MOS-SIAM Series on Optimization

YOU ARE INVITED TO CONTRIBUTE

If you are interested in submitting a proposal or manuscript for publication in the series or would like additional information, please contact:

Prof. Thomas Liebling
School of Basic Sciences
EPFL Mathematics Institute
Office MA A1 417
Station 8
1015 Lausanne, Switzerland
Thomas.Liebling@epfl.ch

or

Sara J. Murphy
Series Acquisitions Editor
SIAM
3600 Market Street, 6th Floor
Philadelphia, PA 19104-2688 USA
+1-267-350-6371
Fax: +1-215-386-7999
murphy@siam.org

Submission procedures, details about SIAM's book publishing process, and other vital information are available from SIAM.

SIAM publishes quality books with practical implementation at prices affordable to individuals.
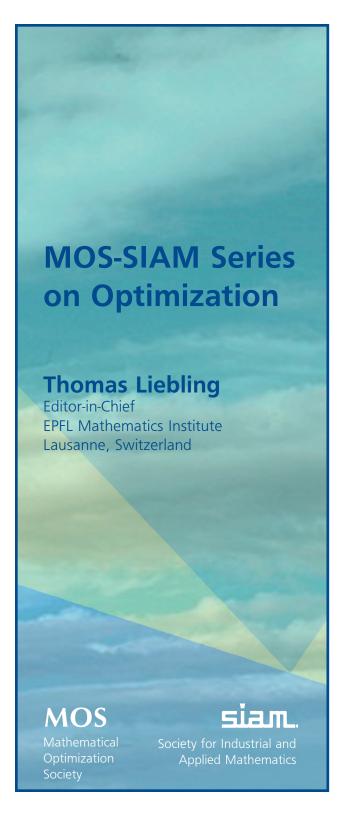
More information about the series can be found at *www.siam.org/books/series/mo.php.*

Complete information about SIAM and its book program can be found at *www.siam.org.*

Information about MOS can be found at *www.mathopt.org.*

siam

Society for Industrial and Applied Mathematics
3600 Market Street, 6th Floor
Philadelphia, PA 19104-2688 USA
+1-215-382-9800 • Fax +1-215-386-7999
siam@siam.org • *www.siam.org*

07-10

MOS-SIAM Series on Optimization

Thomas Liebling
Editor-in-Chief
EPFL Mathematics Institute
Lausanne, Switzerland

MOS
Mathematical
Optimization
Society

siam
Society for Industrial and
Applied Mathematics

VISION STATEMENT

To promote, through written publications and electronic media, a broad range of works characterized by the highest scientific quality in the field of optimization.

SERIES FOCUS

The MOS-SIAM Series on Optimization covers the entire spectrum of optimization. We welcome traditional research monographs, books on applications, textbooks at all levels, and tutorials. Specific application areas might include such fields as aerospace design, molecular biology, chemical process control, logistics/transportation science, manufacturing, or telecommunications. The aim of such books should be to increase communication between disciplinary specialists in the application area and optimization specialists. Textbooks are especially welcome, as the health of the profession depends on training the next generation of specialists. To this end, our goal is to expand the available selection for undergraduate and graduate optimization courses.

To be considered for the series, a manuscript must advance the understanding and practice of optimization. It must also be clearly written and at an appropriate level. The content must be of high scientific quality.

SIAM BOOK PROGRAM

MISSION STATEMENT

- Actively seek to publish excellent works of interest to students, professional applied mathematicians, engineers, and scientists.
- Engage in continued assessment of the focus of the series and the new and evolving needs of the constituencies served.
- Solicit, through promotions at scientific meetings, ongoing advertising, and personal contact, authors who are experts in topics fitting the focus of the series and who can effectively communicate their expertise to the intended audience. Research monographs must appeal to a broad market, and all books must contribute to the financial success of the series.
- Editorially assist authors in developing effective modes of written, visual, quantitative, and computational communication.
- Aggressively promote the series.
- Monitor production costs so the series can be widely affordable.

BENEFITS OF PUBLISHING IN THE SERIES

Marketing

SIAM develops a specific marketing plan for each book and works closely with authors to market their books aggressively worldwide. About 40% of our book sales originate outside the United States. SIAM combines affordable prices with extensive efforts to reach foreign and local markets via direct mail; space ads; extensive Internet marketing, including SIAM's own website and relationships with online retailers such as Amazon.com and Barnes & Noble; and displays at exhibitions, workshops and conferences worldwide. SIAM also works closely with Cambridge University Press, our distribution partner for areas outside North America.

SIAM books are promoted to our more than 11,000 members and our entire database of more than 100,000 mathematicians. In addition, we promote to members of many other technical and scientific societies and individuals interested in applied mathematics. SIAM has cooperative arrangements for marketing its publications to other societies and organizations around the world.

Pricing

All books are priced to be affordable to individuals.

Support of the Profession

When you support SIAM's book program, either as an author or as a customer, you play an important part in SIAM's mission to promote, advance, and provide programs and media for the applied mathematics and computational science communities.

Quality Control

Our full-time copy editors are familiar with mathematical notation and proofread all manuscripts.

Staff Experience and Flexibility

Our staff is well versed in TEX and other systems and works with authors to accommodate individual needs such as special formatting or graphics.

Personal Attention

Because we publish a limited number of books per year, our staff is able to work closely with every author and editor.

Author Royalty

Author royalties are competitive with those offered by other publishers. In addition, authors receive complimentary copies of their book for personal and promotional use.

Shelf Life

All books remain in print until they are replaced by an updated edition.

Distribution

Books are shipped directly from the SIAM office. Buyers outside North America may also order through SIAM's distribution partner, Cambridge University Press at *www.cambridge.org/siam.*

BOOKS PUBLISHED IN THE SERIES

Lectures on Stochastic Programming: Modeling and Theory

Alexander Shapiro, Darinka Dentcheva, and Andrzej Ruszczyński

Introduction to Derivative-Free Optimization

Andrew R. Conn, Katya Scheinberg, and Luis N. Vicente

Linear Programming with MATLAB

Michael C. Ferris, Olvi Mangasarian, and Stephen J. Wright

Variational Analysis in Sobolev and BV Spaces: Applications to PDEs and Optimization

Hedy Attouch, Giuseppe Buttazzo, and Gérard Michaille

Applications of Stochastic Programming

Stein W. Wallace and William T. Ziemba, Editors

The Sharpest Cut: The Impact of Manfred Padberg and His Work

Martin Grötschel, Editor

A Mathematical View of Interior-Point Methods in Convex Optimization

James Renegar

Lectures on Modern Convex Optimization: Analysis, Algorithms, and Engineering Applications

Aharon Ben-Tal and Arkadi Nemirovski

Trust Region Methods

A.R. Conn, N.I.M Gould, and Ph. L. Toint