



Handbook of Optomechanical Engineering (Optical Sciences and Applications of Light)

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Good optical design is not in itself adequate for optimum performance of optical systems. The mechanical design of the optics and associated support structures is every bit as important as the optics themselves. Optomechanical engineering plays an increasingly important role in the success of new laser systems, space telescopes and instruments, biomedical and optical communication equipment, imaging entertainment systems, and more. This is the first handbook on the subject of optomechanical engineering, a subject that has become very important in the area of optics during the last decade. Covering all major aspects of optomechanical engineering - from conceptual design to fabrication and integration of complex optical systems - this handbook is comprehensive. The practical information within is ideal for optical and optomechanical engineers and scientists involved in the design, development and integration of modern optical systems for commercial, space, and military applications. Charts, tables, figures, and photos augment this already impressive handbook.

The text consists of ten chapters, each authored by a world-renowned expert. This unique collaboration makes the Handbook a comprehensive source of cutting edge information and research in the important field of optomechanical engineering. Some of the current research trends that are covered include:

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Editorial Review

Review

Optomechanical engineering is a major driving force behind the information society of tomorrow. The material covered in this book forms the foundation of new multi-billion dollar industries over the entire globe.... With the publication of this book there is, for the first time, a much needed handbook of optomechanical engineering available in English. This handbook will be of very significant value to the working engineer who needs to acquire knowledge of optomechanical systems in a timely manner to satisfy the customer's need. The book is excellent and long overdue.

- James B. Breckinridge, Jet Propulsion Laboratory, California Institute of Technology, and SPIE Past President

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