

Librería  
*Bonilla y Asociados*  
desde 1950



**Título:** Solid-State Lasers And Applications

**Autor:** Sennaroglu Alphan

**Precio:** \$2246.00

**Editorial:**

**Año:** 2006

**Tema:**

**Edición:** 1<sup>a</sup>

**Sinopsis**

**ISBN:** 9780849335891

Because of the favorable characteristics of solid-state lasers, they have become the preferred candidates for a wide range of applications in science and technology, including spectroscopy, atmospheric monitoring, micromachining, and precision metrology. Presenting the most recent developments in the field, *Solid-State Lasers and Applications* focuses on the design and applications of solid-state laser systems.

With contributions from leading international experts, the book explores the latest research results and applications of solid-state lasers as well as various laser systems. The beginning chapters discuss current developments and applications of new solid-state gain media in different wavelength regions, including cerium-doped lasers in the ultraviolet range, ytterbium lasers near 1 $\mu$ m, rare-earth ion-doped lasers in the eye-safe region, and tunable Cr<sup>2+</sup>:ZnSe lasers in the mid-infrared range. The remaining chapters study specific modes of operation of solid-state laser systems, such as pulsed microchip lasers, high-power neodymium lasers, ultrafast solid-state lasers, amplification of femtosecond pulses with optical parametric amplifiers, and noise characteristics of solid-state lasers.

*Solid-State Lasers and Applications* covers the most important aspects of the field to provide current, comprehensive coverage of solid-state lasers.