

# Division of Measurement Committee for Sensing Photonics Technology

## Optical measurement technologies in SICE

--- New Sensing Technology by Optics: from Principle to Application ---

Keywords: 1) Photonics sensing, 2) Optical material, 3) Optical device

### Goals

Surveillance and enlightenment of sensing technologies using optical properties such as high sensitivity, noncontactness, electromagnetically-resistance, environmentally-resistance as well as the basic technologies.

### Themes

Creation of photonics sensing principle, photonics material and photonics device as well as establishment of sensing system using these key technologies.

### Key Technologies

Photonics devices such as laser diode, photo detector, optical fiber, optical waveguide, LCD

### Activity Plan

Cooperation of Optical Sensing Technical Workshops (June and December)  
Co-sponsor of Riken Symposium (November)  
Planning and implementation of lectures, seminars and laboratory tours

