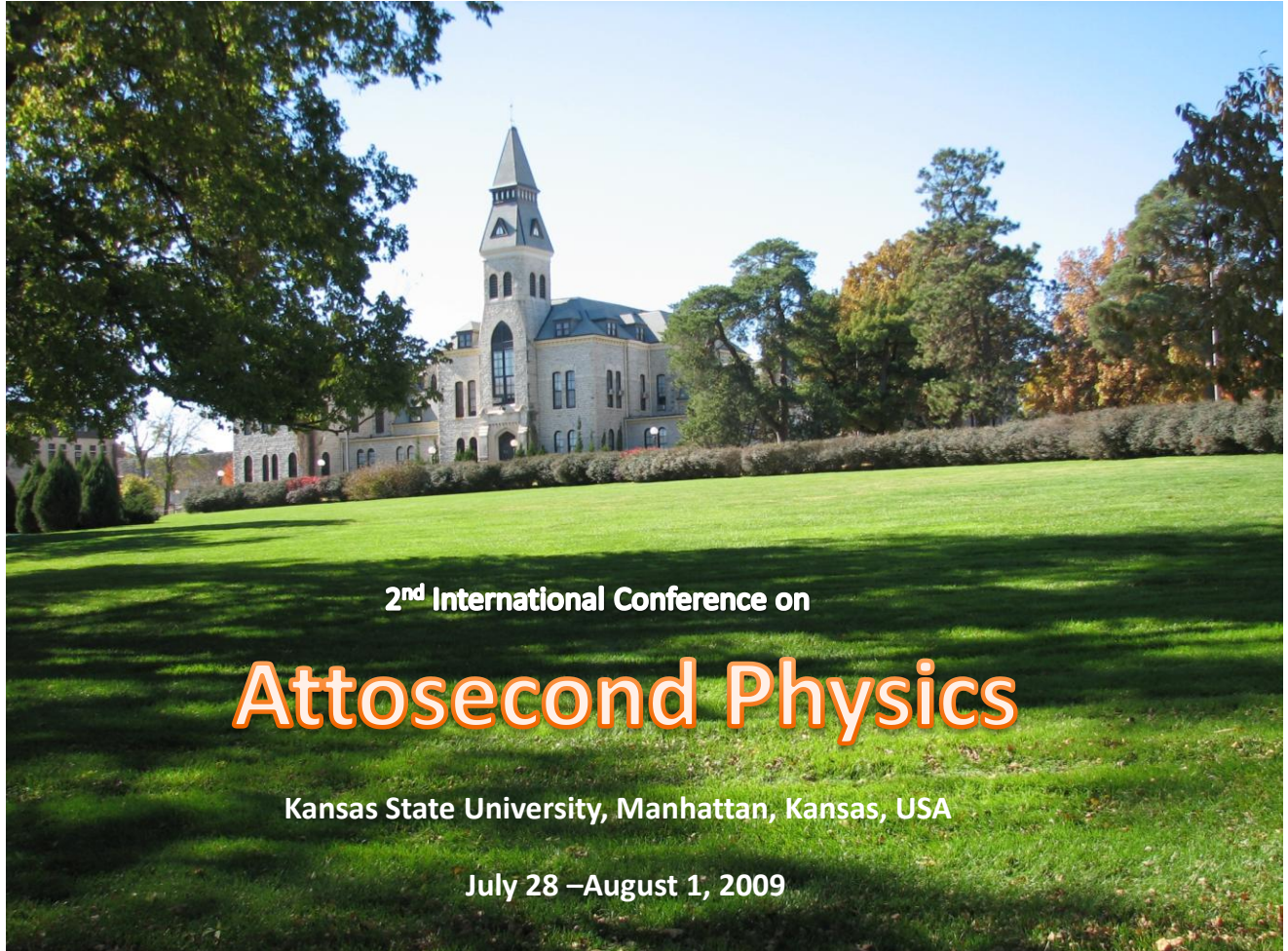


Atto-2009

First announcement: January 30, 2009



Dear colleagues,

It is our pleasure to announce the 2nd International Conference on Attosecond Physics, to be held at Kansas State University's Alumni Center in Manhattan, Kansas. The focus of the conference will be the development and applications of attosecond light sources, with the goal of facilitating the dissemination of the latest ideas and research and to provide an opportunity for discussions. We will be delighted to welcome all of you for a wonderful and exciting scientific experience in Kansas.

C. D. Lin and Zenghu Chang (Co-chairs)

Conference website: <http://jrm.phys.ksu.edu/Atto-09/>

General Information and Deadlines

Brief history of this conference series

An International Workshop on Attosecond Physics was held at the Max Planck Institute for the Physics of Complex Systems in Dresden, Germany, in August 2007 (see <http://www.mpiPKS-dresden.mpg.de/~atto07/> for details). The three co-chairs of that workshop – Paul Corkum, Ferenc Krausz and Jan-Michel Rost – discussed with a few other participants the idea of initiating a new international conference series focusing on the rapidly growing field of attosecond science. It was felt that although many seminars, workshops and symposia have been held on the subject, these have either been limited either in geographical coverage, or in scientific scope. In order to encourage the exchange of ideas and the development of the field, it was decided the Dresden Workshop would be the first of series of International Conferences on Attosecond Physics, and that the second one would be held in North America. Subsequently, Kansas State University was invited to host the second conference.

In accordance with the original goals for this Conference, we shall strive to expand the participant base over scientific as well as geographic areas and do our best to make the Conference a great success. We look forward to seeing you in Manhattan in July!

Workshop topics

- Attosecond pulse generation
- High-order harmonic generation
- Attosecond physics
- Ultrafast dynamics and imaging of molecules
- Laser-plasma interaction and super intense lasers
- Free-electron x-ray lasers
- Coherent control
- High-power ultrafast lasers
- Carrier-envelope phase-controlled ultrafast lasers
- Ultrafast dynamics in solids, surfaces and clusters

Honorary Chairs

- Paul Corkum (Canada)
- Ferenc Krausz (Germany)
- Katsumi Midorikawa (Japan)

Local Co-Chairs

- C. D. Lin
- Zenghu Chang

International Advisory Committee

D. Charalambis (Greece), L. Dimauro (US), P. Echenique (Spain), H. Kapteyn (US), U. Keller (Switzerland), A. Kung (Taiwan), S. Leone (US), A. L'Huillier (Sweden), L. Madsen (Denmark), J. Marangos (UK), D. Mathur (India), C. Nam (Korea), M. Nisoli (Italy), H. Petek (US), A. Pukhov (Germany), J. Rost (Germany), A. Scrinzi (Austria), J. Ullrich (Germany), D. Umstadter (US), M. Vrakking (Holland), Z. Wei (China), M. Wolf (Germany), K. Yamanouchi (Japan).

Members of Local organizing Committee

Kansas State University: I. Ben-Itzhak, K. Carnes, V. Chikan, C. L. Cocke, K. Corwin, B. Depaola, B. Esry, C. Fehrenbach, V. Kumarappan, A. T. Le, I. Litvinyuk, P. Richard, U. Thumm, B. Washburn.

University of Kansas: S. I. Chu

University of Nebraska: A. Starace, C. Uiterwaal

Conference date and venue

The 2nd International Conference on Attosecond Physics (Atto-09) will begin with registration and reception on **July 28th, 2009**. The scientific program

will start on July 29th, 2009 and run for four full days. The end of the conference will be marked by a dinner banquet on August 1st.

The invited talks and sessions will take place at Kansas State University's [Alumni Center](#). The poster sessions and selected short oral presentations will take place at the K-State [Student Union](#), a short walk away from the Alumni Center.

We plan to offer participants to take all their meals at the Alumni Center and in the K-State Student Union. This will allow ample opportunities for discussions and interactions.

City of Manhattan and Kansas State University

[Kansas State University](#) got its start in 1858. It is the first college in the US to be officially designated a land-grant university. The main campus is located in Manhattan, Kansas, nicknamed the "Little Apple". It is right on the edge of the Flint Hills of Kansas. Some photos of the campus and the region can be seen at <http://www.phys.ksu.edu/photogallery/manhattan-photos/manhattan.html>.

Hosting Organizations

The local committee at Kansas State University consists of teaching and research faculty working in the [James R. Macdonald Laboratory](#) in the [Department of Physics](#). Dr. Itzik Ben-Itzhak is the Laboratory Director, and Dr. Dean Zollman is the Physics Department Head.

Financial Support

Department of Physics, Kansas State University

Graduate School and Provost Office, Kansas State University

US Department of Energy (pending)

US National Science Foundation (pending)

US Army Research (pending)

Contact address

E-mail: atto-09@phys.ksu.edu

Conference secretary: **Lisa McNeil**, Department of Physics, Cardwell Hall,
Kansas State University, Manhattan, KS 66506, USA

(Phone: +1 785 532 6786) (Fax: +1 785 532 6806)

Conference website: <http://jrm.phys.ksu.edu/Atto-09/>

Important Dates and Deadlines

(Please check the [Atto-09 Conference website](#) frequently for updates)

Pre-registration: Open **NOW**

To help our planning process, please indicate your intention of participation [here](#).

Abstract submission deadline: **May 15, 2009**

Registration deadline: **May 15, 2009**

Hotel reservation deadline: To be announced

Cancellation of registration (fee applies): Before July 1, 2009

Official invitation for Visa Application: **NOW**. Please submit the request via the preregistration form at the Conference website as early as possible.

Scientific Program

List of Invited Speakers:

Overview talks:

R. Kienberger (Germany), **K. Midorikawa** (Japan), **A. L'Huillier** (Sweden), **P. Corkum** (Canada), **D. Neely** (UK), **J. Ullrich** (Germany), **Y. Silberberg** (Israel), **R. Li** (China), **Jun Ye** (USA), **M. Wolf** (Germany).

Progress Reports:

G. Sansone (Italy), **U. Keller** (Switzerland), **H. Mashiko** (USA), **C. H. Nam** (Korea), **D. Charalambidis** (Greece), **L. DiMauro** (USA), **H. Kapteyn** (USA), **P. Salieres** (France), **M. Vrakking** (Holland), **C. Cocke** (USA), **A. Staudte** (Canada), **M. Gaarde** (USA), **S. Leone** (USA), **K. Yamanouchi** (Japan), **J. Marangos** (UK), **Y. Mairesse** (France), **A. T. Le** (USA), **K. Hatsagortsyan** (Germany), **H. Milchberg** (USA), **R. Santra** (USA), **M. Drescher** (Germany), **J. Küpper** (Germany), **D. Umstadter** (USA), **F. Kärtner** (USA), **Z. Wei** (China), **A. Ozawa** (Germany), **J. Rost** (Germany), **S. Cundiff** (USA).

Program

The scientific program will be arranged centered around the ten topics selected for this conference. Each topic has one invited overview talk, followed by a number of invited progress reports. These talks will be given in the morning and early evening after the dinner.

Poster sessions and selected short oral presentations will play a big part at this Conference. The afternoons are dedicated to such sessions. Poster sessions will be held at the K-State Student Union where ample space will be available to set up the posters. From the submitted poster contributions a number of them will be selected for oral presentations.

After the evening oral session, the Alumni Center will stay open for the participants to continue discussions till late in the night.

Participation

The aim of this conference series is to bring researchers working on different aspects of the emerging field of attosecond sciences together to disseminate new findings, and to facilitate developing collaborations. **We expect all participants to stay for the whole duration of the Conference.** In particular, we hope that senior participants will make themselves available to research associates and graduate students. The health of our field depends on the continuing influx of younger scientists to share our excitement.

Registration

Please register online through the conference website (available at a later date). A paper registration form can also be downloaded from the same site and returned by fax to the registration office.

Registration fee and the Meals fee

All participants including invited speakers and session chairs are required to register. Registration forms will only be accepted when payment information is given on the form. The fees mentioned below are in US dollars. The registration will begin approximately around April 1, and the deadline for registration is May 15, 2009.

Following the tradition of the first conference of this series, the participants will be asked to **eat all the meals together**. The total participant fee is \$400 if paid before May 15, 2009 and \$450 after the deadline. This fee includes:

- **All the meals:** Breakfast, lunch and dinner on each of the four days from July 29th through August 1st, 2009. The cookout at Konza Prairie (July 29th) and the Conference Banquet (August 1st) are part of this package.
- **Reception:** The evening of July 28 at the Beach Museum (see below).

- **Bus transportation:** bus ride between Kansas City airport and Manhattan and back (see travel information below.)
- **Access :** to the lectures and poster sessions; catering at coffee breaks and the use of e-mail and web facilities; a printed schedule.

Accompanying persons

No programs are scheduled for the accompanying persons at this time. However, activities will be arranged at the time of the conference. The meals ticket is available to accompanying persons too. If they would like to eat out separately --\$70 per person will be collected for the cost of the cookout and banquet meals. All accompanying persons are invited to the reception on Tuesday evening, July 28, 2009.

Social and Special Programs

Tuesday, July 28, 17:00h-21:00h The Marianna Kistler Beach Museum of Art

Registration and Reception

Wednesday, July 29, 15:30h-17:30h Cardwell Hall

Open House, J. R. Macdonald Laboratory

Wednesday, July 29, 17:30h-21:30h Konza Prairie

Reception, evening cookout and Bison tour

(Separate small fees for the tour)

Saturday, August 1, 18:30h- 21:30h Alumini Center

Banquet

Financial Support

Depending upon the resources available, we will try to help support Junior researchers and participants from less-privileged countries. Please make a request for financial support at the time of registration.

Preparation of Contributions

All the abstracts are to be submitted via the Conference website beginning around April 1, 2009. The deadline for submitting abstracts, including the invited talks and the poster contributions, is May 15, 2009. Only abstracts that conform to the required format will be accepted. More information will be given at the submission website.

From the poster submissions, ***the local committee will select a number of abstracts for the invited oral presentations*** and notify the participants two weeks ahead of the Conference. *Posters submitted after the deadline will not be considered for the invited oral presentations.*

Poster Presentation

Poster sessions will take place in the K-State Student Union, which is just a short walk from the Alumni Center. A 95 cm (w) by 140cm (h) board will be allocated to each poster. Registered posters will be assigned a code indicating the day of presentation.

Invited Papers

Guidelines will be sent to the speakers separately.

Travel and accommodation:

For many Conference participants, the most convenient option would be to arrive at Kansas City International airport (<http://www.flykci.com>). The airport is connected to most airline hubs in the US. **A free shuttle bus service will operate on 28th July from KCI airport to Manhattan, and on 2nd August from Manhattan to KCI.** Car rentals are also available at KCI airport – the drive to Manhattan takes about two hours.

A commercial shuttle service (<http://www.kciroadrunner.com>) also operates between KCI and Manhattan approximately every two hours during the day. The shuttle takes nearly three hours for the journey. Detailed schedule and rates are available on the website. Reservations are recommended.

Manhattan has a small airport (<http://www.ci.manhattan.ks.us/index.asp?NID=14>), served by flights from Kansas City and Denver. Flight details can be found on the airport website.

Rooms for conference participants have been blocked at the **Holiday Inn** at the Campus and the **Clarion Hotel**. Reservations must be made directly with the hotels. **Dormitory-style accommodation will also be available** in the University residence halls. The details will be available at the Conference website. The Holiday Inn is directly across from the Alumni Center. The dormitory is about 10 minutes walk. The Clarion Hotel provides free shuttle between the hotel and the Alumni Center. It is about a 10 minutes ride.