

INSIGHTS INTO LASER SCIENCE

By Dhruba J. Biswas

A Beginner's Guide to Lasers and Their Applications by Dhruba J. Biswas is an exceptional book that delves into the fascinating world of lasers. With its intuitive approach and accessible language, it opens the doors to laser science for a wide range of readers, including those from various scientific disciplines and curious enthusiasts.

The book begins by acknowledging the monumental impact of lasers on humanity since their invention in 1960. From being initially seen as a solution in search of problems, lasers have permeated almost every field imaginable, as evidenced by the numerous Nobel Prizes awarded for laser-related discoveries. However, most existing books on lasers cater to experts, researchers, or graduate students, leaving a gap for a beginner-friendly resource.

What sets this book apart is its ability to present complex concepts without relying on intricate mathematical explanations. Instead, Biswas employs an intuitive approach, allowing readers with a basic understanding of high school physics to grasp the fundamentals of laser science. The author's aim is to engage a diverse audience, including those in physics, chemistry, engineering, medicine, biology, and any curious individual seeking to explore lasers.

One of the book's notable strengths is its perfect balance between lucid text and clear illustrations. The author successfully maintains technical depth and scientific accuracy while ensuring readability and comprehension. Complex concepts are simplified and complemented by visuals, making it easier for readers to visualize and understand the principles behind lasers.

Adding to the book's appeal are the intriguing anecdotes scattered throughout the text. Drawing from historical events and milestones, these anecdotes not only provide context but also ignite the readers' curiosity. They serve as captivating reminders of the significant role lasers have played in shaping scientific advancements.

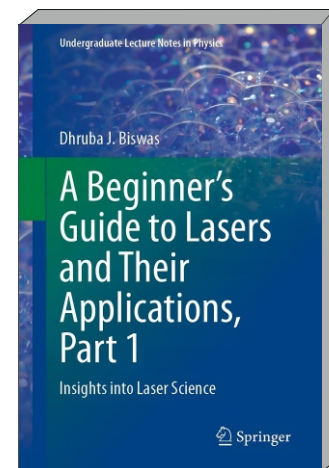
A Beginner's Guide to Lasers and Their Applications, Part-1: Insights into Laser Science

By Dhruba J. Biswas
Former Head

Laser & Plasma Technology Division, BARC

Springer Nature

Date of Publication: 12 May, 2023



"A Beginner's Guide to Lasers and Their Applications" is a remarkable book that bridges the gap between laser science and a broader audience. Dhruba J. Biswas has skillfully crafted a resource that combines clarity, scientific rigor, and captivating storytelling. Whether you are a beginner in the field or simply intrigued by the wonders of lasers, this book is an excellent choice for expanding your knowledge and appreciation of this groundbreaking technology.