

The 4th Photonics Workshop: "Pioneering a new era of light!"

Friday -Saturday 29 November – 30 November, 2019

Optical science is progressing day by day. In recent years, a new trend of optical science has emerged, in particular, with a combination of quantum computers and artificial intelligence (AI). Here, we organize a seminar with the title " Pioneering a new era of light !!" and invite several lecturers who are active at the research field of quantum computing, AI, biomicroscopes, etc. The lecturers come from both university and company, and there are variety of topics from fundamental science and applications. In this seminar, we invite you for poster presentations (with short oral presentations) for the wide research fields of optics. In particular, we are waiting for participation of international/Japanese students and researchers who want to make debuts at academic societies, to interact with each other, and to make presentations at initial stage of research.

Sponsored by

Photonics Division of Japan Society of Applied Physics (JSAP)

Supported by

(General Incorporated Association) The Optical Society of Japan (provisional)

Date

Friday-Saturday 29 November (13:00 – 20:00) - 30 November (9:00 – 12:00),
2019

Venue

Okinawaken Seinen Kaikan

Address: Kume 2-15-23, Naha city, Okinawa, Japan 900-0033

Website: <http://www.okiseikan.or.jp/>

Access: 5 min walk from Asahibashi station of the monorail.

Capacity

60 people

Invited Lecturers and Tentative Titles

- **Amy Shen (OIST)**

“Nanoplasmonic platforms for biosensing applications”

- **Fumihiko DAKE (Nikon)**

“誘導遷移を利用した超解像非線形蛍光顕微鏡の開発”

(related to “super resolution nonlinear fluorescent microscope”)

- **Makoto NARUSE (Univ. of Tokyo)**

“光を用いた意思決定メカニズム”

(related to “decision making by optics”)

- **Ryo OKAMOTO (Kyoto Univ.)**

“光子を用いた量子計測技術”

(related to “quantum measurement by optics”)

- **Takayuki UMAKOSHI (Osaka Univ)**

“近接場光学顕微鏡の先端技術 –高感度化・高速化・広帯域化–”

(related to “near-field optical microscope”)

- **Sadao OHTA (Univ. of Tokyo)**

“Networked biophotonics for imagining beyond imaging”

- Papers and posters can be written and presented in English or Japanese.
- Welcome presentations and discussions in English.
- Join us for the Social Networking event (dinner party, include in registration fee).

Proceedings

The printed proceedings are not available. Please download the paper PDFs from the web site, print the necessary parts and bring them.

Call for poster presentation (see details in “English Instruction”)

- All presentations related with “light” are welcome.
- Aiming to encourage students’ participation, student-presenters receive registration discounts (only one person per poster).
- Poster Awards are planned.
- Submit one page A4 size manuscript for poster presentation. The format of the manuscript can be downloaded from the website. Submit manuscripts (PDF or

MS word format) by 8 November, 2019 by uploading them to the paper submission system.

- Short oral presentations of 2-3 minutes are needed for all poster-presenters. Prepare your short presentation file less than 5 slides (only PDF), and also upload it to the paper submission system.
- The first page includes title, affiliation, and presenter name. Laptop PC is prepared by Workshop staff for presentation.

Schedule (tentative)

29 November, 2019

13:00 Opening talk

13:10 Invited talk 1 (Dr. NARUSE)

13:55 Invited talk 2 (Dr. OHTA)

Tea/Coffee Break (20 min)

15:00 Invited talk 3 (Dr. SHEN)

Tea/Coffee Break (15 min)

16:00 Short presentations

17:30 Poster session

18:30 Social Networking event (dinner party, Buffet style)

30 November, 2019

09:00 Preparation

09:10 Invited talk 4 (Dr. UMAKOSHI)

09:55 Invited talk 5 (Dr. DAKE)

Tea/Coffee Break (20 min)

11:00 Invited talk 6 (Dr. OKAMOTO)

11:45 Closing remarks with Poster awards

12:00 End

Registration Fees

General attendee:

***not* including accommodations. Please make reservations by yourselves.**

Member of Photonics Division of JSAP: 8,000 Yen (Incl. tax)

Member of JSAP or related sponsoring societies: 10,000 Yen (Incl. tax)

Non-members: 12,000 Yen (Incl. tax)

Full-time Students:

including accommodations (shared rooms, first 24 people)

Member (Photonics Division, JSAP, or related sponsoring societies) (speaker):	3,000 Yen (Incl. tax)
Non-members (speaker):	4,000 Yen (Incl. tax)
Non-speakers:	10,000 Yen (Incl. tax)

For all participants:

Registration fee includes the fee of the Social Networking event (dinner party, Buffet style, evening of 29 November, meal and drinks are served)

Due Date

25 October 2019, Registration due, register via website.

8, November 2019, Paper Submission due, submit via website.

Payments

Credit card is necessary, and the settlement of credit card account is made on the time of registration.

If you need Bank Transfer, then please contact us.

If you have any questions on this meeting, please contact:

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Prof. Ikufumi NAMEKATA (Yokohama National Univ.)

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