



COLA '05



8th International Conference on Laser Ablation
Banff, Canada
September 11-16, 2005

TOPICS INCLUDE

- **Fundamentals of Laser - Material Interaction**
 - Modeling and Simulation
 - Ultrafast Laser Processes
 - Laser Surface Interactions
 - High Field Physics
- **Nanoscience – Nanotechnology**
 - Clustering and Nanoparticle Formation
 - Combinatorial PLD
 - Nanoscale Processing by Near Field Technologies
 - Laser Synthesis of Carbon Nanotubes
- **Pulse Laser Deposition**
 - Film Synthesis
 - New Materials
 - Diagnostics
- **Advanced Sources and Systems**
 - Ultrafast Lasers in Material Processing
 - Laser Produced Particle Beams
 - Complementary Techniques
 - Novel Workstations
- **Laser Materials Processing**
 - Surface Modification Applications
 - Laser Cleaning
- **Analytical Applications**
 - Diagnostics
 - LIBS
 - Mass Analysis
 - MALDI
 - Microprobes
- **Laser Ablation Applications**
 - Industry
 - Biology and Medicine
 - Art Conservation
 - Micromachining
- **Microprocessing Applications**
 - Micromanipulation
 - Direct Printing (MAPLE, LIFT)
 - MEMS and MOEMS
 - Laser Lithography
 - 3D Structuring for Photonic Applications
 - Rapid Prototyping
 - Lab-on-a-Chip

COLA'05 takes place at The Banff Center, nestled amongst the Canadian Rocky Mountains in the natural beauty of Canada's, Banff National Park. Banff is one of the world's premier natural settings, consisting of stunning valleys, mountains, glaciers, forests, meadows and rivers.

**THE BANFF
CENTRE
CANADA**



The Banff Centre offers a unique campus learning environment with first rate accommodation and conference facilities. The Banff Centre is an incubator of creativity that inspires scientists, artists, and business leaders from around the world.



Co-Chairs: P. Herman (Canada)
W. Hess (USA)
D. Bäuerle (Austria)
H. Koinuma (Japan)

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