

# MIIPS™ Workshop

August 15-17, 2008

## Program

### Friday, August 15

- 5:00 – 7:00 pm Registration and Dinner – Woody's Oasis
- 7:00 – 8:00 pm **Professor Marcos Dantus**, Towards Building a Universal Laser Source: Ultrashort shaped pulses can be used to cause excitation anywhere in the electromagnetic spectrum
- 8:00 – 9:00 pm **Dr. Igor Pastirk**, Introduction to Pulse Shaping

### Saturday, August 16

- 8:00 – 9:00 am Breakfast at hotel
- 9:00 -10:00 am **Yves Coello**, Multiphoton Intrapulse Interference, and Its Relation to Coherent Control
- 10:00 -11:00 am **Bingwei Xu**, Pulse Characterization and Multiphoton Intrapulse Interference Phase Scan (MIIPS)
- 11:15 - 12:00 pm **Professor Marcos Dantus**, Applications of Ultrashort Shaped Pulses: Multiphoton Imaging, Micromachining, and Standoff Detection
- 12:00 – 1:00 pm Lunch – Georgio's
- 1:00 – 2:20 pm **Hands-on Session 1**
- 2:20 – 2:40 pm Coffee Break
- 2:40 – 4:00 pm **Hands-on Session 2**
- 4:00 – 5:30 pm **Hands-on Session 3**
- 6:00 – 8:00 pm Dinner at Sansu Sushi & Cocktails
- 8:00 – 10:00 pm Poster Presentations and Refreshments

### Sunday, August 17

- 8:00 – 9:00 am Breakfast at hotel
- 9:00 - 10:00 am **Professor Vadim Lozovoy**, Spatio-Temporal Effects that may arise in pulse shapers
- 10:00 - 11:00 am **Coherent Inc.**, Ultrafast Laser Sources
- 11:00 - 12:00 pm **Professor Marcos Dantus**, Concluding Remarks, and Future Directions