

PHOTONICS FOR ENERGY, SENSING, & EDUCATION

A workshop on Applied Photonics funded by Distinguished International Associates Programme Royal Academy of Engineering, UK



Royal Academy of Engineering

16-17

JANUARY 2025

IIT Gandhinagar

Workshop Highlights:

- Hands on Experience
 - State-of-the art single nanoparticle optical microscopy & spectroscopy
 - Tunable diode laser absorption spectroscopy
- Discussion on state-of-the-art research findings & advancements among researchers & domain experts
- Interactions with startups & Industry professionals

Registration:

- IITGN students: **Rs. 500**
 - Students other than IITGN: **Rs. 1000** (+ **Rs. 500/day** for accommodation)
 - Faculty*: **Rs. 4000**
 - Industry Participants*: **Rs. 7500**
- *includes accommodation

Registration open

Scan to register



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PESE-2025

A workshop on Applied Photonics funded by
Distinguished International Associates Programme
Royal Academy of Engineering, UK
16-17 January 2025, IIT Gandhinagar, India

Invited speakers



Prof. Ken Grattan,
City University London, UK



Prof. Arindam Chowdhury
IIT Bombay



Prof. Manabendra Chandra
IIT Kanpur



Prof. Pramod P Pillai
IISER Pune



Prof. Goutam K Samanta
PRL, Ahmedabad



Prof. Nimai Mishra
ICT Bhubaneswar



Prof. Satyendra Nath Gupta
PRL, Ahmedabad



Prof. Mukesh Ranjan
IPR, Ahmedabad



Prof. Pankaj Yadav
PDPU Gandhinagar



Prof. Rupak Banerjee
IIT Gandhinagar



Prof. Sudipta Basu
IIT Gandhinagar



Prof. Arup Lal Chakraborty
IIT Gandhinagar



Dr. Chandan Kumar Jha
Galanto Innovations Private Limited



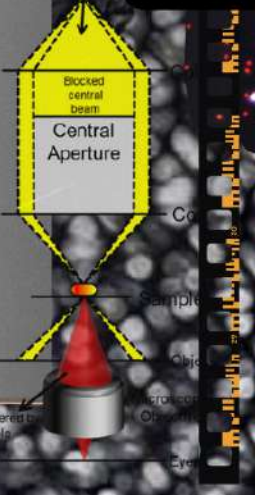
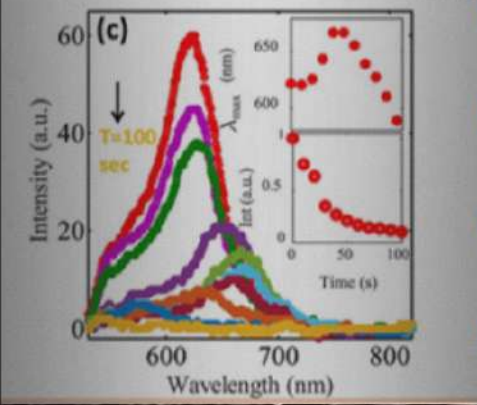
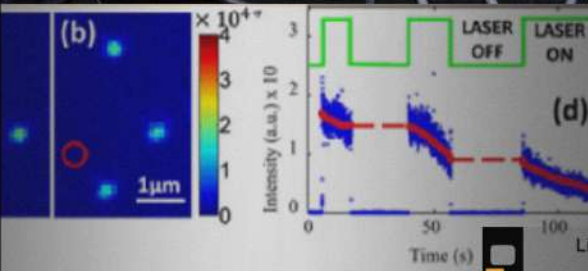
Nanoplasmonic
Research Lab



Photonic Sensors Lab

Home-built confocal microscopy for single-nanoparticle study

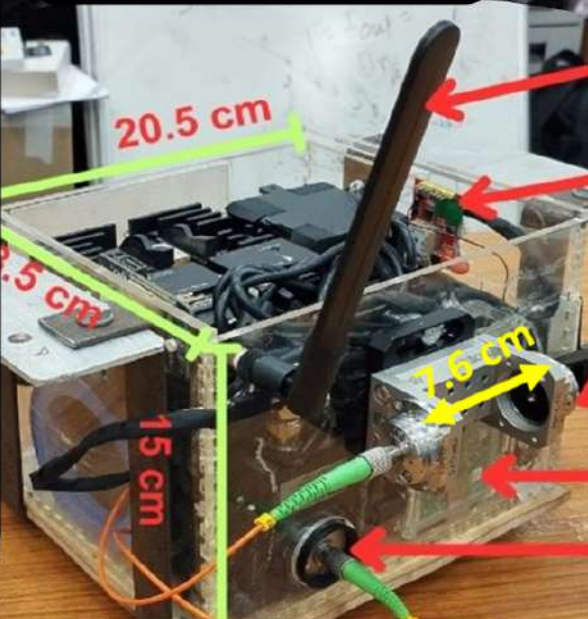
Hands on experience



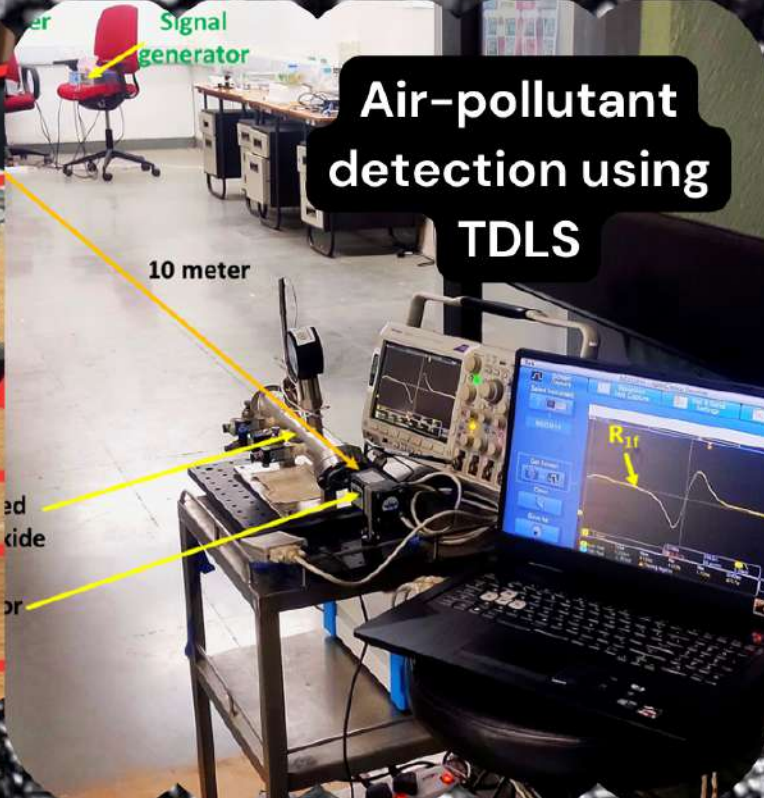
Darkfield measurement



PL measurement



portable water vapour measurement system



Air-pollutant detection using TDLs