

2nd TILA Seminar

“Promise of Tiny Integrated Lasers: from Basic Sciences include Laser Acceleration to Industrial Applications”

Time: 12:55-18:20

Date: April 22nd, 2024

Place: Rm. 201, Institute for Molecular Science, Japan

Access <<https://www.ims.ac.jp/en/about/campus/access.html>>

Map <<https://www.ims.ac.jp/en/about/campus/shonai.html>>

Sponsor: Micro Solid-State Photonics Association, Japan
Laser-Driven Electron-Acceleration Technology Group, RIKEN SPring-8 Center (RSC), Japan
Division of Research Innovation and Collaboration, Institute for Molecular Science (IMS)

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Contents

12:55-13:00

1. Opening Remarks

Takunori Taira (RIKEN / IMS, Japan)

13:00-13:50

2. "Recent developments in DiPOLE diode-pumped solid-state laser technology at the Central Laser Facility"

Mariastefania De Vito (The STFC Central Laser Facility, UK)

13:50-14:40

3. "The LISA laser system which will be launched to detect gravitational waves"

Thomas Kane (Laser Scientist, USA)

14:40-15:00 Coffee Break

15:00-15:50

4. "Mechanism study of surface activated bonding for LiNbO₃ and SiC"

Lihe Zheng (Yunnan University, China)

15:50-16:20

5. "Tiny Integrated Lasers: Laboratory Introduction"

Takunori Taira (RIKEN / IMS, Japan)

16:20-18:20 Laboratory Tour (all)

18:40-20:40 (tentative)

Reception at the restaurant (Okazaki)