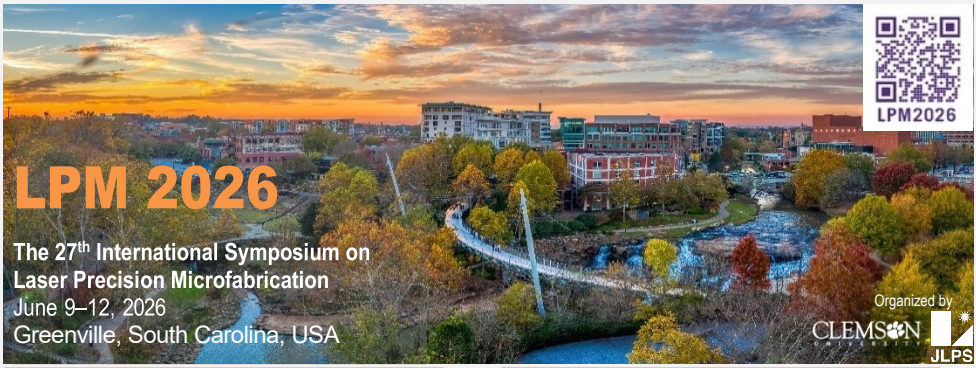

Aim & Scope

The aim of the **International Symposium on Laser Precision Microfabrication (LPM)** 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 scientists, end users and laser manufacturers. We expect that LPM2026 will play an important role not only in understanding fundamental knowledge of laser precision microfabrication but also in forecasting future lasers and the market.

Committee Chairs

General Chair:

» Prof. Yasuhiro Okamoto, Hiroshima University, Japan.

Co-Chairs:

» Prof. Hai Xiao, Clemson University, USA
» Prof. Yongfeng Lu, University of Nebraska-Lincoln, USA.
» Prof. Dr. Ing. Michael Schmidt, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany.
» Prof. Mitsuhiro Terakawa, Keio University, Japan.

Program Committee Chairs:

» Prof. Jie Qiao, Rochester Institute of Technology, USA
» Prof. Xin Zhao, Clemson University, USA

Honorary Chairs:

» Prof. Dr. Isamu Miyamoto, Osaka University, Japan.
» Dr. Koji Sugioka, RIKEN, Japan.
» Dr. Hiroyuki Niino, AIST, Japan.

Steering Committee Chair:

» Dr. Etsuko Mieda, Clemson University, USA

Important Dates

» Abstract submission deadline:
January 31, 2026
» Early-bird registration deadline:
April 3, 2026
» Conference website:
https://www.clemson.edu/cecas/lpm2026/

About Greenville

Nestled in the foothills of the Blue Ridge Mountains, Greenville, SC blends Southern charm with vibrant city life. Stroll along the scenic Liberty Bridge overlooking waterfalls, explore a thriving art scene, and enjoy top-rated restaurants and cozy cafes. With its walkable downtown and warm hospitality, Greenville offers a perfect mix of nature, culture, and relaxation.

Topics

1 | Fundamentals of laser-materials interaction
2 | Modeling, simulation, and AI approaches for laser- material interactions
3 | Laser-based direct writing
4 | 3D printing and additive manufacturing
5 | Lithography (including EUV source and application)
6 | Laser synthesis and processing of functional nanomaterials
7 | Film deposition and synthesis of advanced materials (PLD, CVD, etc.)
8 | Laser-induced forward/backward transfer (LIFT/LIBT) techniques
9 | Laser drilling, cutting, and forming
10 | Micro-welding and micro-bonding
11 | Micro/nano-machining and fabrication
12 | Surface micro/nano structuring
13 | Surface modification (such as polishing, cleaning, shock peening, and heat treatment)
14 | Glass, ceramic, and other transparent materials processing
15 | Process monitoring and control
16 | Beam shaping
17 | Novel systems and Processes (VUV laser, X-ray, and GHz bursts and more)
18 | Laser sources and systems

19 | Packaging and mounting process
20 | Manufacturing of micro-devices and systems
21 | Sensing, diagnostics, and instrumentation
22 | Laser processing for battery, fuel-cell, electrolyzer, fusion energy, and other energy devices
23 | Laser material processing for extreme environments
24 | Other industrial applications (energy, semiconductor, aerospace, biomedical, manufacturing, automotive, and more)
25 | Special sessions: TBA