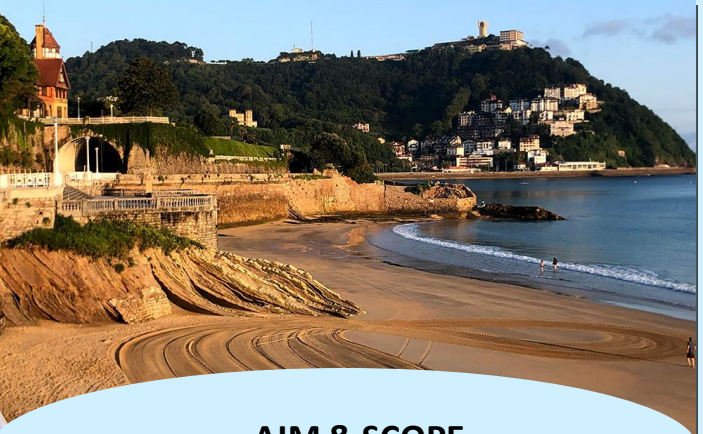

AIM & SCOPE

Miniaturization and high precision are rapidly becoming requirements in many industrial processes and products. As a result, there is greater interest in the use of laser micro fabrication approaches to achieve these goals. The International Symposium on Laser Precision Microfabrication (LPM) is alternatively held in Japan and in other host countries. To date, LPM has been successfully hosted in Omiya, Singapore, Osaka, Munich, Nara, Williamsburg, Kyoto, Vienna, Quebec, Kobe, Stuttgart, Takamatsu, Washington D.C., Niigata, Vilnius, Kokura, Xi'an, Toyama, Edinburgh, Hiroshima, Dresden and Hirosaki

The aim of this symposium is to provide a forum for discussion of fundamental aspects of laser-matter interaction, the state-of-the-art of laser materials processing, and topics for the next generation with fundamental scientists, end users and laser manufactures. We expect that LPM2024 would play an important role not only for understanding fundamental knowledge of laser precision microfabrication but also forecasting future technologies to be developed and the future laser market.

ORGANIZED BY

Address: Manuel Lardizabal Ibilbidea, 15,
20018 Donostia, Gipuzkoa
E-mail: infoceit@ceit.es
Website: www.ceit.es

ceit
MEMBER OF
BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

JLPS

ABOUT SAN SEBASTIÁN

San Sebastian, officially known by the bilingual name Donostia / San Sebastián is a city and municipality located in the Basque Autonomous Region, Spain. It lies on the coast of the Bay of Biscay, 20 km (12miles) from the France–Spain border. The capital city of the province of Gipuzkoa, the municipality's population is 188,102 as of 2021, with its metropolitan area reaching 436,500 in 2010. Locals call themselves donostiarra (singular), both in Spanish and Basque. The economic activities in the city are dominated by the service sector, with an emphasis on commerce and tourism. Despite the city's small size, San Sebastian hosts 4 Universities and a dozen research institutes to stablish a lively academic and research community.

LPM2024

The 25th International Symposium on Laser Precision Microfabrication

Kursaal Congress Centre and Auditorium,
San Sebastián, Spain

June 11th-14th, 2024

Organizers:

ceit
MEMBER OF
BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

JLPS

COMMITEE CHAIRS

General Chair: Dr. Yasuhiro Okamoto, Okayama University, Japan

Co-Chairs: Prof. Yongfeng Lu, University of Nebraska-Lincoln, USA

Prof. Dr. Michael Schmidt, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany

Prof. Mitsuhiro Terakawa, Keio University, Japan

Co-Chair & Program Committee Chair Prof. Santiago M Olaizola, Ceit, Spain

Steering Committee Chair: Dr. Ainara Rodriguez, Ceit, Spain

TOPICS

1. Fundamental aspects (Dynamics, modelling, simulation, etc.)
2. Laser and photochemistry
3. Ultra-short pulse laser processing
4. Burst ablation
5. Advanced laser processing (Fiber laser, disc laser, FEL, etc.)
6. Glass/Ceramic processing
7. VUV laser and X-ray processing
8. Nanotechnology
9. Nano ripple formation
10. Nano- and micro-particles (including laser synthesis and processing in liquids)
11. Micro-machining
12. Micro-drilling and micro-cutting
13. Micro-welding and micro-bonding
14. Micro-forming
15. Micro-patterning and micro-structuring
16. Surface processing (Texturing, cleaning, annealing, modification, etc.)
17. 3-D micro- and nano-fabrication
18. Film deposition and synthesis of advanced materials (PLD, CVD, etc.)
19. Laser-based direct-write techniques
20. Laser-induced forward transfer (LIFT) techniques
21. Lithography (including EUV source and application)
22. Laser devices
23. Beam shaping
24. Optics and systems for laser microprocessing
25. Process monitoring and control
26. Packaging and mounting process
27. Manufacture of micro devices and systems
28. Medical and biological applications
29. Industrial applications
30. Others
31. Special Session: TBA