

Conference on Laser and Synchrotron Radiation Combination Experiment 2024 LSC 2024

Sponsored by
Institute of Laser Engineering, Osaka University



Conference Chair **Toshihiko Shimizu**

Institute of Laser Engineering, Osaka University, Japan

Conference

We are pleased to welcome you to the Conference on Laser and Synchrotron Radiation Combination Experiment (LSC) 2024.

As part of the OPTICS & PHOTONICS International Congress (OPIC), LSC aims to converge all scientists and engineers who are working on laser and synchrotron experiments all over the world.

The conference features invited talks and presentations on the recent developments, activities, and trends in lasers and synchrotron sources, instrumentation, experimental techniques, and applications. Especially we will focus on the rapid development of new experimental techniques such as ultrashort pulse lasers and X-ray free electron lasers, which made the study of sub-picosecond dynamics more accessible. A breakthrough, which has not been possible just by studying static properties of materials, is expected to occur by studying sub-picosecond dynamics. Given the current state of this research field, cooperation between laser and synchrotron is getting more and more important. In recent years, interdisciplinary research, in which lasers and synchrotron radiation are applied to fields with which they have had little involvement, has become possible, and we expect that more and more researchers will participate in this area in the future, expanding the community.

We are very pleased that the conference has become a hybrid online event, attracting a larger and more diverse audience. We hope that you will find all the LSC and OPIC activities interesting, engaging, and beneficial. We are very grateful for your participation, and we hope you will have great time at the conference.

Conference Chair

Toshihiko SHIMIZU *University of Osaka, Japan*

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