

## *Fiber Optic Sensing And Imaging*







### **Fiber Optic Sensing And Imaging**

The use of optical methodology, instrumentation and photonics devices for imaging, vision and optical sensing is of increasing importance in understanding our marine environment. Subsea optics can make an important contribution to the protection and sustainable management of ocean resources and contribute to monitoring the response of marine systems to climate change.

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Fiber Optic Sensing and Imaging [Jin U. Kang] on Amazon.com. \*FREE\* shipping on qualifying offers. This book is designed to highlight the basic principles of fiber optic imaging and sensing devices. The book provides the readers with a solid foundation in fiber optic imaging and sensing devices. The text begins with an introductory chapter that starts from Maxwell's equations and ends with ...

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Imaging and Sensing with optical fibers helps minimally invasive surgeries and non-invasive diagnostic procedures. Various medical tools can be enhanced with fiber optic technology and ultimately improve the standard of care.

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### **Fiber Optic Sensing and Imaging. (eBook, 2013) [WorldCat.org]**

The editor has organized the book to provide the reader with a solid foundation in fiber optic imaging and sensing devices. It begins with an introductory chapter that starts from Maxwell's equations and ends with the derivation of the basic optical fiber characteristic equations and solutions (i.e. fiber modes).

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allowed the sensor and imagers to be placed in most tight spaces. Now, fiber optic imaging and sensing devices are being used for a wide range of applications such as in medical, environmental, manufacturing, and defense. This book is designed to highlight the basic principles of fiber optic imaging and sensing devices.

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