



# 9th International Symposium on Laser Precision Microfabrication

---

**June 16-20, 2008**  
**Quebec City, Quebec, Canada**

Abstract Submission Due Date:  
**February 12, 2008**

---

LPM 2008, a unique opportunity to visit **Quebec City!**

Watch out, or you may fall under Quebec City's spell! As you explore the winding side streets, on foot or in a horse-drawn carriage, the romance of the city will enrapture you. With its architecture, and old stone fortifications, unique to North America, the Quebec City region offers a distinctive cultural and historical heritage... And in 2008, Quebec City will be celebrating the 400th anniversary of its founding with a bang!

Even though this capital city is steeped in history, Quebec has one of the highest concentrations of research and technology transfer centers in Canada: 6,000 researchers, 400 world-class laboratories and research facilities specialized in optics and photonics, biomedical applications, defence and security.

Tourist information:  
[www.quebecregion.com](http://www.quebecregion.com)  
[www.bonjourquebec.com](http://www.bonjourquebec.com)  
[www.quebec400.qc.ca](http://www.quebec400.qc.ca)

# Aim and Scope

Miniaturization and high precision are rapidly becoming a requirement on many industrial processes and products. As result, there is greater interest in the use of laser microfabrication approaches to achieve these goals. The International Symposium on Laser Precision Microfabrication (LPM) is annually held to provide a forum for research and technology development in the area of laser micro/nanofabrication. The topics encompass novel developments in hardware, software and in the fundamental chemistry/physics that buttress laser material interaction process. The unique aspect of this symposium is the interchange between fundamental research and industrial applications.

LPM is held alternately in Japan and in other host countries. To date, LPM has been successfully hosted in Omiya/Japan (2000), Singapore (2001), Osaka/Japan (2002), Munich/Germany (2003), Nara/Japan (2004), Williamsburg/USA (2005), Kyoto/Japan (2006) and Vienna/Austria (2007). This cycle is switched from 2008, and hereby LPM 2008 will take place in Quebec City, Canada.

The aim of LPM 2008 is to provide a forum for discussion on the fundamental aspects of laser/material interaction, the state of the art of laser materials processing and in the germination of next-generation ideas that arises from collaborating scientists, end users and laser manufacturers. The LPM 2008 Proceedings will be published online, and also submitted manuscripts have a chance to be published in the Journal of Laser Micro/Nanoengineering after peer review.

We extend a welcome and hope that you will join us at LPM 2008 in Quebec City, Canada.



## LPM Topics:

1. Fundamental aspects (Dynamics, modeling, simulation, etc.)
2. Process monitoring and control
3. Laser and Photochemistry
4. Nanotechnology
5. Ultra-short pulse laser processing
6. VUV laser and X-ray processing
7. Advanced laser processing (fiber laser, disc laser, FEL, etc.)
8. Surface treatment (exturing, cleaning, annealing, modification, etc.)
9. Micro-patterning and micro-structuring
10. Micro-machining
11. 3-D micro- and nano-fabrication
12. Laser-based direct-write techniques
13. Glass/Ceramic processing
14. Drilling and cutting
15. Welding and bonding
16. Micro-forming
17. Wafer dicing
18. Marking and trimming
19. Packaging and mounting process
20. Lithography (including EUV source and application)
21. Manufacture of micro devices and systems
22. Film deposition and synthesis of advanced materials (PLD, CVD, etc)
23. Nano- and micro-particles
24. Medical and biological applications
25. Optics and systems for laser microprocessing
26. Laser devices
27. Industrial applications
28. Others

## Organizers:

JLPS, Japan Laser Processing Society, Japan  
PÔLE, Canada  
CIPI, Canadian Institute for Photonics Innovations, Canada  
COPL, Centre d'optique photonique et laser, Laval University, Canada  
LPL, Laser Processing Laboratory, École Polytechnique, Canada  
INO, National Optics Institute, Canada  
CRULRG, Centre de recherche Université Laval Robert-Giffard, Neurophysics, Canada  
PhasOptx, Canada  
RIKEN – The Institute of Physical and Chemical Research, Japan  
AIST, National Institute of Advanced Industrial Science and Technology, Japan

## General Chair:

Prof. Isamu Miyamoto, Osaka University (Japan)

## Co-Chairs:

Prof. Michel Meunier, EPM (Canada)  
Dr. Koji Sugioka, RIKEN (Japan)  
Prof. Alfred Vogel, Universität Lübeck (Germany)  
Dr. Alberto Piqué, Naval Research Laboratory (USA)  
Prof. Réal Vallée, COPL (Canada)  
Dr. Arnold Gillner, Fraunhofer Institute ILT, Aachen (Germany)  
Prof. Seiji Katayama, Osaka University (Japan)  
Prof. Kazuyoshi Itoh, Osaka University (Japan)

For more information about LPM 2008, please contact  
Mrs Karine Lapointe at [karine.lapointe@pole-qca.ca](mailto:karine.lapointe@pole-qca.ca).

