



Writing for ASM International

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For a complete list of ASM publications including handbooks,
technical books, atlases, and data compilations, visit:

www.asminternational.org

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About ASM International

ASM International was founded in 1913 as the American Society for Metals. Today, ASM is the world's largest association of metals-centric materials scientists and engineers with over 20,000 members and 80+ professional chapters worldwide. ASM is dedicated to informing, educating and connecting the materials community to solve problems and stimulate innovation around the world.

What We Do

As a member and volunteer based organization, ASM International serves as a central resource that gathers the latest applied information from the field and disseminates it back to industry, academia and government through published content, classes, events and local chapter engagement.

How We Do It

By acting as a catalyst for vigorous professional activities, ASM International fuels a passionate sense of community, energizes members to aspire to new levels of success and satisfaction, advances the development of materials and ultimately elevates the importance of our professions.

Affiliate Societies of ASM International

- Electronic Device Failure Analysis Society (EDFAS)
- Failure Analysis Society (FAS)
- Heat Treating Society (HTS)
- International Metallographic Society (IMS)
- Shape Memory and Superelastic Technology (SMST)
- Thermal Spray Society (TSS)



Choose ASM International as Your Publisher

Technical book publishing is an important part of ASM International's function. With several hundred titles in print, ASM is one of the leading publishers of technical references.

Our books are used as sources of information for the various industries we support, and as reference works in engineering schools and universities worldwide.

ASM's primary outlet for digital publishing of books is the [ASM Digital Library](#), which provides discoverable, searchable, convenient, and interactive access to content in one unified delivery platform. Over 80 books are now published in the Digital Library.

For more information, contact: Karen Marken, Senior Managing Editor, Reference Content at +1.440.671.3894 or karen.marken@asminternational.org

Reasons to Write or Edit a Book

- Record and share your knowledge and experience.
- Serve your profession by advancing the understanding and practice in your area of expertise.
- Establish and enhance your professional reputation and broaden your range of contacts.
- Enhance your organization's reputation through development of an information resource.

Reasons to Write or Edit a Book with ASM International

- We have a worldwide reputation for quality and excellence in our publications, and offer over 100 years of experience as a publisher of engineering reference works.
- Your book project will benefit from review and feedback by the ASM Technical Books Committee—comprised of materials professionals representing a broad range of international industry and academic specialties.
- ASM offers very competitive terms for compensation of both authors and editors; terms are flexible and negotiable.
- ASM has unequalled marketing access to the professionals and institutions most likely to benefit from your work.
- Books included in the ASM Digital Library, the world's largest collection of information and data on the composition, structure, properties, processing, performance, and evaluation of engineering materials.

Key Attributes of Successful Technical Books

- The work is well-organized and user friendly.
- The treatment of the subject is authoritative and complete.
- The book offers hands-on guidance in an area of fundamental importance to the reader.
- The book provides practical information for problem solving.
- The book includes compelling unique features that are not otherwise available to the reader.

Topics for New Book Proposals

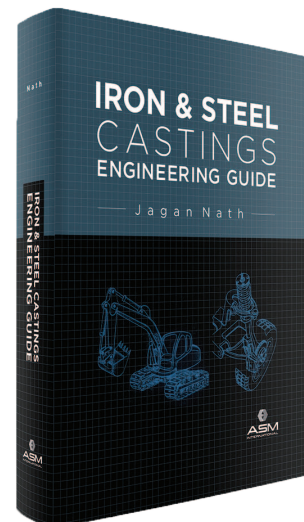
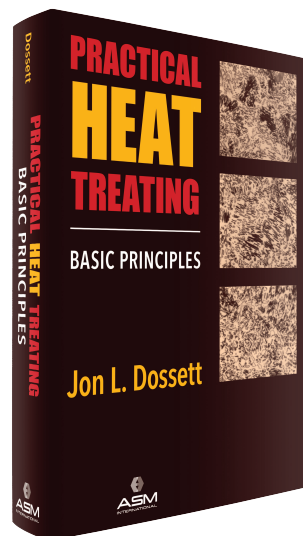
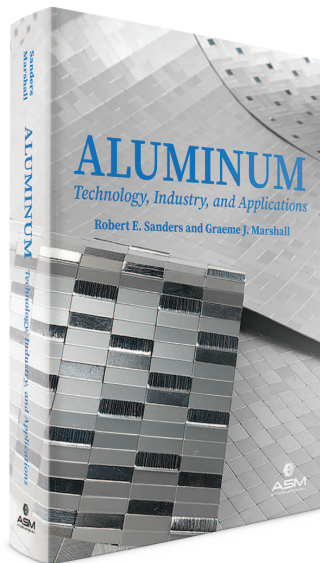
ASM welcomes proposals from authors for books on topics related to the selection, processing, evaluation, and application of engineering materials. We are especially interested in manuscripts that are practical in nature and offer the reader hands-on guidance.

Principal subject areas include:

- Additive manufacturing
- Archaeometallurgy
- Atlases of engineering graphs or data
- Casting
- Computational materials engineering
- Corrosion
- Data compilations
- Failure analysis
- Fatigue and fracture
- Ferrous metals
- Forming, forging, and other metalworking processes
- Friction and wear
- Heat treatment
- Machining
- Manufacturing processes
- Materials applications
- Materials for medical devices
- Materials property data and selection
- Materials testing and inspection
- Metal finishing and coating
- Metallography
- Materials for microelectronic devices
- Nonferrous metals
- Plastics, ceramics, and composites
- Reliability and maintenance
- Surface modification/engineering
- Sustainability
- Welding, brazing, and soldering

Best Selling Authored Books Published by ASM International

- *Aluminum: Technology, Industry, and Applications*, by Robert E. Sanders and Graeme J. Marshall
- *Practical Heat Treating: Basic Principles*, by Jon L. Dossett
- *Iron and Steel Castings Engineering Guide*, by Jagan Nath
- *Metallography of Steels: Interpretation of Structure and the Effects of Processing*, by Hubertus Colpaert
- *Metallurgy for the Non-Metallurgist*, Second Edition, edited by Arthur C. Reardon
- *Steels: Processing, Structure and Performance*, Second Edition, by George Krauss
- *Understanding How Components Fail*, Third Edition, by Donald J. Wulpi, edited by Brett Miller
- *Light Microscopy of Carbon Steels*, by L.E. Samuels



Submitting a Book Proposal to ASM International

We ask authors who are interested in publishing a technical book with ASM International to submit a book proposal. The proposal signals the author's serious intentions in regard to the book project, and it provides ASM with important information that it uses to evaluate the publication potential of the book.

The proposal should include the following sections:

General Description

Give a brief overview of the topic as you plan to cover it in the book. This section should answer the following questions: What is the subject of the book? At what technical level will the subject matter be addressed? Is the book intended to be a handbook, a general reference, a textbook? How will this book differ from others that are already available? What compelling and unique features will your book contain? A list of similar or competitive books (author, title, publisher, date of publication, price) is useful to include, if possible.

Intended Audience

To whom is this book directed? Define the audience that you think should be interested in your book in the terms that you think are most appropriate. For example, the intended audience can be classified in terms of technical profession (metallurgical, mechanical, manufacturing, research engineering), types of industries, and/or career or education level (technician, engineering, graduate level or Ph.D. research). You may also wish to include names of publications, journals, conferences, societies, and/or professional organizations that are relevant to this particular topic.

Outline and Manuscript Information

Provide a detailed outline that lists chapter titles and describes the main topics and organization of each chapter. The outline should indicate an estimated number of manuscript pages (8½ × 11 in., double-spaced typed) per chapter. Can the text be supplied as electronic files? Can a sample chapter be provided? A rough estimate of the number of photographs, line drawings, and tables per chapter is also useful. If you anticipate the need for ASM to redraw a significant number of hand sketched or poor-quality figures, please indicate the number of figures that might require such treatment.

Timetable

Give an estimate of how long it will take to prepare the manuscript for submission or provide a potential submittal date.

Biographical Information

Include a brief description of your education, work experiences, research interests, and publications. What is your background in the area of the book's subject matter? (We do not need to receive a complete curriculum vitae or list of publications—a brief summary will do.)

Reviewers

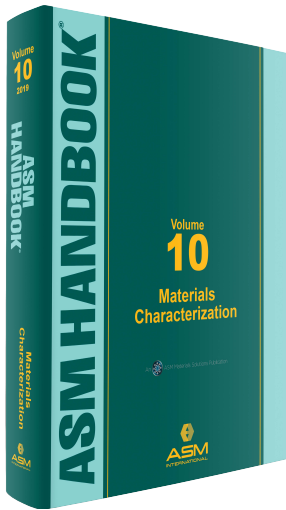
Provide names, addresses, and phone numbers of three persons who would be qualified to review the technical content and organization of your proposed book and to advise us on the need for a book in this area.

Manuscript Proposal Submission Process

1. After receipt of a proposal, ASM will review the proposal to make sure it contains all of the needed information.
2. ASM will then send the proposal to the ASM Technical Books Committee for review and comment (the author can also suggest reviewers.).
3. ASM evaluates the reviewer comments and business case for the book. ASM may suggest that the author make changes to the proposal based on the reviewer comments.
4. ASM will then develop a sales/cost projection for the book.
5. If ASM decides to move forward to publish the book, the author is sent a draft contract to review.

The manuscript proposal process takes approximately 4 – 6 weeks.

Writing for ASM Handbooks



Renowned as the authoritative source of information on ferrous and non-ferrous metals and materials technologies, The ASM Handbook Series is intended to be an authoritative, reliable reference tool for engineers, students, technicians, researchers, and others who need basic information about engineered materials.

ASM generally publishes two handbooks per year and continuously publish digital first articles and digital supplements throughout the year. The ASM Handbook Committee identifies subject areas where new handbooks are needed, or current handbooks that should be updated. Opportunities are available to author new articles, revise existing articles from a handbook being updated, or serve as a peer reviewer.

ASM's primary outlet for digital publishing of books is the [ASM Digital Library](#), which provides discoverable, searchable, convenient, and interactive access to content in one unified delivery platform. Over 80 books are now published in the Digital Library.

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Writing for the Handbook Audience

The typical handbook user is an engineer who needs selected background information or engineering data to help solve a particular problem. The presentation of handbook content should be accessible to a broad range of technically trained readers, even those without extensive knowledge of the particular subject area being addressed.

Writing a handbook article is slightly different from writing a journal article or technical report. As much as possible, articles should provide the basic fundamentals and consensus information on the technical state of the art. Reference books also are not read from cover to cover, so headings and subheads are used that point to the information.

Writing for *Advanced Materials & Processes* (AM&P)

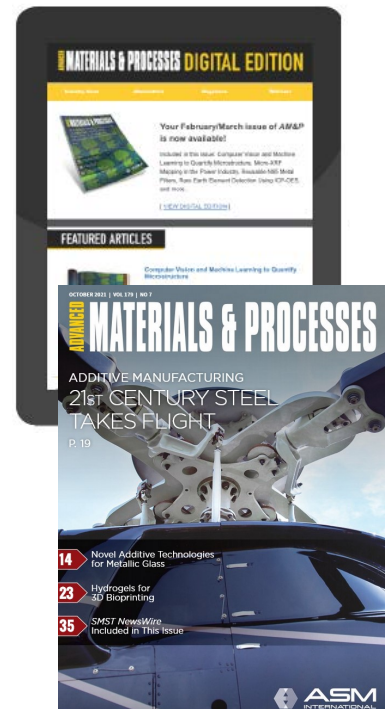
Advanced Materials & Processes (AM&P) is the flagship magazine from ASM International. AM&P publishes 8 issues per year in print and digital editions.

The editors of *Advanced Materials & Processes* magazine are open to submissions on all topics related to:

- Leading-edge developments and trends in engineering materials, including metals and alloys, engineering polymers, advanced ceramics, and composites
- The methods used to select, process, fabricate, test, and characterize them
- Emerging, potentially disruptive technologies, including nanotechnology artificial intelligence and robotics, data analytics and microscopy, advanced manufacturing, as well as materials for alternative energy.

The style is much shorter, less formal, and significantly less technical in comparison to traditional journal articles. We also limit references to no more than 20 per article due to space constraints.

AM&P content is also found in the expansive [ASM Digital Library](#).



Please refer to the following guidelines when preparing a manuscript for submission to AM&P.

Feature Article Guidelines for *Advanced Materials & Processes*

Feature articles in *Advanced Materials & Processes* generally range from 1500-2000 words with five or six supporting hi-resolution images (photos, graphs, charts, illustrations, etc.). Articles may also be shorter or longer as needed to convey the subject matter. Please submit all images as separate, hi-res (300 dpi) files, in addition to being included within the article. Please keep references to a minimum...no more than 20 if possible. Authors do not need to format articles in any way...a simple Word file is fine. We will format to our magazine style. Once we receive the article, we will “lightly” edit it to our magazine style and format, and then return to the author for a final review.

Deadlines

All articles are due two months in advance of publication date, according to the following example: An article scheduled to run in the September issue would be due by July 15.

Contact

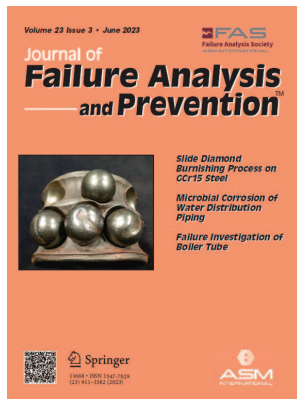
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Writing for ASM Journals

For author instructions, please follow the links below for each journal.

International Materials Reviews (IMR)

Jointly published by ASM International and IOM3 (UK), *International Materials Reviews* covers technologies affecting the metals, structural ceramics, composite materials and electronic materials industries. Topics range from actual usage to theory and practice of extraction, production, fabrication, properties and behavior of materials. Each issue contains critical reviews assessing years of research in a particular field. Comprehensive bibliographies provide the equivalent of a custom literature search at a fraction of the cost.

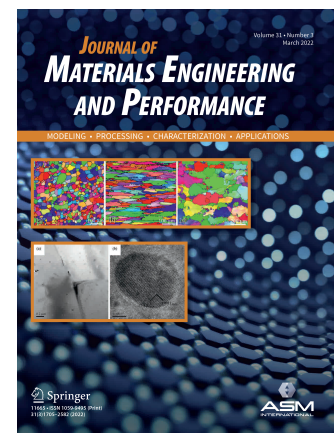


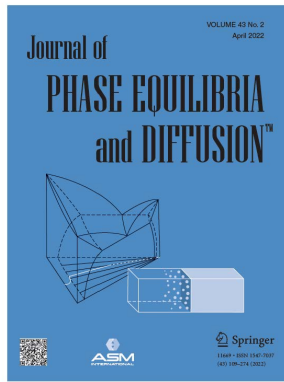
Journal of Failure Analysis & Prevention (JFAP)

Written for failure analysis practitioners with a range of experience, the *Journal of Failure Analysis and Prevention* highlights information-gathering techniques, technical analysis and emerging tools to assist in knowledge and skill development. The journal focuses on areas of failure analysis common to all industries, including failure analysis techniques, tests to prevent failures, cross-functional case histories, new equipment and processes, education and training information, field evaluation and sampling, lab reports, forensics and reviews of classic failures. Published by Springer. *The Journal of Failure Analysis and Prevention* is available online via [Springer](https://www.springer.com/journal/10018).

Journal of Materials Engineering and Performance (JMEP)

The *Journal of Materials Engineering and Performance* covers all aspects of materials selection, design, processing, characterization and evaluation, including how to improve materials properties through processes and process control of casting, forming, heat treating, surface modification and coating, and fabrication. Testing and characterization (including mechanical and physical tests, NDE, metallography, failure analysis, corrosion resistance, chemical analysis, surface characterization, and microanalysis of surfaces, features and fractures), and industrial performance measurement are also covered. Published by Springer. The *Journal of Materials Engineering and Performance* is available online via [Springer](https://www.springer.com/journal/10018).



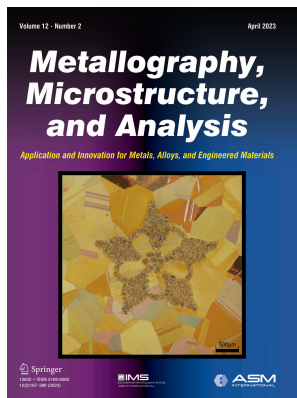


Journal of Phase Equilibria and Diffusion (JPED)

The *Journal of Phase Equilibria and Diffusion* is critically reviewed and covers the significance of phase diagrams as well as new research techniques, equipment, data evaluation, nomenclature, presentation, and other aspects of phase diagram preparation and use. Content includes information on phenomena such as kinetic control of equilibrium, coherency effects, impurity effects, and thermodynamic and crystallographic characteristics. Published by Springer. The *Journal of Phase Equilibria and Diffusion* is available online via [Springer](#).

Journal of Thermal Spray Technology (JTST)

A service of the ASM Thermal Spray Society (TSS), the *Journal of Thermal Spray Technology* covers all fundamental and practical aspects of thermal spray science, including processes, feedstock manufacture, and testing and characterization. The journal contains worldwide coverage of the latest research, products, equipment and process developments, and includes technical note case studies from real-time applications and in-depth topical reviews. Published by Springer. The *Journal of Thermal Spray Technology* is available online via [Springer](#).

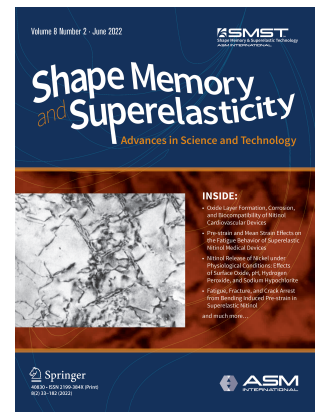


Metallography, Microstructure, and Analysis (MMA)

An official Journal of the ASM International Metallographic Society (IMS), *Metallography, Microstructure and Analysis* focuses on the art and science of preparing, interpreting, and analyzing microstructures in engineered materials, to better understand materials behavior and performance. The journal covers the methods of evaluation of metallic materials for use in the metals industry, including the aerospace industry, the automotive industry, and parts of the construction industry, and the results of those evaluations. Published by Springer. *Metallography, Microstructure and Analysis* is available online via [Springer](#).

Shape Memory and Superelasticity

Shape Memory and Superelasticity: Advances in Science and Technology is the official journal of the ASM International Organization on Shape Memory and Superelastic Technologies (SMST). The journal publishes original peer-reviewed papers that focus on shape memory materials research with contributions from materials science, experimental and theoretical mechanics, physics with cognizance of the chemistry, underlying phases, and crystallography. It provides a forum for researchers, scientists and engineers of varied disciplines to access information about shape memory materials. Published by Springer, *Shape Memory and Superelasticity: Advances in Science and Technology* is available online via [Springer](#).



For author instructions, please follow the links below for each journal.

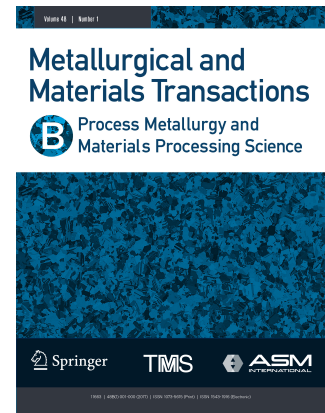


Metallurgical and Materials Transactions A (MetTransA)

For more than 50 years, *Metallurgical and Materials Transactions A* has been the premier journal in the field of physical metallurgy and materials science. The journal contains only critically reviewed and original research: the results of extensive field, plant, laboratory or theoretical investigation, or new interpretations of existing problems. A joint publication of ASM International and TMS (The Minerals, Metals and Materials Society), this journal covers mechanical behavior, alloy phases and structure, transformations, environmental interactions, physical chemistry and transport phenomena. Published by Springer. *Metallurgical and Materials Transactions A* is available online via [SpringerLink](#).

Metallurgical and Materials Transactions B (MetTransB)

A joint publication of ASM International and TMS (The Minerals, Metals and Materials Society), *Metallurgical and Materials Transactions B* publishes contributions bimonthly on the theoretical and engineering aspects of the processing of metals and other materials, including studies of electro- and physical chemistry, mass transport, modeling and related computer applications. Articles cover extractive and process metallurgy, pyrometallurgy, hydrometallurgy, electrometallurgy, transport phenomena, process control, physical chemistry, solidification, mechanical working, solid state reactions, composite materials, materials processing and the environment. Published by Springer. *Metallurgical and Materials Transactions B* is available online via [SpringerLink](#).



ASM Journal content is also found in the expansive [ASM Digital Library](#).

ASM Conferences and Expositions

Staying current is key to staying relevant, so ASM Conferences and Expositions cover the latest trends and developments in industries like heat treating, thermal spray, shape memory alloys, aerospace materials and more.

For information on how to submit an abstract for an upcoming event, visit [ASM International Events](#).

- **IMAT (Advanced Materials and Manufacturing Technologies)**

IMAT brings together materials experts and organizations for industry collaborators across all market sectors.

- **AeroMat**

AeroMat is the premier show for aerospace materials and applications.

- **ASM Heat Treating Society Conference and Exposition – HEAT TREAT**

Join innovators, influencers and decision makers in the heat treating industry from around the world.

- **ISTFA (International Symposium for Testing and Failure Analysis)**

ISTFA is the premier event for the microelectronics failure analysis community.

- **ITSC (International Thermal Spray Conference and Exposition)**

ITSC is the world's foremost international conference and exposition for thermal spray technologists, researchers, manufacturers and suppliers.

- **SMST (Shape Memory and Superelastic Technologies)**

SMST brings together a diverse group of worldwide experts active in the field of shape memory and superelastic materials.

Become a Peer Reviewer for ASM International

Volunteer peer reviewers are an important component to the ASM International publishing process. ASM provides peer-reviewed content for ASM Handbooks and some technical books.

Peer reviewers are asked to review article manuscripts in their area of expertise. Reviewers are requested to assess the quality, accuracy, completeness, and usefulness of technical content in the manuscript. The review should clearly specify what technical additions or changes are necessary, and any suggested additions or changes that would be desirable.

Typical questions a peer reviewer is asked include:

- Does the work provide useful reference information for engineering practice? If not, is there additional content that would make the work more useful? Please explain.
- What is your overall opinion of the strengths and weaknesses of this article?
- What is your overall rating of this work? Excellent, Good, Adequate, Poor, Unacceptable
- Are changes or corrections necessary? Detailed (line by line) markups of the manuscript may be provided, or you may provide details or narrative instructions to the authors.

If you are interested in becoming a peer reviewer, please contact:

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