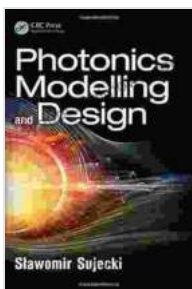


# Photonics Modelling and Design: The Ultimate Guide to Optical Sciences and Applications of Light

Photonics is the study and application of light, and it is revolutionizing the way we communicate, sense the world around us, and even store and process information. From lasers and LEDs to solar cells and optical communication systems, photonics is playing a vital role in shaping our future.

Photonics Modelling and Design is a comprehensive guide to the latest advancements and applications of light technology in optical sciences and engineering. Written by leading experts in the field, this book covers everything from the basic principles of photonics to the most cutting-edge research in the field.



## Photonics Modelling and Design (Optical Sciences and Applications of Light) by John D. Paliouras

★★★★★ 5 out of 5

Language : English

File size : 28638 KB

Screen Reader : Supported

Print length : 396 pages



### What's inside the book?

- An to the basic principles of photonics, including the electromagnetic spectrum, wave propagation, and diffraction.

- A detailed overview of the different types of photonic devices, including lasers, LEDs, photodetectors, and modulators.
- A discussion of the different applications of photonics, including optical communication, imaging, sensing, and spectroscopy.
- A guide to the latest research in the field of photonics, including the development of photonic crystals, metamaterials, and nanophotonics.
- A comprehensive bibliography of references for further reading.

### **Who should read this book?**

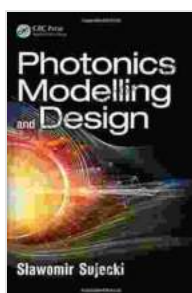
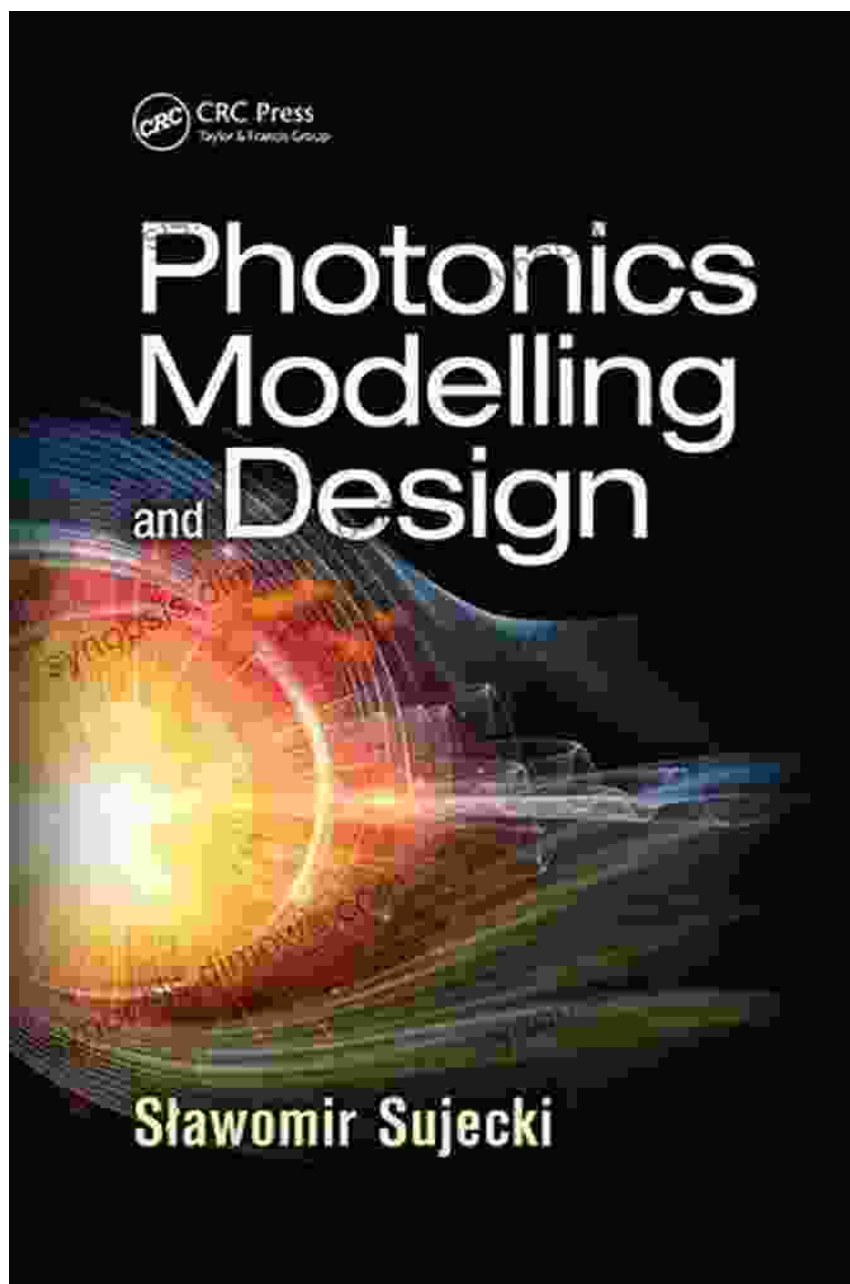
- Students who are interested in learning about photonics.
- Engineers who are working in the field of photonics.
- Researchers who are conducting research in the field of photonics.
- Anyone who is interested in the latest advancements in light technology.

### **What are the benefits of reading this book?**

- You will learn about the basic principles of photonics.
- You will gain an overview of the different types of photonic devices.
- You will learn about the different applications of photonics.
- You will be up-to-date on the latest research in the field of photonics.
- You will have a comprehensive bibliography of references for further reading.

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