

# Ultrafast Optics VII, High Field Short Wavelength XIII

UFO-HFSW '09

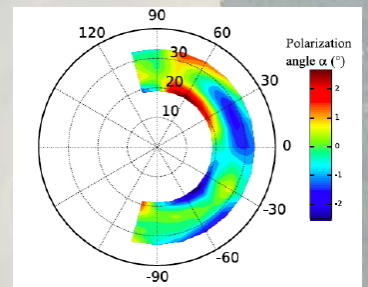
Arcachon, France, August 31-September 4, 2009

## Objective:

Ultrafast Optics has traditionally been a meeting centered on applied ultrafast science with emphasis on the latest technology, instrumentation and methods. UFO VII is ideally co-located with the topical meeting on High Field and Short Wavelengths, where themes of high intensities and ultrafast timescales are central. HFSW XIII centers on the scientific advances in high field phenomena and in the generation of intense coherent short wavelength light including, but not limited to, XUV and X-ray sources, attosecond science, and coherent optics. This conference follows the UFO-HFSW '05 conference (Nara, Japan, Sept. 25-30, 2005) and the UFO-HFSW '07 conference (Santa Fe, USA, Sept. 2-7, 2007).

## Topics:

- Parametric and Quantum amplifiers of ultrashort pulses
- New architectures and materials for pico and femtosecond pulse generation
- Ultrahigh peak-power laser systems: related technologies, bottlenecks and applications (HT)
- Optimization and diagnostics for ultrashort pulses (HT)
- Advances in the production of ultrashort UV pulses (HT)
- Imaging with high field short wavelength sources
- Femtosecond fiber lasers (HT)
- Few cycle pulses, CEP control and frequency comb (HT)
- Ultrashort Terahertz sources (HT)
- Attosecond pulse generation, measurement and applications
- Laser-matter interactions and plasmas in intense light fields
- Short wavelength sources (HT)
  - From atoms molecules or ions: Harmonic generation, X-ray laser
  - From particles: Plasma, Compton sources, FEL
- Advanced X-ray optics (HT)
- Novel applications with ultrafast sources



## Conference Chair:

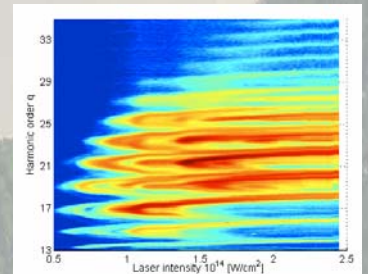
Eric Cormier (CELIA)  
Rodrigo Lopez Martens (LOA)  
G rard Mourou (LOA)

## Local Organization Committee:

Sophie Aussel  
Annie Nadeau  
Didier Briand  
Baptiste Fabre  
Patrick Martin  
Bruno Legarec

## Scientific Committee

Pierre	Agostini
Jaewook	Ahn
Sterling	Backus
Randy	Bartels
Giulio	Cerullo
Jim	Dunn
Chunlei	Guo
Dan	Kane
Wim	Leemans
Zhiwen	Liu
Katsumi	Midorikawa
Howard	Milchberg
Peter	Nickles
Jorge	Rocca
Pascal	Sali�res
Claes-G�ran	Wahlstr�m
Ian	Walmsley
Phillippe	Zeitoun
Chris	Barty
John	Duddley



## Website:

<http://www.ufo-hfsw.org>

## Email:

