chemistry; Thin Films, Surfaces; Mechanics and Fluid Dynamics; Condensed Matter Physics
READERSHIP Students in Physics, Materials Science, Chemistry and Mechanical and Electrical Engineering.

Textbook, English, September 2017

Series De Gruyter Textbook

212 pp., 100 fig.
Pb. RRP € 69.95 / *US$ 80.99 / £ 57.99
ISBN 978-3-11-044480-3
eBook RRP € 70.00 / *US$ 805.99 / £ 574.99
PDF ISBN 978-3-11-044481-0
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Thomas Schäpers

SEMICONDUCTOR SPINTRONICS

The first to summarize the basic spin-related physical phenomena and their possible applications in future electronics in a didactically accessible manner. Also covers topological insulators. Includes over 100 full-color illustrations & diagrams.

As the first comprehensive introduction into the rapidly evolving field of spintronics, this textbook covers ferromagnetism in nano-electrodes, spin injection, spin manipulation, and the practical use of these effects in next-generation electronics. Based on foundations in quantum mechanics and solid state physics this textbook guides the reader to the forefront of research and development in the field.

Thomas Schäpers, Research Center Jülich, Germany.

SUBJECTS Electrical Engineering • Materials; Nanotechnology; Condensed Matter Physics; Electromagnetism, Optics and Photonics
READERSHIP Graduate students and researchers in physics, electrical engineering, and materials science.

Textbook, English, April 2016

Series De Gruyter Textbook

368 pp.
Pb. RRP € 59.95 / *US$ 84.00 / £ 44.99
ISBN 978-3-11-036167-4
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PDF ISBN 978-3-11-042544-4
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**VOLUME 1: ANALYSIS**

- Presents basic concepts and theories in signals and systems. Illustrates mathematical methods and their application in system analysis. Textbook allowing easy access to the topic.

The book begins by introducing signals and systems, and then discusses Time-Domain analysis and Frequency-Domain analysis for Continuous-Time systems. It also covers Z-transform, state-space analysis and system synthesis. The author provides abundant examples and exercises to facilitate learning, preparing students for subsequent courses on circuit analysis and communication theory.

Weigang Zhang, Chang’an University, Xi’an, China

**SUBJECT** Electrical Engineering • Signal Processing

**READERSHIP**

- Engineering Undergraduates, Engineering Lecturers, Engineers, Electrical and Electronic Technicians, System Designers

**Textbook, English, May 2017**

**Series**

De Gruyter Textbook

Approx. 360 pp., 140 fig.

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eBook RRP € 49.95 / *US$ 57.99 / £ 40.99
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**VOLUME 2: IN DISCRETE TIME**

- Presents basic concepts and theories in signals and systems. Illustrates mathematical methods and their application in system analysis. Textbook allowing easy access to the topic.

The book begins by introducing signals and systems, and then discusses Time-Domain analysis and Frequency-Domain analysis for Continuous-Time systems. It also covers Z-transform, state-space analysis and system synthesis. The author provides abundant examples and exercises to facilitate learning, preparing students for subsequent courses on circuit analysis and communication theory.

Weigang Zhang, Chang’an University, Xi’an, China

**SUBJECT** Electrical Engineering • Signal Processing

**READERSHIP**

- Engineering Undergraduates, Engineering Lecturers, Engineers, Electrical and Electronic Technicians, System Designers

**Textbook, English, May 2017**

**Series**

De Gruyter Textbook

Approx. 360 pp., 140 fig.

Pb. RRP € 49.95 / *US$ 57.99 / £ 40.99

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**VOLUME 1+2: SET**

**Series**

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Approx. 360 pp., 140 fig.

Pb. RRP € 49.95 / *US$ 57.99 / £ 40.99

ISBN 978-3-11-054409-1

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**Nabil Derbel (Ed.)**

**SYSTEMS, ANALYSIS AND AUTOMATIC CONTROL**

Extended Papers from the Multiconference on Signals, Systems and Devices 2014

- Extended versions of awarded contributions of the International Conference on Systems, Analysis and Automatic Control, Barcelona 2014. It covers topics related to system design and modern control theory.


Nabil Derbel, Sfax, Tunisia

**SUBJECTS**

- Information Technology and Networks; Electrical Engineering • Control Engineering, Metrology and Testing; Electrical Engineering • Signal Processing

**READERSHIP**

Researchers and practitioners dealing with automatic control and system design.

**Monograph, English, October 2016**

**Series**

Advances in Systems, Signals and Devices 1

133 pp., 74 fig.

Pb. RRP € 59.95 / *US$ 84.00 / £ 44.99

ISBN 978-3-11-044376-9
Olfa Kanoun, Faouzi Derbel, Nabil Derbel (Eds.)

SENSORS, CIRCUITS AND INSTRUMENTATION SYSTEMS

The volume on Sensors, Circuits & Instrumentation Systems (SCI) is devoted to fields related to electronic and instrumentation systems. It includes topics on sensors and measurement systems, MEMS, NEMS, sensor signal processing, sensor interfaces, modeling, data acquisition, multi sensor data fusion, distributed measurements, analog circuit design, circuit test, impedance spectroscopy, wireless sensors, and energy harvesting.

Olfa Kanoun, Chemnitz

SUBJECTS Electrical Engineering • Control Engineering, Metrology and Testing; Electrical Engineering • Signal Processing
READERSHIP PhD, researchers, professionals in engineering and computer sciences

Specialist Text, English, March 2017
Series Advances in Systems, Signals and Devices 2

Approx. 103 pp., 61 fig.
Pb. RRP € 59.95 / US$ 68.99 / £ 49.99
ISBN 978-3-11-046819-9

Faouzi Derbel, Nabil Derbel, Olfa Kanoun (Eds.)

POWER SYSTEMS AND SMART ENERGIES

> Power Electrical Systems are an indispensable feature within the set-up, exploitation and diagnostics of electrical machines and energy resources. Extended versions of awarded contributions of the International Conference on PES, Barcelona 2014.

Power Systems & Smart Energies (PSE) is dedicated to the design, modeling, exploitation and diagnostics of electrical power systems and renewable energy sources. It covers topics in the area of power electrical engineering including, power electronic systems, power electronic converters, electrical machine design, monitoring and diagnostics, renewable energy systems, automotive power systems, smart grids, and distribution networks.

Faouzi Derbel, Leipzig

SUBJECTS Electrical Engineering • Energy Engineering; Electrical Engineering • Signal Processing
READERSHIP Researchers and practitioners dealing with electrical machines and sustainable energy.

Specialist Text, English, March 2017
Series Advances in Systems, Signals and Devices 3

Approx. 125 pp., 72 fig.
Pb. RRP € 59.95 / US$ 68.99 / £ 49.99
ISBN 978-3-11-044615-9

Faouzi Derbel, Olfa Kanoun, Nabil Derbel (Eds.)

COMMUNICATION, SIGNAL PROCESSING & INFORMATION TECHNOLOGY

> Extended versions of awarded contributions of the International Conference on Systems, Analysis and Automatic Control, Barcelona 2014. The contributions deal with signal processing, image processing, communication systems.

The volume is dedicated to fields related to design, modeling, fundamentals and application of communication systems, signal processing and information technology approaches. It covers topics in the area of communication systems, wireless communication, telecommunication systems, image and video compression algorithms, speech recognition, medical imaging, computational intelligence, cloud computing, and information technology.

Faouzi Derbel, Universität Leipzig

SUBJECTS Information Technology and Networks; Electrical Engineering • Control Engineering, Metrology and Testing; Electrical Engineering • Signal Processing; Mechanical Engineering • Mechatronics and Automotive
READERSHIP Researchers and practitioners dealing with automatic control and system design.

Monograph, English, March 2017
Series Advances in Systems, Signals and Devices 4

Approx. 141 pp., 47 fig.
Pb. RRP € 59.95 / US$ 68.99 / £ 49.99
ISBN 978-3-11-044616-6
Signal Processing is one of the most important specializations in engineering, and computer sciences. It derives input from physics, mathematics and is an indispensable feature of all natural- and life sciences in research and in application. The new series “Advanced Issues on Signals, Systems and Design” devotes to the most recent research. The first volume focuses on energy harvesting, nano- and molecular electronics.

Olfa Kanoun, University of Chemnitz, Germany.

**SUBJECTS** Electrical Engineering • Control Engineering, Metrology and Testing; Electrical Engineering • Signal Processing

**READERSHIP** PhD, researchers, professionals in engineering and computer sciences

**Monograph, English, December 2017**

**Series** Advances in Systems, Signals and Devices BAND

74 fig.

*Pb,* RRP € 59.95/US$ 84.00/£ 44.99

ISBN 978-3-11-044619-7

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Signal Processing significantly influences the progress of modern society. This book teaches a basic knowledge of communication technologies, as well as new developmental trends, enabling the reader to stay up to date in the field.

Natasa Zivic, University of Siegen, Germany.

**SUBJECT** Electrical Engineering • Signal Processing

**READERSHIP** Bachelor and Master students of electrical and communication engineering and computer sciences

**Monograph, English, August 2016**

**Series** De Gruyter Studium

473 pp., 200 fig.

*Pb,* RRP € 39.95/US$ 56.00/£ 29.99

ISBN 978-3-11-041337-3

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This book begins by explaining key concepts in programming, and elaborates on characteristic of class, including inheritance, derivation and polymorphism. It also introduces generic programming and Standard Template Library, I/O Stream Library and Exception Handling. The concepts and methods are illustrated via examples step by step, making the book an essential reading for beginners to C++ programming.

Li Zheng, Tsinghua University, Beijing, China

**SUBJECTS** Programming and Languages; Software Development; Introductions and Overviews • Basics and Tools

**READERSHIP** Students in computer science and engineering, Beginners in programming, Programmers

**Monograph, English, September 2017**

**Series** De Gruyter Textbook

Approx. 450 pp., 90 fig.

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Rainer Geisler

**INDUSTRIAL SOFTWARE APPLICATIONS**
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This book delivers knowledge and tools to apply, manage and create modern industrial Information systems in order to discuss on eye level with software vendors and internal IT-staff.

Rainer Geisler, University of Applied Sciences Kiel, Germany.

**SUBJECTS**
- Software Development; Introductions and Overviews
- Basics and Tools

**READERSHIP**
- For Master students of engineering, business administration, and professionals in IT management.

English, January 2015

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R. Rajesh, B. Mathivanan (Eds.)

**COMMUNICATION AND POWER ENGINEERING**

This conference proceedings compiled by IDES, the Institute of Doctors Engineers and Scientists, reports on latest research results in Communication system, Power Electronics and Power Engineering, including aspects of Control and Instrumentation, and discuss the practical challenges encountered and the solutions adopted.

R. Rajesh, Central University of Kerala, India;
B. Mathivanan, Sri Ramakrishna Engineering College, India

**SUBJECTS**
- Chemistry, other
- Electrical Engineering • Electronics; Electrical Engineering • Information Technology; Electrical Engineering • Energy Engineering

**READERSHIP**
- Scientists in energy techniques, communication technology, applied physics, computer scientists, and engineers.

Conference Report, English, October 2016

401 pp., 400 fig.

Pb, RRP € 79.95 /*US$ 112.00 /*£ 59.99

ISBN 978-3-11-046860-1

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Olfa Kanoun (Ed.)

**ENERGY HARVESTING FOR WIRELESS SENSOR NETWORKS**

Technology, Components and System Design

- Describes all important energy harvesting technologies for wireless energy-self-sufficient sensor networks Includes energy-saving concepts at the network level With state-of-the-art contributions from renowned scientists (IEEE)

This book describes the most important technologies for harvesting energy in energy-autonomous sensor networks. It comprehensively discusses key energy sources, including solar and vibrational energy, and also covers thermoelectric transformers, energy management, and energy transfer for sensor systems. The contributors are renowned scientists and members of the IEEE.

Olfa Kanoun, TU Chemnitz.

**SUBJECT**
- Electrical Engineering • Energy Engineering

**READERSHIP**
- Scientists, R&D workers in industry, students in relevant master’s level programs

English, December 2017

350 pp.

Pb, RRP € 89.95 /*US$ 103.99 /*£ 73.99

ISBN 978-3-11-044368-4
This book describes the main steps in developing a multi-physics simulation platform, representing the dynamics of a twin screw ship in six degrees of freedom. The interaction between the propulsion system and automation effects is also considered. The presented simulation methodology can be used in the preliminary ship design to analyse propulsion and control system action. Further applications can concern design optimization and crew training.

Michele Martelli, PhD, is lecturer at Genoa University. His research interests concern ship propulsion and numerical simulation.

This book is dedicated to research in the densification processes of wood waste and its mathematical description for uniaxial densification into compact solid Biofuels - briquettes. The publication shows the experimental strategy to determine the effects of individual parameters and specifies their impact on the resulting density of the briquettes. The book also provides the results of experiments on differing types of wood biomass.

Peter Krizan, Head of Manufacturing and Environmental Technology, IMSETQM, Bratislava

This book introduces image reconstruction technologies in tomography, including 2D parallel-beam and fan-beam imaging, 3D parallel ray, parallel plane, and cone-beam imaging, and uses case studies to illustrate mathematical expressions for each method. With a balanced combination of methodologies and applications, it is an essential reference for graduate students and engineers with electrical engineering and biomedical background.

Gengsheng Lawrence Zeng, Weber State University, Odgen, US
Gang Li, Liping Chang, Sheng Li

**SIGNALS AND SYSTEMS**

Fundamentals
Together with Tsinghua University Press

- Illustrates basic concepts in signals and systems in a concise way. Demonstrates mathematical nature of signals and systems. Designed to facilitate self-learning with PPTs and solutions to tutorials.

Signals and systems enjoy wide application in industry and daily life, and understanding basic concepts of the subject area is of importance to undergraduates majoring in engineering. With rigorous mathematical deduction, this introductory text book is helpful for students who study communications engineering, electrical and electronic engineering, and control engineering. Additionally, supplementary materials are provided for self-learners.

Gang Li, Liping Chang, Sheng Li, Zhejiang University of Science and Technology, Hangzhou, China.

**SUBJECT** Electrical Engineering • Signal Processing

**READERSHIP** Engineering undergraduates, engineering lecturers, engineers, electrical and electronic technicians, system designers.

**Textbook, English, September 2015**

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Thomas F. Mütsch, Matthias B. Kowalski

**SPACE TECHNOLOGY**

A Compendium for Space Engineering

- Instructive compendium with tables and coloured figures. Questions and answers after each chapter. Lists of important mathematical equations and formulae of orbital mechanics and rocket flights in the Appendix.

This compact work helps the reader understand and develop the theory and technology used in space exploration. After introducing the basic principles it discusses challenges regarding Energy Sources, Energy Storage and covers in detail Fuel Cells and Rocket Propulsions. The milestones of manned and unmanned mission are presented by fascinating historic examples.

Thomas F. Mütsch, Matthias B. Kowalski, Lindau.

**SUBJECTS** Mechanical Engineering • Thermodynamics; Mechanical Engineering • Mechatronics and Automotive

**Textbook, English, May 2016**

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Yasir Nawab (Ed.)

**TEXTILE ENGINEERING**

An introduction
With contrib. by Tanveer Hussain, Munir Ashraf, Abher Rasheed, Sheraz Ahmad, Zulfiqar Ali, Abdulbasit

- Comprehensive introduction to the basics of textile engineering for textile professionals, students, and teachers. Moreover, an introduction to raw materials, processes, quality control, and environmentally related issues and their solutions.

This book provides a basic knowledge of textile engineering. The processes involved in the production of textiles from raw materials to the finished products are described. Readers will be taught to select a specific raw material and process to produce a product with desired properties. Information on basic quality control parameters is included, as well.

Yasir Nawab, National Textile University, Faisalabad, Pakistan.

**SUBJECTS** Introductions and Overviews • Basics and Tools; Mechanical Engineering • Production Technology; Mechanical Engineering • Tools and Methods

**Textbook, English, July 2016**

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**THE SCIENCE OF INNOVATION**

A Comprehensive Approach for Innovation Management

- How to be an innovator using a scientific approach and principles of cognition theory. Construction kit for understanding and generation of innovations.

Each chapter of this book introduces practical methods for self-experience and finishes with short-cut rules and exercises. A major part of the book deals with different ways of scientific invention by problem solving, research, prognosis, and fantasy. At the end of each chapter, a digest of the content is given.

**SUBJECTS** Business Management • Entrepreneurship: Introductions and Overviews • Engineering, other: Introductions and Overviews • Basics and Tools: Business and Management

**READERSHIP** Für Studierende des Wirtschaftsingenieurwesens an Universitäten und Fachhochschulen.

**Textbook, English, July 2016**

Series
De Gruyter Textbook

228 pp., 54 fig.

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ISBN 978-3-11-034379-3

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**WIND ENERGY HARVESTING**

Micro-to-Small Scale Turbines

Basic design techniques are covered, as well as various fabrication techniques that can be used to manufacture cost-effective and efficient small scale wind turbines. Coverage of aspects related to materials science and engineering, as well as mechanical engineering, is included. Each chapter has solved numerical problems which are used as examples. Additional unsolved problems are provided at the end of each chapter.

**SUBJECTS** Mechanical Engineering • Energy Engineering; Materials for Energy; Technical and Applied Physics

**READERSHIP** Undergraduate and graduate students pursuing studies in Energy Technology, Industrial Engineers and Wind Energy Enthusiasts

**Textbook, English, December 2017**

Series
De Gruyter Textbook

Approx. 210 pp., 102 fig.

HC RRP € 69.95 / *US$ 80.99 / *£ 57.99
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eBook RRP € 70.00 / *US$ 80.99 / *£ 57.99
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**BIOMIMETIC NANOTECHNOLOGY**

Senses and Movement

- This book introduces biomimetic nanotechnology as it relates to human senses and movement. Biological molecules responsible for a sense or movement are presented and their application in artificial systems is discussed.

The human body includes very effective and efficient technology, such as light receptors (eyes), chemical receptors (tongue and nose), and movement (muscles). This book explains how these functions work on the molecular level and then discusses nanotechnology that uses the same structure-function relationships.

**SUBJECTS** Organic Chemistry; Biochemistry; Materials Sciences, other; Nanotechnology

**READERSHIP** Students studying Chemistry, Biology, Engineering, Bioengineering, and Materials Sciences.

**Textbook, English, May 2017**

Series
De Gruyter Textbook

Approx. 260 pp., 150 fig.

Pb. RRP € 59.95 / *US$ 68.99 / *£ 49.99
ISBN 978-3-11-037914-3
eBook RRP € 60.00 / *US$ 69.09 / *£ 49.99
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Gerhard Pfaff

INORGANIC PIGMENTS

- A comprehensive overview of all main types of inorganic pigments;
- Each chapter has a uniform structure based on a certain type of pigment;
- A set of questions is provided in the end of each chapter to test the understanding of the content.

The book provides a complete overview on inorganic pigments and their use in dye industry. Each chapter introduces a certain class of pigment in respect of fundamentals, manufacture, properties and toxicology and thus being very valuable for paint chemists and materials specialists. The readers will benefit from a concise and well-structured text, numerous examples and a set of test questions in the end of each chapter.

Prof. Dr. Gerhard Pfaff, Technische Universität Darmstadt, Germany

SUBJECTS Inorganic Chemistry; Materials Sciences, other; Functional, Smart Materials

READERSHIP Inorganic Chemists, Organic Chemists, Materials Scientists, Students, Researchers and specialists in dye industry.

Textbook, English, August 2017

Series

De Gruyter Textbook

320 pp., 250 fig.

Pb. RRP € 69.95 / *US$ 80.99 / *£ 57.99

ISBN 978-3-11-048450-2

eBook RRP € 70.00 / *US$ 805.99 / *£ 574.99
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Haim Abramovich

INTELLIGENT MATERIALS AND STRUCTURES

- Highly application-oriented approach to the field of intelligent materials and structures. Each chapter contains numerous figures and equations illustrating and explaining the topic.

This book provides insights into designing intelligent materials and structures for special application in engineering. The book discusses simulation and experimental determination of physical material properties, such as piezoelectric effects, shape memory, electro-rheology, and distributed control for vibrations minimization.

Haim Abramovich, Technion – Israel Institute of Technology, Haifa, Israel.

SUBJECTS Materials Sciences, other; Functional, Smart Materials; Technical and Applied Physics

READERSHIP Graduate students in Engineering, Applied Physics, and Materials Sciences. Beginners in industry.

Textbook, English, September 2016

Series

De Gruyter Textbook

386 pp., 200 fig.

Pb. RRP € 69.95 / *US$ 98.00 / *£ 52.99

ISBN 978-3-11-033801-0

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Dominick E. Fazarro, Walt Trybula, Jitendra Tate, Craig Hanks (Eds.)

NANO-SAFETY

What We Need to Know to Protect Workers

With contrib. by Ramazan Asmatulu, Donald Ewert, Barbara Foster, Charles Geraci, Andrew D. Maynard, Christie Sayes

- Nano-safety is an important topic with the addition of nanoparticles in many consumer products. Includes questions at the end of every chapter. Written by top scientists from academia and industry.

Nanotechnology safety is the practice of handling engineered nanomaterials in production and manufacturing. Good practice consists of understanding and interpreting Material Safety Data Sheets, behaving safely when working with yet unknown nanomaterials, understanding health effects, and proactively creating safety measures against potential hazards. This book introduces nanotechnology risk management to readers from academia and industry.

D. Fazarro, University of Texas and Tyler, USA.
W. Trybula, Austin, USA.
J. Tate and C. Hanks, Texas State University, USA.

SUBJECTS Safety and Risk Management; Industrial Chemistry, other; Nanotechnology

READERSHIP Students and Scientists in Materials Sciences, Nanotechnology, Chemistry, and Engineering.

Textbook, English, August 2017

Series

De Gruyter Textbook

Approx. 320 pp., 200 fig.

Pb. RRP € 69.95 / *US$ 80.99 / *£ 57.99

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eBook RRP € 70.00 / *US$ 805.99 / *£ 574.99
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### Tharwat F. Tadros
**NANODISPERSIONS**
- A concise and accessible overview of the nano-dispersions (nanosuspensions, nanoemulsions and microemulsions). Highly practical in approach, introducing briefly the science, followed by industrial applications.

Our book provides an introduction that covers nano-dispersions. Most often used in the Pharmaceutical, Food and Cosmetics industry, liposomes are used to carry drugs, peptides, proteins, vitamins, and other actives to specific target destinations (organs).

**SUBJECTS** Physical Chemistry, Substances and Products; Thin Films, Surfaces; Nanotechnology

**READERSHIP** Pharmaceutical Chemists, Materials Scientists, Chemists, Students.

**Textbook, English, November 2015**

**Series** De Gruyter Textbook

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### Raz Jelinek
**NANOPARTICLES**
- Multidisciplinary research topic. Nanoparticle applications range from electronics and photonics, to cosmetics, biological, and biomedical applications.

Nanoparticles presents the variety of nanoparticle families, structures, and functions. The book discusses nanoparticles made of semiconductors, metals, metal-oxides, organics, biological and hybrid constituents. Through a wealth of examples and case studies, readers that are not necessarily active or experts in this area acquire a broad overview of this exciting field at the interface between scientific research and practical technologies.

**SUBJECTS** Organic Chemistry; Polymer Science and Technology; Nanomaterials; Technical and Applied Physics

**READERSHIP** Chemists, Surface Scientists, Materials Scientists, Physical Chemists, Physicists, Engineers, and Students.

**Textbook, English, May 2015**

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### Lukas Schmidt-Mende and Jonas Weickert
**ORGANIC AND HYBRID SOLAR CELLS**
- Energy scarcity and solutions how to substitute conventional fuels is currently THE topic of the physical sciences. Polymer solar cells are an alternative for low-cost, light-weight, flexible, large area renewable energy production. Technology can be easily incorporated into existing infrastructures with minimal impact on land usage. To date more promising than ever candidates for commercialization.

With the increasing world-energy demand there is a growing necessity for clean and renewable energy. The sun being one of the most abundant potential sources accounts for less than 1% of the global energy supply. The market for solar cells is one of the most strongly increasing markets, even though the prize of conventional solar cells is still quite high. New emerging technologies, such as organic and hybrid solar cells have the potential to decrease the price of solar energy drastically. This book offers an introduction to these new types of solar cells and discusses fabrication, different architectures and their device physics on the bases of the author’s teaching course on a master degree level.

**SUBJECTS** Polymer Science and Technology; Materials for Energy; Materials Characterization; Technical and Applied Physics

**READERSHIP** Chemists, Solid-State Physicists, Materials Scientists and Engineers, Students.

**Textbook, English, May 2016**

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Modern Science is teamwork. But how can young academics go from being a productive member of a scientific team to leading their own? Entry level positions for PhDs in Science often require the infamous “people skills”. The authors aim to equip young academics with the right ideas and strategies for their scientific leadership development. Become a successful leader not with tricks, but the correct mindset, straightforward vision and teamwork.


SUBJECTS Chemistry, other; Industrial Chemistry, other; Materials Sciences, other; Physics, other

READERSHIP Young academics in Physical Sciences, Mathematics, PhDs, next generation of scientific leaders.

Textbook, English, November 2017

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Monica Ek, Göran Gellerstedt, Gunnar Henriksson, Royal Institute of Technology, Stockholm, Sweden.

SUBJECTS Organic Chemistry; Green and Sustainable Process Technology; Cellulose, Paper and Textiles; Materials Technology

READERSHIP Wood and paper industries, chemical industry, students and lecturers in wood science, forestry science and wood chemistry

Specialist Text, English, June 2016

471 pp., 350 fig.

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PAPER CHEMISTRY AND TECHNOLOGY

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Monica Ek, Göran Gellerstedt, Gunnar Henriksson, Royal Institute of Technology, Stockholm, Sweden.

SUBJECTS Organic Chemistry; Green and Sustainable Process Technology; Cellulose, Paper and Textiles; Materials Technology

READERSHIP Wood and paper industries, chemical industry, students and lecturers in wood science, forestry science and wood chemistry

Specialist Text, English, June 2016

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SUBJECTS Organic Chemistry; Green and Sustai
nable Process Technology; Cellulose, Paper and Textiles; Materials Technology

READERSHIP Wood and paper industries, chemical industry, students and lecturers in wood science, forestry science and wood chemistry

Paul Serban Agachi, Mircea Vasile Cristea, Alexandra Ana Csavdari, Botond Szilagyi

ADVANCED PROCESS ENGINEERING CONTROL

▶ Essential knowledge for every chemical engineer or process engineer. Case studies at the end of the book visualize the explained theory.

As a mature topic in chemical engineering, the book provides methods, problems and tools used in process engineering control. It is the ideal addition to the first volume Basic Process Engineering Control. It is written for students and graduates in chemical or process engineering and for chemical or process engineers in all industries.

Paul S. Agachi, Mircea V. Cristea, Alexandra A. Csavdari, Botond Szilagyi, University Babes-Bolyai, Cluj-Napoca, Romania.

SUBJECTS Chemical Engineering; Process Enginee
ring; Safety and Risk Management

READERSHIP Chemical Process Engineers, Chemical Engineers, Automation Engineers, Chemists, Students
The use of biomass as a resource for fuels and chemicals is a very important topic in chemical research and chemical industry. The field of biorefineries combines cutting-edge research with innovative industrial goals. This book presents the basic science and technologies used to convert terrestrial and aquatic biomass into fuels and chemicals. The value chain for biomass conversion into platform molecules and their transformation into final products are presented in detail.

**SUBJECTS**
- Organic Chemistry
- Chemical Engineering
- Green and Sustainable Process Technology
- Biotechnology

**READERSHIP**
- Chemists
- Chemical Engineers
- Materials Scientists
- Students

**Textbook, English, August 2015**

**Series**
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Dmitry Yu. Murzin

**CHEMICAL REACTION TECHNOLOGY**

▶ Presents key technologies for production of fuels, base and specialty chemicals, and intermediates. Addresses thermodynamics, kinetics, mass transfer, separation, environmental and economic issues.

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**SUBJECTS** Organic Chemistry; Chemical Engineering; Reaction Engineering

**READERSHIP** Chemical Process Engineers, Chemical Engineers, Chemists, Materials Scientists, Students.

Textbook, English, May 2015

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Thomas M. Klapötke

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**SUBJECTS** Inorganic Chemistry; Explosives, Propellants and Pyrotechnics; Materials for Energy; Technical and Applied Physics

**READERSHIP** Advanced students of chemistry, materials science, engineering, military technology

Textbook, English, October 2015

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Daniela Zander, Wolfgang Dietzel, Andrej Atrens

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**SUBJECTS** Physical Chemistry; Chemical Engineering; Corrosion

**READERSHIP** Materials Scientists, Chemical Engineers, Chemical Process Engineers, Electrochemists, Mechanical Engineers, Chemists, Students.

Textbook, English, November 2017

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Alfons Vogelpohl

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Alfons Vogelpohl, University Clausthal, Clausthal-Zellerfeld, Germany.

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Textbook, English, January 2015

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Seema Agarwal, Matthias Burgard, Andreas Greiner, Joachim Wendorff

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A Practical Guide to Nanofibers

The practical guide to manufacturing nanofibers Step by step instructions for students and practitioners

Nanofibers with specific properties, designed for various applications e.g. textiles, membranes, reinforcement, catalysis, or biomedical use are of great interest to scientists and industry. The most promising technique for their production, electrospinning, uses an electrical charge to draw fibers from liquids. Techniques to produce cross-linked, patterned, aligned, or three-dimensional materials are explained with regard to practical usage.

Seema Agarwal, Matthias Burgard, and Andreas Greiner University of Bayreuth, Germany. Joachim Wendorff, University of Marburg, Germany.

SUBJECTS Polymer Science and Technology; Polymers; Materials Technology; Nanotechnology
READERSHIP Students in Materials Sciences, Chemistry and Physics.

Textbook, English, March 2016

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Tharwat F. Tadros

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Tharwat F. Tadros, Wokingham, UK.

SUBJECTS Physical Chemistry; Chemical Engineering; Detergents; Clinical Medicine Pharmacology, Toxicology
READERSHIP Chemists, Chemical Engineers, Physicists, Materials Scientists and Engineers

Textbook, English, March 2016

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Mohammad H. Keshavarz, Malek-ashtar University of Technology, Iran; Thomas M. Klapötke, LMU Munich, Germany

SUBJECTS Physical Chemistry; Chemical Engineering; Explosives, Propellants and Pyrotechnics; Materials Properties

READERSHIP Chemical Engineers, Chemists, Materials Scientists, Researchers in Pyrotechnique, Mining, Oil, Civil Engineering Industry

Textbook, English, July 2017

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Thierry Meyer. Ecole Polytechnique Fédérale Lausanne, Switzerland; Genserik Reniers, University of Antwerp, Belgium.

SUBJECTS Chemical Engineering; Process Engineering; Safety and Risk Management; Industrial Chemistry, other

READERSHIP Chemical Process Engineers, Chemical Engineers, Chemists, Students

Textbook, English, May 2016

Series

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Tharwat F. Tadros, Wokingham, UK.

SUBJECTS Physical Chemistry; Process Engineering; Substances and Products; Materials Properties

READERSHIP Chemists, Chemical Engineers, Physicists, Materials Scientists and Engineers

Textbook, English, September 2016

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PDF ISBN 978-3-11-045238-9
ePUB ISBN 978-3-11-045240-2
Along with the first volume on “Industrial Chemistry” this book discusses, illustrates and explains many of the major chemical processes performed by industry, looks at how transformations affect the quality of our lives, examines the various types of waste produced as necessary products are developed and marketed, and shows techniques and practices in which many industries have made strides to improve or “green” specific chemical processes.

Mark Anthony Benvenuto, University of Detroit Mercy, Detroit, USA.

SUBJECTS Chemical Engineering; Green and Sustainable Process Technology; Process Engineering

READERSHIP Chemists, Chemical Process Engineers, Chemical Engineers, Materials Scientists, Students.

Textbook, English, January 2015

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De Gruyter Textbook

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Industrial Organic Chemistry examines all major industrial manufacturing technologies and reaction types with a focus on organic chemistry. In particular, the author introduces bio-sources for each class of compounds and compares bio-based organic chemicals to the corresponding petro-based materials. Each chapter includes a discussion on supplementary important topics, such as process selectivity, waste management, product purification, etc.

Mark Anthony Benvenuto, University of Detroit Mercy, Detroit, USA.

SUBJECTS Environmental Chemistry; Organic Chemistry; Process Engineering; Substances and Products

READERSHIP Organic Chemists, Industrial Chemists, Chemical Engineers, Materials Scientists, Students.

Textbook, English, August 2017

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Mark Anthony Benvenuto

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Mark Anthony Benvenuto, University of Detroit Mercy, Detroit, USA

SUBJECTS Inorganic Chemistry; Solid State Chemistry; Green and Sustainable Process Technology; Process Engineering
READERSHIP Chemists, Chemical Process Engineers, Chemical Engineers, Materials Scientists, Students

Textbook, English, June 2016

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Tharwat F. Tadros, Wokingham, UK.

SUBJECTS Detergents; Polymer Science and Technology; Polymers
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Textbook, English, May 2017

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Michael Kleiber

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Michael Kleiber, ThyssenKrupp Uhde GmbH, Bad Soden, Germany.

**SUBJECTS**

Catalysis; Chemical Engineering; Process Engineering

**READERSHIP**

Chemical Process Engineers, Chemical Engineers, Chemists, Materials Scientists, Students

Textbook, English, October 2016

Series

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André B. de Haan

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An Introduction

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André B. de Haan, Delft University of Technology, Delft, The Netherlands.

**SUBJECTS**

Organic Chemistry; Chemical Engineering

**READERSHIP**

Aimed for students, chemical engineers, chemists, biochemists, materials scientists and employees in industry.

Textbook, English, April 2015

Series

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Jan Harmsen

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Jan Harmsen, Harmsen Consultancy BV, Nieuwerkerk aan den IJssel, Netherlands.

**SUBJECTS**

Plant Design; Process Engineering; Process Intensification; Unit Operations

**READERSHIP**

Chemical Engineers, Chemical Process Engineers, Chemists, Biochemists

Textbook, English, September 2017

Series

De Gruyter Textbook

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Process intensification leads to decreasing production costs, increasing product quality and high sustainability within the production process. One of the main topics in chemical engineering is process intensification, which aims for increasing efficiency and sustainability of (bio-)chemical production processes. This book presents strategies for improving fluid separation such as reactive distillation, reactive absorption and membrane assisted separations. The authors discuss computer simulation, model development, methodological approaches for synthesis and the design and scale-up of final industrial processes.

Philip Lutze and Andrzej Górać, Technical University Dortmund, Dortmund, Germany.

Subjects  Chemical Engineering; Process Engineering; Process Intensification; Unit Operations

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Textbook, English, July 2016
INDUSTRIAL CHEMISTRY

Tharwat F. Tadros

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_Tharwat F. Tadros_, Wokingham, UK.

**SUBJECTS** Detergents; Pharmaceuticals; Polymers

**READERSHIP** Chemical Engineers, Pharmaceutical Chemists, Materials Scientists, Chemists, Students thereof.

*Textbook, English, February 2017*

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_Emin Taner Elmas_, SISTEMAS, Izmir, Turkey

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*Textbook, English, October 2017*

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Frank Rösch (Ed.)

VOLUME 2: MODERN APPLICATIONS

With contrib. by Daniele Panetta, Michael Steppert, Tobias L. Ross, Sönke Szidat, Cathy S. Cutler, Alberto Del Guerra, Christoph Düllmann, Klaus Eberhardt, Norman Edelstein, Heinz Gäggeler, Gert Langrock, Thomas Moenius, Lester Morss, Frank Rösch, Werner Ruehm, Norbert Trautmann, Clemens Walther, Klaus Wendt, Peter Zeh

> State-of-the-art literature to teach the modern applications of nuclear chemistry. Recent knowledge presented by leading experts.

Modern applications of nuclear chemistry concern various scientific disciplines, such as high-sensitive, high-selective, and non-destructive analytical technologies, pharmaceutical and medical research with state-of-the-art non-invasive molecular diagnosis as well as with patient-individual treatment, and nuclear energy. This book also discusses the issues waste managements and environmental aspects.

Frank Rösch, University of Mainz, Germany.

SUBJECTS Analytical Chemistry; Inorganic Chemistry; Nuclear Chemistry; Physical Chemistry
READERSHIP Students in chemistry and radio medicine; beginners in industry.

Textbook, English, August 2016

Series
De Gruyter Textbook

595 pp., 338 fig.

Pb. RRP € 89.95/US$ 126.00/£ 67.99
ISBN 978-3-11-022185-5

eBook RRP € 89.95/US$ 126.00/£ 67.99
PDF ISBN 978-3-11-022186-2
ePUB ISBN 978-3-11-039049-0

Michael Binnewies, Robert Glaum, Marcus Schmidt, Peer Schmidt

CHEMICAL VAPOR TRANSPORT REACTIONS


This comprehensive handbook covers the diverse aspects of chemical vapor transport reactions from basic research to important practical applications. The book begins with an overview of models for chemical vapor transport reactions and then proceeds to treat the specific chemical transport reactions for the elements, halides, oxides, sulfides, selenides, tellurides, pnictides, among others.

Michael Binnewies, Robert Glaum, Marcus Schmidt, Peer Schmidt.

SUBJECTS Inorganic Chemistry; Solid State Chemistry
READERSHIP Chemists in academia and industry, advanced students of chemistry with focus on solid state chemistry

Specialist Text, English, June 2016

642 pp., 272 fig., Zahlr. Abb. und Tab. 1 Frontispiz

Pb. RRP € 29.95/US$ 29.95/£ 22.99
ISBN 978-3-11-048349-9
Detlev Möller

CHEMISTRY FOR ENVIRONMENTAL SCIENTISTS

Written also for non-chemists such as geologists, ecologists, climatologists, biologists, engineers etc. Complementing the standard literature on atmosphere, soil, rock sphere, water, and environmental processes.

This book presents the fundamentals of chemistry in light of their importance for the environment and environmental processes. The comprehensive discussion is structured in three parts: the first part is introducing the theory of physical chemistry, the second part is evaluating elements and compounds, and the third part is presenting principles of environmental chemistry.

Detlev M. Möller, Brandenburg Technical University, Cottbus, Germany.

SUBJECTS Environmental Chemistry; Sustainable and Green Chemistry; Physical Chemistry

READERSHIP Students in environmental chemistry, meteorology, geology, ecology, biology and engineering.

Textbook, English, September 2015

Series
De Gruyter Textbook

394 pp., 67 fig.
Ph. RRP € 69.95 / *US$ 88.00 / *£ 52.99
ISBN 978-3-11-040999-4
eBook RRP € 700.00 / *US$ 980.00 / *£ 525.99
PDF ISBN 978-3-11-041001-3
ePUB ISBN 978-3-11-041933-7

Jinsong Zhou (Ed.)

HISTOCHEMISTRY

Introduces theoretical science and advanced techniques of Histochemistry. Demonstrates abundant experiments for readers to further understand the theory. Suitable for both graduate students and researchers in biochemistry.

This book systematically illustrates theories and technologies in Histochemistry, including different kinds of enzymes, immunohistochemistry, polymerase chain reaction, related electron microscopic cytochemical techniques as well as the quantitative assay metrology. Abundant experiments as well as vivid images are demonstrated, making the book an essential reference for both graduate students and researchers in biochemistry.

Jinsong Zhou, Xi’an Jiaotong University, Shannxi Province, China

SUBJECTS Biochemistry; Pharmaceutical and Medicinal Chemistry

READERSHIP Graduate students and researchers in biochemistry.

Textbook, English, May 2017

Series
De Gruyter Textbook

Approx. 232 pp., 35 fig.
Ph. RRP € 59.95 / *US$ 68.99 / *£ 49.99
ISBN 978-3-11-052482-6
eBook RRP € 600.00 / *US$ 690.99 / *£ 492.99
PDF ISBN 978-3-11-053139-8
ePUB ISBN 978-3-11-053181-7

Giancarlo Cravotto, Diego Carnaroglio (Eds.)

MICROWAVE CHEMISTRY

Microwave Chemistry as key factor in chemical synthesis, catalysis, sustainable, environmental and analytical chemistry. Novel applications: synthesis in nanomaterials and nanoparticles. Highlight: Tips and Tricks for experimental procedures.

Microwave Chemistry changed the way to work in chemical laboratories and is an established state-of-the-art technology to accelerate and enhance chemical processes. Intended to not only give an overview on the technology, its historical development and theoretical background, it also presents the exceptionally broad spectrum of applications. This book aims to enable graduate students and scientists to learn and apply the methods successfully.

Giancarlo Cravotto, University of Turin, Italy
Diego Carnaroglio, Milestone Srl, Italy

SUBJECTS Inorganic Chemistry; Organic Chemistry; Heat and Mass Transfer; Process Intensification

READERSHIP Students and Researchers in Chemistry, Chemical Engineering, Materials Sciences.

Textbook, English, September 2017

Series
De Gruyter Textbook

370 pp., 250 fig.
Ph. RRP € 69.95 / *US$ 80.99 / *£ 57.99
ISBN 978-3-11-047992-8
eBook RRP € 700.00 / *US$ 805.99 / *£ 574.99
PDF ISBN 978-3-11-047999-3
ePUB ISBN 978-3-11-048002-3
Interfaces between bulk media usually are the reaction sites dominating the macroscopic properties of the entire system. Understanding self-organization of molecules at interfaces and their properties is thus crucial in colloid and interface science. This book covers theories for describing molecules at interfaces, presents spectroscopic techniques to experimentally determine molecular properties, as well as computational methods for simulation.

Hubert Motschmann and Matthias Hofmann, University of Regensburg, Germany.

SUBJECTS Analytical Chemistry; Physical Chemistry; Soft Matter; Thin Films, Surfaces
READERSHIP Students in chemistry (especially physical chemistry), physics, materials sciences, and nanotechnology.

Textbook, English, September 2017

Series De Gruyter Textbook
Approx. 310 pp., 300 fig.
Pb. RRP € 69.95 /*US$ 80.99 /*£ 57.99
ISBN 978-3-11-045248-8
eBook RRP € 70.00 /*US$ 80.99 /*£ 57.99
PDF ISBN 978-3-11-045250-1
ePUB ISBN 978-3-11-045256-3

“Organic Trace Analysis” presents the basics of trace analysis, from sample preparation to the measurement: Students are introduced to statistical evaluation, quality control technologies, sampling and preparation of organic traces, as well as to enrichment and separation of samples. Spectroscopic techniques as chromatography, capillary electrophoresis, mass spectrometry, and receptor-based bioanalysis are presented in detail.

Reinhard Nießner, TU Munich, Germany.
Andreas Schaeffer, RWTH Aachen University, Germany.

SUBJECTS Analytical Chemistry; Organic Chemistry; Pharmaceutical and Medicinal Chemistry; Spectroscopy
READERSHIP Students in Chemistry, Pharmacy, Toxicology, Environmental Sciences, Food Chemistry, and Materials Sciences.

Textbook, English, May 2017

Series De Gruyter Textbook
Approx. 310 pp., 200 fig.
Pb. RRP € 59.95 /*US$ 68.99 /*£ 49.99
ISBN 978-3-11-044114-7
eBook RRP € 60.00 /*US$ 69.99 /*£ 49.99
PDF ISBN 978-3-11-044115-4
ePUB ISBN 978-3-11-043293-0

Dendrimers are highly symmetric, branched macromolecules. Since their discovery in 1978 various improvements to synthetic routes, convergent and divergent methods, led to a huge variety of compounds with manifold applications. This book focuses on dendrimers for analytical applications and discusses synthesis strategies as well as physical properties of the resulting molecules.

Metin Tülü and A. E. Bozdogan, Yıldız Technical University, Istanbul, Turkey.
Ali Serol Ertürk, Adiyaman University, Adiyaman, Turkey.

SUBJECTS Organic Chemistry; Macromolecular Chemistry; Physical Chemistry; Materials Sciences, other
READERSHIP Scientists in Organic Chemistry, Macromolecular and Polymer Chemistry, Physical Chemistry and Materials Scientists.

Textbook, English, July 2017

Series De Gruyter Textbook
410 pp., 100 fig.
Pb. RRP € 69.95 /*US$ 98.00 /*£ 52.99
ISBN 978-3-11-031782-4
eBook RRP € 70.00 /*US$ 98.00 /*£ 52.99
PDF ISBN 978-3-11-031783-1
ePUB ISBN 978-3-11-038210-2
Viktor Magdolen, Christian P. Sommerhoff, Hans Fritz, Manfred Schmitt (Eds.)

KALLIKREIN-RELATED PEPTIDASES

VOLUME 1: CHARACTERIZATION, REGULATION, AND INTERACTIONS WITHIN THE PROTEASE WEB

Evolution of the KLK system in human and rodents Genomic and protein structure of KLKs KLK gene regulation

The KLK proteins and their encoding genes are increasingly attracting attention among scientists and clinicians worldwide as they represent interesting and functionally distinct biomarkers both under physiological and pathophysiological conditions. This volume on kallikrein-related peptidases (KLKs) reviews the characterization, regulation, and interactions of these proteases within the protease web.

Viktor Magdolen, Christian Sommerhoff, Hans Fritz, Manfred Schmitt, Munich, Germany.

Andrew Franklin

ACTIVATION-INDUCED DEAMINASE

On the Targeting Mechanism of AID to the Immunoglobulin Loci

Work in the pre-AID era as the setting for a breakthrough Major advances in understandings that have been made because of the discovery of AID Current status with outlook to address the major unresolved issues of AID biology

The mechanism of hypermutation, the process needed for B cell affinity maturation, is one of the last great mysteries in molecular biology. Activation-induced deaminase (AID) is absolutely required for hypermutation, but the mechanism by which it is recruited specifically to antibody-encoding genes remains enigmatic. This book summarizes the research on AID in the context of its central role in the affinity maturation of B cells.

Andrew Franklin, Berlin, Germany.

Przemyslaw Busse, Wlodzimierz Meissner

BIRD RINGING STATION MANUAL

Standard definitions of bird ringing methods Descriptions of effective procedures for field work

The methods used to track birds’ migratory patterns have changed significantly over the last decade. The authors describe in precise detail the standard equipment and routine procedures for the safe handling of two characteristic land birds – passerines and waders. The methodology presented in the book includes, among others, morphometric measurements, fat scoring and orientation tests.

Przemyslaw Busse and Wlodzimierz Meissner, University of Gdansk, Gdansk, Poland.

Monograph, English, March 2015

230 pp., 152 fig.

HC RRP € 99.95 / US$ 140.00 / £ 74.99

ISBN 978-3-11-045995-1

Specialist Text, English, June 2016

426 pp.

Pb. RRP € 19.95 / US$ 28.00 / £ 14.99

ISBN 978-3-11-048151-8
Harald Tschesche (Ed.)

**METHODS IN PROTEIN BIOCHEMISTRY**

- Compact reviews of new methods and techniques in protein chemistry and biochemistry
- Numerous practical examples
- Protocols highlighted in textboxes for rapid orientation
- Full colour layout

In this book, top researchers in the field of protein biochemistry describe modern methods to address the challenges of protein purification, folding and degradation. The significance of peptide purity for fibril formation, the use of target oriented peptide arrays, the design and application of protein epitope mimetics, and the structural resolving of the misfolding of mutant proteins enlarge are addressed.

Harald Tschesche, University of Bielefeld, Germany.

**SUBJECT** Biochemistry

**READERSHIP** Graduate students, post-docs and researchers in protein biochemistry

Specialist Text, English, June 2016

378 pp.

Pb. RRP € 19.95 /*US$ 28.00 /*£ 14.99

ISBN 978-3-11-048150-1

Ulrich Kück, Nicole Frankenberg-Dinkel (Eds.)

**BIOTECHNOLOGY**

- Comprehensive overview about white, green, red and blue biotechnology
- Biotechnology from traditional processes to modern technologies

This textbook presents processes, modern research and applications in white, red, green and blue biotechnology using a color-coded classification.

General introductions, concluding paragraphs, key terms, addressed problems, and recommended additional readings to each chapter are ideally suited for advanced graduate or master students and will also be a good reference for PhD students, physicians, engineers, attorneys.

Ulrich Kück, Nicole Frankenberg-Dinkel, University of Bochum, Germany.

**SUBJECT** Biotechnology

Textbook, English, September 2015

Series

De Gruyter Textbook

458 pp., 129 fig.

Pb. RRP € 49.95 /*US$ 70.00 /*£ 37.99

ISBN 978-3-11-034110-2

eBook RRP € 500.00 /*US$ 700.00 /*£ 375.99

PDF ISBN 978-3-11-034263-5
ePUB ISBN 978-3-11-038360-7

Viktor Magdolen, Christian P. Sommerhoff, Hans Fritz, Manfred Schmitt (Eds.)

**KALLIKREIN-RELATED PEPTIDASES**

**VOLUME 2: NOVEL CANCER-RELATED BIOMARKERS**

- Comprehensive overviews of the KLK system and its clinical relevance in a wide range of cancers
- KLKs as novel diagnostic, prognostic, or predictive biomarkers to tailor personalized cancer medicine

This volume on kallikrein-related peptidases (KLKs) reviews the role of these proteases as biomarkers in a wide range of malignancies including cancers of the lung, prostate, breast, ovary, kidney, stomach, and colon. It provides clinicians, physician scientists, and cancer researchers with in-depth overviews on the emerging clinical relevance of KLK protein or gene expression in these malignancies.

Viktor Magdolen, Christian Sommerhoff, Hans Fritz, Manfred Schmitt, Munich, Germany.

**SUBJECTS** Molecular Biology; Clinical Medicine

**READERSHIP** Researchers in Biochemistry, Molecular Biology, Molecular Medicine; Clinicians, Physician Scientists

Specialist Text, English, June 2016

241 pp.

Pb. RRP € 19.95 /*US$ 28.00 /*£ 14.99

ISBN 978-3-11-048153-2
Implication of Quality Control procedures on the quality of laboratory results and their practical impact on patient safety Practical QC situations and solutions

Every clinical laboratory devotes considerable resources to Quality Control. Recently, the advent of concepts such as Analytical Goals, Biological Variation, Six Sigma and Risk Management has generated a renewed interest in the way to perform QC. The objective of this book is to propose a roadmap for the application of an integrated QC protocol that ensures the safety of patient results in the everyday lab routine.

Jeremie M. Gras, Clinique St. Luc Bouge, Belgium.

SUBJECTS Clinical Medicine • Laboratory Medicine; Clinical Chemistry

READERSHIP Laboratory technologists, laboratory managers and directors, QC managers, internal and external auditors

Specialist Text, English, March 2017

Series Patient Safety 11

Approx. 205 pp., 20 fig.

Pb. RRP € 34.95/*US$ 40.99/*£ 28.99

ISBN 978-3-11-034617-6

Medical microbiology and its impact on patient safety

overview of the influence of microbiology laboratory errors upon patients, caregivers, community and environment the positive impact of Quality and Risk management and Proficiency Testing on preventing or reducing microbiology laboratory errors

The book examines the impact of laboratory errors and laboratory quality management of infectious diagnosis and patient safety. It describes how laboratories can address, correct, and prevent these errors.

Michael M. Noble, University of British Columbia, Vancouver, Canada.

SUBJECTS Clinical Medicine • Microbiology, Virology and Infection Epidemiology; Clinical Medicine • Laboratory Medicine; Clinical Medicine • Clinical Chemistry

READERSHIP Laboratory Medicine trainees, graduate students, physicians Infectious Disease, (Clinical) Pathologists, Public Health

Specialist Text, English, April 2017

Series Patient Safety 12

Approx. 205 pp., 10 fig.

Pb. RRP € 34.95/*US$ 49.00/*£ 26.99

ISBN 978-3-11-037104-8

Uniquely book about Appropriateness in Laboratory test requesting as part of Clinical Laboratory contribution to Patient Safety offers strategies to correct Inappropriateness in Laboratory test requesting

Inappropriateness in Laboratory test requesting by under or over requesting can greatly compromise the patient safety. Improving the appropriateness of test ordering behaviour through strategies is crucial to ensure the optimal contribution of the laboratory to clinical decision-making and patient safety.

Maria Salinas, Hospital Universitario San Juan de Alicante, Alicante, Spain.

SUBJECTS Clinical Medicine • Laboratory Medicine; Clinical Medicine • Clinical Chemistry

READERSHIP General Practitioners, Clinical Laboratory Medicine professionals and graduate students

Specialist Text, English, December 2016

Series Patient Safety 14

110 pp., 26 fig.

Pb. RRP € 34.96/*US$ 49.00/*£ 26.99

ISBN 978-3-11-037104-8
Suzanne Eggins, Diana Slade, Fiona Geddes (Eds.)

**EFFECTIVE COMMUNICATION IN CLINICAL HANDOVER**

*From Research to Practice*

With contrib. by Oswald Sonntag, Mario Plebani, Phillip Della, Dorothy Jones, Edward Steward-Wynne, John Walsh, Nayia Cominos, Jon Jureidini, Christy Pirone, Jeannette McGregor, Marian Lee, Jacqui Bear, Bernadette Watson, Elizabeth Manias

Unique practical tools directly derived from actual interactional data in contemporary hospital contexts. Authenticity of the examples and immediate applicability of the communication tools proposed.

This book gives valuable insights into the features of effective and ineffective clinical handovers in a variety of common hospital contexts. It provides practical, accessible and relevant protocols and checklists for dealing with a range of handover contexts.

Suzanne Eggins, University of Technology Sydney. Diana Slade, University of Technology Sydney. Fiona Geddes, Curtin University Perth.

**SUBJECTS** Clinical Medicine • Gynaecology and Obstetrics • Special Obstetrics and Perinatal Medicine

**READERSHIP** Obstetricians, Specialists in fetal medicine, Gynaecologists, Radiologists, Sonographers

Specialist Text, English, March 2016

367 pp., 22 fig.

Pb, RRP € 34.95 / *US$ 49.00 / *£ 26.99

ISBN 978-3-11-037886-3

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Rabih Chaoui, Kai-Sven Heling

**3D ULTRASOUND IN PREGNATAL DIAGNOSIS**

*A Practical Approach*

A practical guide to the application of 3D ultrasound in prenatal diagnostics. 3D ultrasound presented according to technical tools as well as to display organs more than 500 pictures in high quality.

Initially known for its beautiful images of the faces of babies, 3D ultrasound has become an important tool in prenatal diagnosis for its ability to image fetal organs in normal and abnormal conditions. This book is a state-of-the-art work conceived as a practical guide to the application of 3D ultrasound in obstetrics. It is illustrated with more than 500 images reflecting the clinical utility of 3D ultrasound in prenatal diagnosis.


**SUBJECT** Clinical Medicine • Gynaecology and Obstetrics • Special Obstetrics and Perinatal Medicine

**READERSHIP** Obstetricians, Specialists in fetal medicine, Gynaecologists, Radiologists, Sonographers

Specialist Text, English, September 2016

301 pp., 460 fig.

HC RRP € 69.95 / *US$ 89.00 / *£ 52.99

ISBN 978-3-11-049651-2

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Hans-Ludwig Spohr

**FETAL ALCOHOL SYNDROME**

In Childhood and Adulthood

With contrib. by Gela Becker, Florian Heinen, Mirjam Landgraf, Manuela Nagel, Jan-Peter Siedentopf, Betteke Maria van Noort

In collab. with Heike Wolter

Transl. by Betteke Maria van Noort

The only comprehensive book about the fetal alcohol syndrome (FAS) includes guidelines and case studies. Useful for doctors, midwives, workers in child protection agencies, parents and foster parents.

This book presents a detailed description of fetal alcohol syndrome as well as fetal alcohol spectrum disorders with respect to their clinical presentation, diagnosis, epidemiology, and pathogenesis. It also includes detailed considerations of underlying psychopathology, prevention, and therapy as well as the social consequences and impacts to patients.


**SUBJECTS** Clinical Medicine • Gynaecology and Obstetrics • Special Obstetrics and Perinatal Medicine; Clinical Medicine • Psychiatry, Psychotherapy

**READERSHIP** General practitioners, pediatricians, midwives, staff in youth services and employment agencies, parents and foster parents

Specialist Text, English, September 2017

Approx. 264 pp., 95 fig.

HC RRP € 99.95 / *US$ 114.99 / *£ 81.99

ISBN 978-3-11-044207-6
**LABORATORY DIAGNOSTIC PATHWAYS**

Clinical Manual of Screening Methods and Stepwise Diagnosis

- Groundbreaking work for standardization, quality assurance, and rationalization in clinical practice
- Provides diagnostic algorithms jointly developed by laboratory physicians and clinicians based on international guidelines

This book offers 70 diagnostic algorithms for screening methods as well as for the stepwise diagnosis of the most common symptoms and diseases, enabling a structured diagnostic process. These laboratory diagnostic pathways are accompanied by information on pathophysiology, preanalytical measures, implementation, and interpretation of results.

*Walter Hofmann, München; Johannes Aufenanger, Ingolstadt; Georg Hoffmann, Grafrath.*

**NEW HORIZONS IN PATIENT SAFETY: UNDERSTANDING COMMUNICATION**

Case Studies for Physicians

- Case studies of real patient safety events
- Evidence-based interdisciplinary insights
- Communication lessons for safer, higher quality care

This case studies book is a unique, practical, cutting-edge, indispensable go-to resource for physicians and educators in medicine. Each case study is framed by learning objectives, an evaluation section, thought-provoking discussion questions and references to further readings. The book is conveniently organized along the continuum of medical care delivery, providing quick access to ad-hoc solutions in safety- and quality-compromised situations.

*Annegret F. Hannawa, Lugano, Switzerland; Albert Wu, Robert D.O. Juhasz, USA.*

**PRE-EXAMINATION PROCEDURES IN LABORATORY DIAGNOSTICS**

Preanalytical Aspects and their Impact on the Quality of Medical Laboratory Results

- Up-to-date requirements and advice regarding preanalytical quality
- Information on technical innovations in diagnostics industry
- For clinicians, nurses and laboratory professionals on measures to control preanalytical errors

The preanalytical phase is an important component of laboratory medicine and errors arising in this phase affect the validity of laboratory results. In this book, physicians and clinical staff have access to valuable information about the current preanalytical variables and factors (patient preparation, sample collection, handling and processing before analysis).

*Walter Guder, München, Germany; Sheshadri Narayanan, Cornell University, New York, USA.*

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**SUBJECT** Clinical Medicine; Laboratory Medicine

**READERSHIP** Doctors and scientists in laboratory medicine and/or clinical chemistry

**Specialist Text, English, September 2016**

231 pp., 87 fig.

HC RRP: € 89.95 / *US$ 126.00 / £ 67.99

ISBN 978-3-11-045367-6

**SUBJECT** Basic Medical Science; Basic Medical Science, other

**READERSHIP** Physicians of all disciplines in Medicine

**Specialist Text, English, March 2017**

Approx. 258 pp., 3 fig.

HC RRP: € 79.95 / *US$ 91.99 / £ 65.99

ISBN 978-3-11-045300-3

**SUBJECTS** Clinical Medicine; Laboratory Medicine; Clinical Medicine; Clinical Chemistry

**READERSHIP** Clinicians, nurses and laboratory professionals (phlebotomists, technicians, academic staff)

**Specialist Text, English, August 2015**

424 pp., 70 fig.

HC RRP: € 99.95 / *US$ 140.00 / £ 74.99

ISBN 978-3-11-033165-3
Irena Roterman-Konieczna (Ed.)

SIMULATIONS IN MEDICINE
Pre-clinical and Clinical Applications

- Instructs on how to use and interpret simulations, from the molecular level to the whole body
- Explains basic principles underlying biomedical processes
- Closes the gap between biological and virtual phenomena

This book describes biological and medical phenomena and how they can be virtually simulated by breaking them down into basic principles. It introduces a wide spectrum of applications, from molecules, tissues, and organs up to the whole body, with a focus on how to use and interpret these simulations. The book is complemented by topics such as serious games and distance medicine.

Irena Roterman-Konieczna, Jagiellonian University, Krakow, Poland.

SUBJECTS Basic Medical Science • Basic Medical Science, other; Clinical Medicine • Clinical Medicine, other

READERSHIP Medical students in pre-clinical and clinical phases; students of bioinformatics and computer science; instructors

Monograph, English, October 2015

348 pp., 247 fig.
Pb. RRP € 69.95 / US$ 98.00 / £ 52.99

Sergio Canavero (Ed.)

TEXTBOOK OF CORTICAL BRAIN STIMULATION

- Functional Neurosurgery Brain Stimulation Neurmodulation
- Cortical Brain Stimulation has emerged as a brand new, cutting-edge option for the treatment of intractable neurological and psychiatric disorders. Devoid of the mortality and disabling morbidity that may accompany deep brain stimulation, stimulating the cortex with a minimally invasive surgical approach proved its worth for Central pain, Parkinson Disease, Dystonia, Stroke and Coma rehabilitation, Epilepsy, Depression and Tinnitus.

Sergio Canavero, Director of the Turin Advanced Neurmodulation Group, Turin, Italy

SUBJECTS Clinical Medicine • Neurosurgery; Clinical Medicine • Anaesthesiology; Clinical Medicine • Psychiatry, Psychotherapy

READERSHIP Functional Neurosurgeons; Pain Therapists; Movement Disorders Neurologists; Psychiatrists

Collection, English, January 2015

294 pp., 69 fig.
HC RRP € 99.95 / US$ 140.00 / £ 74.99

Ralph Panos, William Eschenbacher

A COPD PRIMER

- Chronic obstructive pulmonary disease (COPD), Chronic bronchitis, Emphysema

COPD Primer is a practical overview of COPD management from recognition and diagnosis to end of life care. We describe the identification of airflow obstruction by spirometry and COPD’s historical, physical examination, and radiographic findings, natural history, phenotypes, systemic manifestations, and psychosocial effects.

Ralph J. Panos, University of Cincinnati School of Medicine, Cincinnati, USA; William Eschenbacher, Cincinnati VA Medical Center, USA

SUBJECTS Clinical Medicine • Internal Medicine • Internal Medicine, other; Clinical Medicine • Internal Medicine • Pneumology

READERSHIP Medical professionals: physicians, fellows, residents, nurses, respiratory therapists, pharmacists, psychologists

Textbook, English, February 2016

412 pp., 65 fig.
HC RRP € 139.95 / US$ 196.00 / £ 104.99

ISBN 978-3-11-046799-4

eBook OPEN ACCESS
PDF ISBN 978-3-11-046800-7
ePUB ISBN 978-3-11-046811-3
Fredrik Engelstad, Anniken Hagelund  
(Eds.)

**COOPERATION AND CONFLICT THE NORDIC WAY**

Work, Welfare, and Institutional Change in Scandinavia

- Scandinavian welfare models, intriguing theoretical approaches, work-life policies and implications

This book scrutinizes Nordic – in particular Norwegian – working life and welfare states from the perspective of institutional change. The analyses range from property rights, boardroom politics and wage formation to old-age pensions, care work and childcare policies.

Fredrik Engelstad, University of Oslo, Norway; Anniken Hagelund, Institute for Social Research, Oslo, Norway

**SUBJECTS** Sociology • Social Structures, Social Interaction, Population, Social Anthropology; Sociology • Labor, Trade Unions; Sociology • Social Policy, Social Work, Development Aid; Sociology • Sociology, other

**READERSHIP** Scholars from sociology, economics, political science and social policy.

Monograph, English, January 2016

310 pp., 7 fig.

HC RRP € 99.95 / *US$ 140.00 / *£ 74.99

ISBN 978-3-11-044427-8

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Paolo Inghilleri, Giuseppe Riva, Eleonora Riva

**ENABLING POSITIVE CHANGE**

Flow and Complexity in Daily Experience

- Positive Psychology; Social Psychology; New Media Communication

The book describes promotion and fostering of positive psychological change in everyday life, focusing on the concept of Flow of Consciousness – an experience of subjective psychological wellbeing that nourishes and complexifies the Self. The authors propose a wide overview of positive psychological experience, considering individual characteristics, the influence of context, culture, social relationships, and new technologies environments.

Paolo Inghilleri, M.D., University of Milan; Giuseppe Riva, Ph.D., Catholic University of Milan; Eleonora Riva, Ph.D., University of Milan

**SUBJECTS** Sociology • Culture; Psychology • Psychology, other; Psychology • Applied Psychology

**READERSHIP** Professionals and students in psychology, social sciences and humanities; teachers; politicians

Monograph, English, March 2015

222 pp., 26 fig.

HC RRP € 69.95 / *US$ 98.00 / *£ 52.99

ISBN 978-3-11-042006-7

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Elena Martín-Monje, Elena Bárčena (Eds.)

**LANGUAGE MOOCS**

Providing Learning, Transcending Boundaries

This pioneering book presents initial analysis of the theoretical and methodological issues underlying LMOOCs and gives empirical evidence of their potential for the development of language communicative competences. It offers a broad view of LMOOC research with respect to the geographical and institutional origin of its authors and on the heterogeneous nature of their academic backgrounds, as well as suggesting directions for future development.

Elena Martín-Monje, Universidad Nacional de Educación a Distancia (UNED), Madrid, Spain; Elena Bárčena, Universidad Nacional

**SUBJECTS** Applied Linguistics • Language Teaching and Learning; Applied Linguistics • Applied Linguistics, other; Education • Education, other

**READERSHIP** The book will be appealing for researchers and postgraduate students in MA and PhD programmes related to

Monograph, English, January 2015

185 pp., 18 fig.

HC RRP € 69.95 / *US$ 98.00 / *£ 52.99

OPEN SOURCE ARCHAEOLOGY
Ethics and Practice

This edited volume is designed to discuss important issues around open access to data and software in academic and commercial archaeology, as well as to summarise both the current state of theoretical engagement, and technological development in the field of open-archaeology.

Andrew T. Wilson, University of Liverpool
Ben Edwards, Manchester Metropolitan University

SUBJECTS
Topics in History • Theory and Methods; Anthropology • Archeological Anthropology
READERSHIP
Archaeologists, students, Archaeological companies now using open-source software

Monograph, English, November 2015

THE CHALLENGE OF MINORITY INTEGRATION
Politics and Policies in the Nordic Nations

Peter A. Kraus, Peter Kivisto

How is solidarity achieved in highly diverse societies – particularly those that have been until recently characterized by relatively homogeneous populations? What are the implications of growing levels of diversity on existing social arrangements? These two fundamental questions are explored in this edited collection, which examines the challenges of minority integration in four Nordic countries: Denmark, Finland, Norway, and Sweden.

Peter A. Kraus, Augsburg University, Augsburg, Germany; Peter Kivisto, Agustana College, Rock Island, USA

SUBJECT
Sociology • Sociology of Migration
READERSHIP
Scholars from sociology, political science and social policy.

Monograph, English, July 2015

POLITICAL PARTIES IN THE DIGITAL AGE
The Impact of New Technologies in Politics

Guy Lachapelle, Philippe Maarek (Eds.)

The Internet and “social media” may initially have been understood as just one more instrument politicians could employ to manage without political parties. However, these media cannot be reduced to being a tool available solely to politicians. The electronic media make reinforcement of the “globalization” of the public/political sphere, a process already set in motion with the advent of television, and they can develop the trend even further.

Guy Lachapelle (Concordia University, Montréal); Philippe J. Maarek (University Paris East – UPEC)

SUBJECT
Political Science • Domestic Policy, Parties, Other Political Organizations
READERSHIP
Students in Political Science, Government, Public Policy; Students in Communications, Public Relations

Textbook, English, June 2015
Lothar Böhnisch, Wolfgang Schröer

**SOCIAL WORK**
A problem-oriented introduction

This book provides a basic introduction to social work. It discusses the ambiguities of social work, looking at its historical and social developments and facing the challenges of the 21st century. The authors examine and discuss the thematic and methodological field of social work within the concept of Reflexive Modernism and thus give fresh impetus to the discipline.

Prof. Dr. Wolfgang Schröer (University of Hildesheim); Prof. Dr. Lothar Böhnisch (Free University of Bozen-Bolzano)

**SUBJECTS** Sociology, Social Policy, Social Work, Development Aid; Sociology • Sociology, other

**READERSHIP** Students, social workers, teachers, and researchers into educational science, sociology and social work

**Textbook, English, November 2016**

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Norman Schofield

**THE POLITICAL ECONOMY OF DEMOCRACY AND TYRANNY**

One theme that has emerged from the recent literature on political economy concerns the transition to democracy: why would dominant elites give up oligarchic power? This book addresses the fundamental question of democratic stability and the collapse of tyranny by considering a formal model of democracy and tyranny. The formal model is used to study elections in developed polities such as the United States, the United Kingdom, the Netherlands, Canada, and Israel, as well as complex developing polities such as Turkey. The key idea is that activist groups may offer resources to political candidates if they in turn adjust their polities in favor of the interest group. In polities that use a “first past the post” electoral system, such as the US, the bargaining between interest groups and candidates creates a tendency for activist groups to coalesce; in polities such as Israel and the Netherlands, where the electoral system is very proportional, there may be little tendency for activist coalescence. A further feature of the model is that candidates, or political leaders, like Barack Obama, with high intrinsic charisma, or valence, will be attracted to the electoral center, while less charismatic leaders will move to the electoral periphery.

**SUBJECT** Political Science • Political Science, other

**READERSHIP** This title is part of the series Oldenbourg’s Politics, Philosophy and Economics, edited by Manfred J. Holler and Hanna Nurmi.

**Textbook, English, January 2008**

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Herrington J. Bryce

**NONPROFITS AS POLICY SOLUTIONS TO THE BURDEN OF GOVERNMENT**

This book focuses on a specific subset of nonprofits, chartered to decrease the burden of government. Engaging NPOs to relieve the burden of government requires both an understanding of specific governmental burdens and corporate tax exempt law. This book covers those topics while teaching readers how to gauge an NPO’s ability to finance its goals without resource dependence on the government, and how to protect NPO assets against corruption.

Dr. Herrington J. Bryce, Professor, College of William and Mary, USA

**SUBJECTS** Business Management • Management, Organization, Corporate Governance; Business Management • Corporate Social Responsibility (CSR), Compliance Management, Business Ethics; Business Management • Business Development, Change Management, Cooperations; Business Management • Industries • Non Profit Organizations (NPO), Foundations, Charities, Associations

**READERSHIP** Managers, Government Policy Managers, Startup Entrepreneurs, Financial Managers, Nonprofit Organizations.

**Monograph, English, January 2017**

---
Thomas Rudolph, Felix Brunner

**TOWARD CROSS-CHANNEL MANAGEMENT**
A Comprehensive Guide for Retail Firms

- Outstanding holistic management approach
- Only book on the topic that is suitable for both retailers and manufacturers around the world
- Valuable insights for academics and practitioners

In the age of cross-channel commerce, successful firms must identify, develop, and implement the right cross-channel services to attract and satisfy their target customers. This book aims to assist multi-channel players to increase their company’s performance and enhance their overall value proposition by showing how to select the appropriate cross-channel strategy and how to establish synergies between online and offline channels.

**Dr. Felix Brunner** (Migros Genossenschaftsbund, Zurich); **Prof. Dr. Thomas Rudolph** (University of St. Gallen)

**SUBJECT** Business Management • Industries • Retail, Service Industry, Skilled Crafts and Trades

**Specialist Text, English, January 2015**

84 pp., 30 fig.

HC RRP € 64.95 / US$ 91.00 / £ 48.99

**Mark Sebastian**

**TRADING OPTIONS FOR EDGE**
Profit from Options and Manage Risk like the Professional Trading Firms

Many people have some knowledge of trading strategies, but have no idea how to pull it all together. Mark Sebastian’s latest book teaches trade evaluation, using Greeks, portfolio-building, and risk management. Sebastian’s approach will help traders build their own personal Goldman Sachs or Merrill Lynch. Trading Options for Edge teaches readers how to structure a portfolio that makes more money with less risk.

**Mark Sebastian** Option Pit Founder, Chicago, Illinois, USA.

**SUBJECTS** Political Economics • Economic Theory, Systems and Structures; Political Economics • Public Finance and Fiscal Theory; Business Management • Management Accounting, Financial Controlling, Cost Calculation, Investment; Business Management • Business Management, other

**READERSHIP** Options Traders, those studying or familiar with options or derivatives, those interested in trading.

**Monograph, English, April 2017**

Approx. 200 pp., 15 fig.

Pb. RRP € 39.00 / US$ 44.99 / £ 31.99

**Robert Nothhelfer**

**FINANCIAL ACCOUNTING**
Introduction to German GAAP with exercises

- Includes exercises, case studies and multiple choice questions for practice
- Ideal textbook for students of German Universities attending English-speaking lectures in financial management

This introduction to German financial accounting provides ideal support for German-speaking students taking English-speaking lectures in the field. The first part of the book offers a compact introduction to financial statements according to German GAAP; the second part comprises exercises on individual topics with solutions, case studies, and multiple choice questions for in-depth and effective learning.

**Prof. Dr. Robert Nothhelfer** (Pforzheim University of Applied Sciences)

**SUBJECTS** Business Management • Management Accounting, Financial Controlling, Cost Calculation, Investment; Business Management • Financial Reporting, Group Accounting, Accounting and Balancing

**READERSHIP** Students of financial management and exchange students in Germany

**Textbook, English, October 2017**

**Series**

De Gruyter Textbook

Approx. 250 pp.

Pb. RRP € 39.95 / US$ 45.99 / £ 32.99

**Robert Nothhelfer**

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Introduction to German GAAP with exercises

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**Textbook, English, October 2017**

**Series**

De Gruyter Textbook

Approx. 250 pp.

Pb. RRP € 39.95 / US$ 45.99 / £ 32.99
Mario Glowik

MARKET ENTRY STRATEGIES

Internationalization Theories, Concepts and Cases of Asian High-Technology Firms: Haier, Hon Hai Precision, Lenovo, LG Electronics, Panasonic, Samsung, Sharp, Sony, TCL, Xiaomi

- Completely remodeled into a textbook for the new edition Only textbook on Market Entry Strategies on the market

This textbook discusses the most important theories of internationalization, including Product Life-Cycle, Internalization, Location, International New Venture concepts, and others. These models are grounded to a considerable extent in the Transaction Cost Theory and the Resource-Based View as explained in the book. Relevant market entry strategies are explained in light of crucial determinants of international business decision making.

Prof. Dr. Mario Glowik (Berlin School für Economics and Law)

SUBJECT Business Management • Marketing, Sales, Customer Relations

READERSHIP Internationally oriented bachelor’s, master’s and MBA programs in the field of business studies with focus on marketing.

Textbook, English, March 2016

Richard Hofmaier

MARKETING, SALES AND CUSTOMER MANAGEMENT (MSC)

An Integrated Overall B2B Management Approach

- Detailed description of relevant methods and tools needed for integrated marketing, sales and customer management (B2B) Presentation of the application and implementation of MSC strategies, programs and methods Sustainable guidelines

This work concisely presents methods for integrated marketing, sales, and customer management, and is orientated to practice and implementation. It sketches a modern and forward-looking marketing approach for domestic as well as international small, mid-sized, and large firms in the B2B market.

Prof. Dr. Richard Hofmaier (University of Applied Sciences, Munich)

SUBJECT Business Management • Marketing, Sales, Customer Relations

READERSHIP Managers and experts in MSC departments, students in business administration and management programs

Textbook, English, May 2015

Thomas Wolke

RISK MANAGEMENT

Basics and specific issues of risk management With special focus on the aftereffects of the financial crisis

The book offers a combination of the basic knowledge needed over the long term plus current, specific risk issues, and includes practical applications based on quantitative examples. It thus offers an integrated model of corporate risk management and is useful for undergraduate and graduate students as well as young professionals in the field.

Prof. Dr. Thomas Wolke (Hochschule für Wirtschaft und Recht Berlin)

SUBJECT Business Management • Management Accounting, Financial Controlling, Cost Calculation, Investment

READERSHIP undergraduates and graduates worldwide in business administration or economics; young professionals

Textbook, English, September 2017
A basic guide to human rights issues in the wider domain of "culture" Developed by ARCult Media in the context of Wroclaw – European Capital of Culture 2016 7 overview articles and over 120 keyword entries, written by 95 experts

Developed in the context of Wroclaw – European Capital of Culture 2016, this basic guide to cultural issues in the domain of human rights addresses – in 7 introductory articles and over 100 keyword-entries – legal questions and political consequences related to freedom of, and access to, the arts, (old/new) media and heritage; religious and language rights; the protection of minorities; safeguarding cultural diversity; and other relevant topics.

Nicole Elert, PWC Legal, Düsseldorf; Christopher T. Brooks, East Stroudsburg University of Pennsylvania, USA.

Nils Krause (Ed.)

SHAREHOLDER ACTIVISM
A Practitioner’s Handbook

Addressed key questions with respect to shareholder activism With a special focus on shareholder activism in the United States, the UK, Germany and Japan

In recent years shareholder activism has increased, becoming a more mainstream way of pressuring companies to effect certain changes to maximize shareholder value. The current economic market and the resulting scrutiny surrounding management’s ability to effectively lead a company have resulted in an increasing awareness of corporate governance issues. As more activists make their agendas publicly known, management and corporate advisors, as well as shareholders, are becoming better equipped to handle such challenges.

Nils Krause, DLA Piper UK LLP, Hamburg.

Specialist Text, English, October 2017

Approx. 320 pp.

HC RRP £ 99.95 / US$ 114.99 / € 81.99
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