

pLED INTERNATIONAL SYMPOSIUM 2023

EXPLORING INVISIBLE LIGHT TECHNOLOGY

Dates

March 4 (Sat) - 5 (Sun), 2023

Venue

Keyaki Hall, Josanjima Campus,
Tokushima University,
Japan

Hybrid (on-site / online Virtual)

Registration fee

Free

Important Dates

- Registration Deadline for Poster Presentation
January 24 (Tue), 2023
- Abstract Submission Deadline
January 31 (Tue), 2023
- Registration Deadline for Attendance
February 28 (Tue), 2023



Prof. Emmanuel Abraham
University of Bordeaux, France



Prof. Tadao Nagatsuma
Osaka University, Japan



Prof. Takasumi Tanabe
Keio University, Japan



Prof. Kaoru Minoshima
The University of Electro-
Communications, Japan



Prof. Lingyan Shi
University of California San Diego, USA



Prof. Yu-Jung Lu
Academia Sinica, Taiwan



Prof. Takuo Tanaka
RIKEN, Japan



Prof. Keisuke Goda
The University of Tokyo, Japan



Prof. Trevor Smith
The University of Melbourne, Australia

CALL FOR PAPERS

Technical areas for poster presentation

all topics under the broad spectrum of optics and photonics
The "Best Student Poster Award" will be presented.



• Please wear mask, wash your hands.

• Please do not attend, if you have tested positive for COVID-19, or waiting for COVID-19 test results, or have COVID-19-like symptoms, feel sick or unwell, or have had close contact with a person who has tested positive for or who has symptoms of COVID-19.



Contact us
postled@tokushima-u.ac.jp

Administration Office, Institute of Post-LED Photonics, Tokushima University



Registration
<https://forms.office.com/r/b0ymEwdt2c>



次世代ひかりトクシマ

Organized by Tokushima University Institute of Post-LED Photonics, Tokushima University

Day 1 : March 4 (Sat)

PROGRAM

Day 2 : March 5 (Sun)

09:00

09:30

10:00

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19:00

19:30

09:30-09:37 Opening Remarks

09:37-09:53 Greeting from our honored guests

09:53-10:15 Introduction of pLED
Prof. Takeshi Yasui (Chief Research Officer (CRO) at pLED, Tokushima University, Japan)

10:15-10:20 Break

10:20-11:05 Spatio-temporal topological shaping of terahertz light,
applications to opto-mechanical manipulation
Prof. Emmanuel Abraham (University of Bordeaux, France)

11:05-11:50 Terahertz Communications Enabled by Photonics
Prof. Tadao Nagatsuma (Osaka University, Japan)

11:50-13:10 Break

13:10-13:55 Microresonator frequency combs for ultra-low latency optical
communication for Beyond 5G and 6G applications
Prof. Takasumi Tanabe (Keio University, Japan)

13:55-14:40 Application of versatile control and manipulation of light
enabled by optical frequency combs
Prof. Kaoru Minoshima (The University of Electro-Communications, Japan)

14:40-14:50 Break

14:50-15:35 Bioorthogonal Super Resolution SRS
Imaging of Metabolism in Aging and Diseases
Prof. Lingyan Shi (University of California, San Diego, USA)

15:35-15:50 Break

15:50-17:35 Poster session

19:00- Reception party

10:00-10:45 Plasmonic Resonance Enhanced Photodetection from 2D
Material Photodetectors to Superconducting Photodetectors
Prof. Yu-Jung Lu (Academia Sinica, Taiwan)

10:45-11:30 Metamaterials and metasurfaces from lens to biosensor
Prof. Takuo Tanaka (RIKEN, Japan)

11:30-11:55 Field-enhanced optical nanoscopies for biomedical analysis
Prof. Taka-aki Yano (Tokushima University, Japan)

11:55-13:15 Break

13:15-14:00 Democratization of precision measurement in biophotonics
Prof. Keisuke Goda (The University of Tokyo Japan)

14:00-14:25 Development of new fluorescent chromophore 1,3a,6a-
triazapentalene and its application to photomedical research
Prof. Kosuke Namba (Tokushima University, Japan)

14:25-14:35 Break

14:35-15:20 Ultrafast and microspectroscopy of excitonic materials
Prof. Trevor Smith (The University of Melbourne, Australia)

15:20-15:45 Femtosecond Dynamics of Photoenergy Conversion by
Plasmonic Metal Modified Semiconductor Nanostructures
Prof. Akihiro Furube (Tokushima University, Japan)

15:45-16:00 Closing Remarks