

# LIC2019 program

Tue. Apr 23, 2019

## [LIC1] Opening lectures

Tue. Apr 23, 2019 1:30 PM - 3:00 PM JST  
 Pacifico Yokohama Conference Center(302)  
 Session Chair: Jun Hayashi (Kyoto Univ.)

1:30 PM - 2:00 PM JST

### Opening Remarks

Takunori Taira<sup>1</sup>,

1. RIKEN Spring-8 center / Institute for Molecular Science, 2. OSA, 3. SPIE

2:00 PM - 2:30 PM JST

LIC1-1

### Commemorative lecture for the excellent business award from NEDO: 808 nm range high power VCSEL array and fiber coupled module for laser ignition system on gas co-generation engines.

\*Kazuma Izumiyai<sup>1</sup>, Nobuyuki Arai<sup>1</sup>, Keisuke Ikeda<sup>1</sup>, Yuzuru Sasaki<sup>1</sup>, Yosuke Abe<sup>1</sup>, Katsunari Hanaoka<sup>1</sup>, Masaki Hiroi<sup>1</sup>, Toshiyuki Ikeo<sup>1</sup>, Naoto Jikutani<sup>1</sup>, Tsuyoshi Suzudo<sup>1</sup>

1.RICOH Co., LTD. R&D Center

2:30 PM - 3:00 PM JST

LIC1-2

### Laser Ignition Experiment for Aerospace Combustor (Invited)

Mitsunori Itoh<sup>1</sup>, \*Yoshiki Matsuura<sup>2</sup>, Takahisa Nagao<sup>1</sup>, Jun Izawa<sup>1</sup>

1.IHI Corporation, 2.IHI Aerospace

<Break> 3:00 PM - 3:30 PM JST

## [LIC2] Laser acceleration and THz generation

Tue. Apr 23, 2019 3:30 PM - 5:30 PM JST  
 Pacifico Yokohama Conference Center(302)  
 Session Chair: Takunori Taira (RIKEN)

3:30 PM - 4:00 PM JST

LIC2-1

### Development of repeatable GeV-class laser wakefield accelerator under the MIRAI program (Invited)

\*Tomonao Hosokai<sup>1,2</sup>

1.Osaka University, 2.RIKEN S(pring-8)

4:00 PM - 4:30 PM JST

LIC2-2

### Laser driven ion acceleration for heavy ion cancer therapy (Invited)

\*Kiminori Kondo<sup>1</sup>, Michiaki Mori<sup>1</sup>, Dinh Tanh Hung<sup>1</sup>, Noboru Hasegawa<sup>1</sup>, Masaharu Nishikino<sup>1</sup>, Kotaro Kondo<sup>1</sup>, Akira Kon<sup>1</sup>, Nicholas Dover<sup>1</sup>, Hazel Frances Lowe<sup>1</sup>, Hiromitsu Kiriya<sup>1</sup>, Mamiko Nishiuchi<sup>1</sup>, Hironao Sakaki<sup>1</sup>, Toshiyuki Shiraiz

1.KPSI, National Institutes for Quantum and Radiological Science and Technology, 2.NIRS, National Institutes for Quantum and Radiological Science and Technology

4:30 PM - 5:00 PM JST

LIC2-3

### Security screening system with an injection-seeded terahertz-wave parametric generator (Invited)

\*Hiroaki Minamide<sup>1</sup>, Kouji Nawata<sup>1</sup>, Yuma Takida<sup>1</sup>

1.Tera-Photonics Research Team, RIKEN Center for Advanced Photonics (RAP), RIKEN

5:00 PM - 5:30 PM JST

LIC2-4

### Terahertz wave parametric amplification using LiNbO<sub>3</sub> crystal pumped by the microchip Nd:YAG laser (Invited)

\*Kosuke Murate<sup>1</sup>, Yunzhuo Guo<sup>1</sup>, Hikaru Sakai<sup>1</sup>, Kodo Kawase<sup>1</sup>

1.Nagoya University