

LPM 2005

The 6th International Symposium on
Laser Precision Microfabrication
Science and Applications

April 4-7, 2005 in Colonial Williamsburg, Virginia USA

Hosts:

Fred Dylla, Jefferson Lab, USA
Michelle Shinn, Jefferson Lab, USA

General Chair:

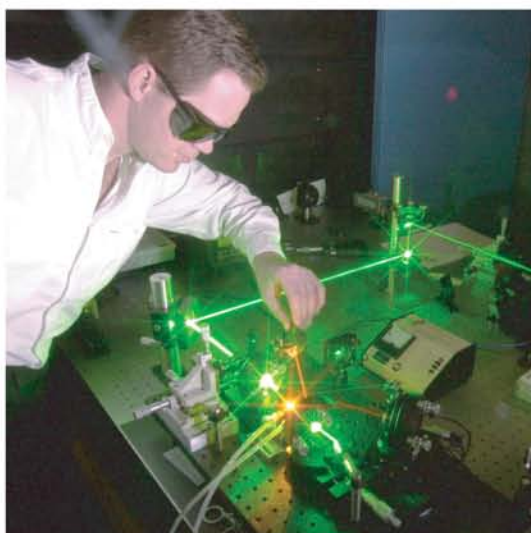
Isamu Miyamoto, Osaka University, Japan

Co-Chairs:

Henry Helvajian, The Aerospace Corporation, USA
Koji Sugioka, RIKEN, Japan
Andreas Ostendorf, Laser Zentrum Hannover, Germany

Hosted by Jefferson Lab

The world's first high Average Power (KW class), MHz Pulse Rate UV-IR-THz
Free Electron Laser (FEL) Facility, designed for Material Processing.



In Colonial Williamsburg

Colonial Williamsburg is a living, working 18th century town as well as a
world-class cultural and historical institution.



www.jlab.org/intralab/calendar/archive05/LPM

Sponsored by:

- US Department of Energy Office of Science, USA (DOE)
- Air Force Office of Scientific Research, USA (AFOSR)
- National Institute of Advanced Industrial Science & Technology, Japan (AIST)

- Japan Laser Processing Society (JLPS)
- The International Society for Optical Engineering, USA (SPIE)

About Jefferson Lab



Jefferson Lab conducts basic research of the atom's nucleus at the quark level.

Thomas Jefferson National Accelerator Facility (Jefferson Lab) is funded by the Office of Science for the U.S. Department of Energy (DOE). As a user facility for scientists worldwide, its primary mission is to conduct basic research of the atom's nucleus at the quark level.

Jefferson Lab has three main nuclear physics research campaigns; investigations into the structure of nuclear building blocks, the structure of nuclei and symmetry tests in nuclear physics. With industry and university partners, it has a derivative mission as well: applied research for using the Free-Electron Lasers based on technology, superconducting radio-frequency, the laboratory uses to conduct its physics experiments.

Jefferson Lab created the world's most powerful Free Electron Laser (FEL) for infrared light. On July 15, 1999 the Jefferson Lab FEL exceeded its design goal of 1,000 watts by producing 1,720 watts of infrared light. The IR FEL is now being upgraded to 10kW average power and a second kW class UV FEL is being assembled for operation in 2005.

The FEL has also produced the world's highest power THz light. The FEL facility includes user laboratories that have enabled investigations on laser material interaction science and technology. At kilowatt levels, the Jefferson Lab FEL offers researchers a unique tool for science and industrial processing with light. **A VISIT TO JLAB AND THE FEL IS SCHEDULED AS PART OF THE LPM 2005 MEETING.** <http://www.jlab.org/FEL/>

About Williamsburg, VA



Ideals about democracy were originally formulated in the historic area of Williamsburg

Once Virginia's colonial capital, and a catalyst for American independence and democracy, today Colonial Williamsburg (www.history.org) is a living, working 18th century town as well as a world-class cultural and historical institution. Located on 173 wooded acres, Williamsburg features over 500 buildings and 90 acres of landscaped gardens. Highlights include the Governor's Palace, the Capitol, Bruton Parish Church, plus the Abby Aldrich Rockefeller Folk Art Museum, the DeWitt Wallace Decorative Arts Museum, and authentic period dining at historic taverns.

April is peak spring flower time in Williamsburg, with mild days and cool nights. The town's beautiful gardens and tree-lined streets are best toured on foot, so bring casual clothes and comfortable walking shoes.

In addition to its own charms, Williamsburg is just a short drive from the region's many other attractions, including Jamestown – the first permanent English settlement in the New World, and Yorktown – site of the deciding land battle between Britain and the Colonies. Other nearby attractions include championship golf courses, Busch Gardens, Water Country USA, and lovely Colonial Plantations along the scenic James River.

Location



Access to Williamsburg

Williamsburg is served by both the Richmond and Norfolk International Airports (each approximately 45 minutes away), as well as by the smaller Newport News International Airport (about 20 minutes away). Regular commercial shuttle service is available at all these airports. Dulles International Airport, outside Washington DC, is about 3 hours away. Arrangements will be made for limited chartered bus service from Dulles Airport to the hotel. Also, Amtrak offers train service from Union Station in D.C. to Williamsburg.

Hotel Information

LPM 2005 will be held April 4-7, 2005, at the Radisson Fort Magruder Hotel and Conference Center in Williamsburg, Virginia. The hotel is surrounded by history – built on an actual Civil War battle site.

Newly renovated in authentic colonial décor, all guest rooms offer high-speed internet access. Most have a balcony or patio overlooking beautifully landscaped grounds. The conference room rate is \$99/night plus tax, single or double occupancy. Online reservations will be available through a customized web page the hotel will set up specifically for LPM 2005.

<http://radisson.com/williamsburgva>