LOYOLA - ICAM
COLLEGE OF ENGINEERING AND TECHNOLOGY (LICET)
(AUTONOMUS INSTITUTION)
Chennai, India
in collaboration with
Dr. AGARWAL's INSTITUTE OF OPTOMETERY(DAIO)
International Conference on
Intelligent Systems and Vision Technology in Eye Care (ISVTEC - 2025)
Theme: Technology in Eyecare
October 24 - 25, 2025

Dr Agarwals Institute of Optometry

Venue : LICET, Chennai (Hybrid)

KEYNOTE SPEAKERS

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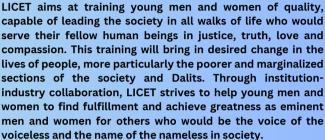**Dr.V. Karthikeyan,** National Institute of Technology, Calicut, Kerala, India
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About LICET

LICET aims at training young men and women of quality, capable of leading the society in all walks of life who would serve their fellow human beings in justice, truth, love and compassion. This training will bring in desired change in the lives of people, more particularly the poorer and marginalized sections of the society and Dalits. Through institution-industry collaboration, LICET strives to help young men and women to find fulfillment and achieve greatness as eminent men and women for others who would be the voice of the voiceless and the name of the nameless in society.

About DAIO

Dr. Agarwal's Institute of Optometry (DAIO) is a premier institution dedicated to excellence in eye care education. As part of the renowned Dr. Agarwal's Eye Hospital group, with over six decades of expertise, the institute combines academic rigor with practical training. DAIO offers bachelor's and master's degrees in optometry, internships, and fellowships in clinical optometry and research. Students gain hands-on experience in advanced labs and receive clinical exposure through Dr. Agarwal's Eye Hospitals. With a focus on research and innovation, the institute regularly contributes to leading conferences and journals. Enriched by seminars, workshops, and guest lectures, DAIO also serves the community through outreach programs and eye camps, creating a lasting societal impact.

About ISVTEC-2025

The ISVTEC - 2025 conference aims to bring together researchers, practitioners, and industry experts to explore cutting-edge innovations in the intersection of intelligent systems and vision technologies for enhancing eye care solutions. With the theme "Technology in Eyecare", the conference will serve as a platform for presenting novel research, sharing clinical insights, and discussing the latest advancements in areas such as Computer Vision, Medical Imaging, AI in Ophthalmology, Smart Devices, Assistive Technologies, Tele-Ophthalmology, and Real-Time Vision Systems. The event will feature keynote sessions by leading experts, technical paper presentations, and interactive workshops.

https://licet.ac.in/isvtec2025/

isvtec25@licet.ac.in

CALL FOR PAPERS

ISVTEC-2025 solicits manuscripts from researchers, academicians and professionals throughout the globe for presentation in the technical sessions of the conference. The keynote speakers are the eminent people from academia, research institutes and industries. The paper selection will follow a double-blind review process, meaning that both the authors and reviewers will remain anonymous during the paper selection process. Accepted, registered and presented papers will be published as Book of Conference Proceedings.

(Awaiting approval from Springer)

The technical areas of ISVTEC-2025 include but are not limited to the following tracks:

TRACK I
Innovations in Retinal Imaging Devices and Diagnostic Systems

- Next-Generation Retinal Imaging Devices
- AI-Driven Retinal Image Processing
- Non-Invasive Retinal Imaging Techniques
- Embedded Systems and Hardware for Retinal Imaging
- Innovations in Optical Coherence Tomography (OCT)
- Retinal Image Registration and Analysis
- Tele-Retinal Imaging Systems
- Hardware-Software Co-Design for Retinal Imaging
- Imaging for Early Detection of Retinal Diseases
- Augmented Reality (AR) and Virtual Reality (VR) in Retinal Imaging

TRACK II
Tele-Ophthalmology and Vision Care Technologies

- Tele-Ophthalmology Platforms and Applications
- Remote Eye Disease Diagnosis and Monitoring
- IoT Devices for Vision Health Monitoring
- Edge and Cloud Computing in Tele-Ophthalmology
- Mobile and Wearable Solutions for Vision Care
- Remote Vision Testing and Screening Tools
- Augmented and Virtual Reality in Tele-Ophthalmology
- Tele-Surgical Assistance in Ophthalmology

TRACK III
AI and Machine Learning for Vision Diagnostics and Treatment

- AI-Based Retinal Disease Detection
- Machine Learning for Eye Disease Prognosis and Risk Assessment
- AI for Visual Impairment and Low Vision Assistance
- AI for Surgical Planning and Post-Operative Monitoring
- AI for Personalized Vision Treatment and Therapy
- Data Augmentation Techniques in AI for Eye Care
- Natural Language Processing (NLP) for Ophthalmology

TRACK IV
Advances in Optical Coherence Tomography and Imaging Systems

- Next-Generation OCT Systems for Retinal Imaging
- Miniaturization and Portability of OCT Devices
- AI and Machine Learning in OCT Image Analysis
- High-Speed OCT for Real-Time Imaging
- OCT for Glaucoma Diagnostics and Monitoring
- OCT for Ocular Drug Delivery and Treatment Monitoring
- OCT for Ocular Surgery Planning and Post-Operative Care
- Advances in OCT System Design and Signal Processing

IMPORTANT DATES

Abstract submission due	April 15, 2025
Abstract Acceptance notification	April 30, 2025
Full paper Submission	June 10, 2025
Paper Acceptance Notification	July 15, 2025
Camera-Ready Submission	August 5, 2025
Registration deadline	September 5, 2025
Conference dates	October 24-25, 2025

"Best Papers will be awarded"

ABSTRACT AND PAPER SUBMISSION LINKS AND GUIDELINES

- Abstracts with a maximum of 250-300 words, which provide a concise summary of your research findings must be submitted electronically via Microsoft CMT https://cmt3.research.microsoft.com/ISVTEC2025
- Manuscripts of up to 10 pages, written in English and formatted according to the Springer template(Word/PDF), should be submitted electronically via Microsoft CMT (will be updated) in the same ID in which abstract was submitted.
- Any published work or other conference/journal work submitted will be rejected in the preliminary stage.
- Submission implies the willingness of at least one of the authors to register and present the paper.

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