

Technical Committee on Light Application and Visual Science

1. Objective

Today, optical application technologies are being developed in new fields through the creation of new light sources and optical devices. The importance of these technologies is becoming increasingly important for enhancing the quality of life, as well as protecting the global environment, through a wide range of applications, including optical energy and environments, lighting and coloring, optical measurement and sensing, optical communication and information processing, optical bio-medical optics, near-field optics, lithography, and laser microfabrication. Furthermore, human information is overwhelmingly visual, making media information and vision technical fields for a super-smart society extremely important. The Technical Committee on Light Application and Visual Science aims to promote the following activities, seeking to contribute to the development of technologies that utilize superior light properties for the benefit of humankind.

- (1) Research and investigation of light sources and light generation
- (2) Research and investigation of applications for optical radiation
- (3) Research and investigation of media information and vision
- (4) Invigorating technological fields related to the generation of light, application of light radiation, and vision, and train engineers in relevant fields
- (5) Provide information and knowledge gathered by this technical committee to the members of the IEEJ and disseminate it to the general public
- (6) Invigorate exchange with related committees of the IEEJ and other academic societies and international exchange

2. Fields of activity

A wide range of optical application and visual technology fields, including light source development from the terahertz to the extreme ultraviolet wavelength range, various applied technologies thereof, and technical areas related to visual processing are being considered.

3. Activity content

- (1) Technical Committee meetings: four times a year
- (2) Establishment of investigation committees: Establish the necessary investigation committees as subordinate organizations to conduct a wide range of studies related to optical applications and vision.
- (3) Symposia and workshops: Once or twice a year. Symposia will be held as appropriate at the IEEJ National Convention and Annual Conference of IEEJ Society A. In addition, Technical Meetings will meet to disclose the results of each investigation committee.
- (4) Field trips and lectures
- (5) Publish and disseminate technical reports
- (6) Train young researchers

4. Committee members

Position	Name	Affiliation
Chairperson	Mitsuhiro Kusaba	Osaka Sangyo University
Primary member	Yoshihisa Ikeda	Ehime University
"	Atsunori Okada	Panasonic Corporation
"	Hiroyuki Kamei	Tokyo Institute of Technology
"	Masashi Kando	Shizuoka University
"	Syunichi Sato	National Defence Medical College
"	Seishi Sekine	Niigata University
"	Hidenobu Tsuji	Mitsubishi Electric Corporation
"	Masaki Hashida	Kyoto University
"	Toshiyuki Horiuchi	Tokyo Denki University
"	Hiromichi Horinaka	Osaka Prefecture University
"	Masahiro Yamamoto	Toshiba Corporation
"	Ikushi Yoda	National Institute of Advanced Industrial Science and Technology
Secretary	Takeshi Kinoshita	Keio University
"	Yukitaka Shinoda	Nihon University

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