



Objective:

Symposium on Integrated Photonics and Quantum Optics (SIPQO 2023) will be a series of symposiums organized by Centre for Quantum Engineering, Research and Education (CQuERE), TCG CREST Kolkata with an aim to gather researchers from photonics and quantum optics background to interact and exchange ideas. The symposium will help students to thrive in a world of constant change, providing exposure, career-readiness and internship opportunities and professional career advisories at domestic and international level.

Convenor:

Dr. Tanmoy Basu
CQuERE, TCG CREST
Kolkata

Coordinator:

Dr. Amit Banerjee
Adjunct Faculty,
CQuERE, TCG CREST
Asst. Professor
Dept. of Physics
Bidhan Chandra College,
Asansol, West Bengal

Scopes:

Research works under the broad subject areas related to photonic integrated circuits, Photonics quantum computation, Quantum sensing, Integrated quantum photonics, Quantum optics will be covered. The specific topics of the symposium include, but are not limited to:

1. Photonic quantum computation and communication
2. Integrated photonics for quantum sensing techniques
3. Metrology using photonics/optics
4. NV centre /quantum dot-based single photon emitters
5. NV centre-based sensors

Notes

Participation link (only for online mode):

<https://forms.gle/NntoHibodbeAPvCb8>

Abstract can be sent in PDF or .docx format directly to the following address:

Contact person:

1. Dr. Tanmoy Basu, Mob No.: +919231820428, Email: tanmoy.basu@tcgcrest.org
2. Dr. Amit Banerjee, Email: amitbanerjee.nus@gmail.com

**Selected abstracts will be published in "Abstract books of SIPQO 2023"*

Symposium on Integrated Photonics and Quantum Optics
18th -19th July 2023, 9:00 am-7:00 pm IST

Schedule for the talks:

| Date | Time (IST) | Name of speaker | Talk |
|----------------------------|----------------------------|-----------------------|-----------------|
| 18 th July 2023 | 8:30 am | Bhanu Pratap Das | Opening remarks |
| | 9:00 am | Arka Majumdar | Keynote |
| | 9:45am | Joyee Ghosh | Keynote |
| | 10:30 am | Sudip Chatterjee | Invited |
| | 10:55-11:15 am | | Oral |
| | 11:15 am | Rudra Sankar Dhar | Keynote |
| | 12:00 pm | Anindita Banerjee | Keynote |
| | 12:45-2:00 pm | Lunch break | |
| | 2:00 pm | Sushil Mujumdar | Keynote |
| | 2:45 pm | Partha Pratim Sahoo | Keynote |
| | 3:30-4:00 pm | | Oral |
| | 4:00 pm | Manas Mukherjee | Keynote |
| | 4:45 pm | Raktim Halder | Keynote |
| | 5:30 pm | Karan Mehta | Keynote |
| | 19 th July 2023 | 9:00 am | Anupam Madhukar |
| 9:45 am | | Syamsundar De | Keynote |
| 10:30 am | | Amit Banerjee | Invited |
| 10:55-11:20 am | | Subhadeep Chakraborty | Invited |
| 11:20 am | | Basudev Pradhan | Keynote |
| 12:05 pm | | Almut Beige | Keynote |
| 12:50-2:00 pm | | Lunch Break | |
| 2:00 pm | | Jeroen van Kan | Keynote |
| 2:50 pm | | Somobrata Acharya | Keynote |
| 3:40-4:00 pm | | | Oral |
| 4:00 pm | | Sajal Biring | Keynote |
| 4:45 pm | | Bhavin Shastri | Keynote |
| 5:30 pm | Arup Samanta | Keynote | |

List of speakers:



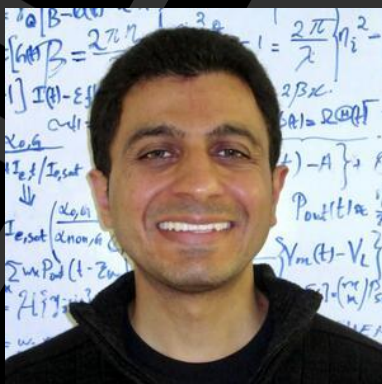
Prof. Anupam
Madhukar
University of Southern
California



Prof. Almut Beige
University of Leeds



Prof. Arka Majumdar
University of
Washington



Prof. Bhavin Shastri
Queen's University



Prof. Karan Mehta
Cornell University



Prof. Manas Mukherjee
National University of
Singapore



Prof. Jeoren van Kan
National University of
Singapore



Prof. Sushil Mujumdar
TIFR, Mumbai



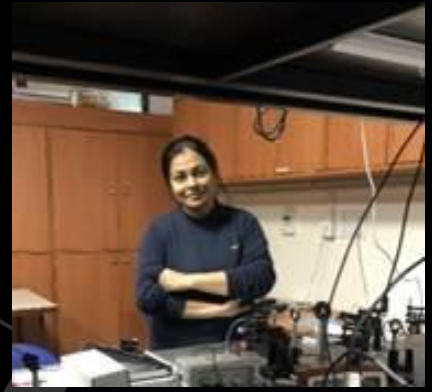
Dr. Basudev Pradhan
Central University of
Jharkhand, India



Prof. Partha Pratim Sahu,
Tezpur University



Prof. Somobrata Acharya
IACS, Kolkata



Prof. Joyee Ghosh
IIT Delhi



Dr. Syamsundar De
IIT Kharagpur



Dr. Rudra Shankar Dhar
NIT Mizoram



Dr. Sajal Biring
Ming Chi University of
Technology, Taipei



Dr. Anindita Banerjee
CDAC, Pune



Dr. Arup Samanta
IIT Roorkee



Dr. Raktim Haldar
Leibniz University
Hannover, Germany