



ICOLS 2011

(May 30th to June 3rd, 2011)

Second Circular

Foreword

This is the second circular for the 20th International Conference on Laser Spectroscopy (ICOLS 2011), providing important information concerning registration, travel and accommodations. It will be held May 30th - June 3rd, 2011 at the Schlosshotel Münchhausen (<http://www.schlosshotel-muenchhausen.com>). The hotel is located in the middle of a unique park landscape next to Hameln in the Weser Uplands near Hannover, Germany.

We will host a reception for all attendees and accompanying persons at the Schlosshotel Münchhausen on Sunday evening starting 4 p. m. till 8 p. m. Sandwiches and soft drinks will be provided. During the conference, a registration and information desk will be located in the lobby of the conference center. Sessions will start on Monday at 8.30 a. m. with a schedule of invited talks, poster sessions, excursions and social activities. The conference will end on Friday after lunch.

Following the usual custom, the program will consist of single sessions of invited talks and high-profile poster sessions covering the latest developments in Laser Spectroscopy and related topics. Scheduling will allow significant time for informal discussions.

Topics will include:

- Atomic and molecular laser spectroscopy
- Precision spectroscopy and metrology
- Laser cooling and trapping
- Degenerate gases, BECs, cold fermions
- Cold collisions and cold molecules
- Atom interferometry
- Quantum optics
- Quantum information based on spectroscopic methods
- Advanced laser sources, nonlinear optics and spectroscopy
- Ultrafast spectroscopy, optical combs, atoms in high fields
- Novel applications of laser spectroscopy
- Spectroscopic tests of fundamental physics
- Laser spectroscopy enabled applications
- Late breaking results

Confirmed invited speakers include:

- David DeMille (USA)
- Michael Drewsen (Denmark)
- Nathan Goldman (Belgium)
- Randy Hulet (USA)
- Hidetoshi Katori (Japan)
- Michael Köhl (UK)
- Stephan Kuhr (Germany)
- Anne L'Huillier (Sweden)
- Astrid Lambrecht (France)
- Morgan Mitchell (Spain)
- Giovanni Modugno (Italy)
- Tracy Northup (Austria)
- Silke Ospelkaus (Germany)
- Tilman Pfau (Germany)
- Nathalie Picqué (Germany)
- Arno Rauschenbeutel (Germany)
- Gerhard Rempe (Germany)
- Monika Ritsch-Marte (Austria)
- Ralf Röhlsberger (Germany)
- Till Rosenband (USA)
- Peter Rosenbusch (France)
- Matthew Sellars (Australia)
- Yoshiro Takahashi (Japan)
- Andrew White (Australia)
- Jing Zhang (China)
- Peter Zoller (Austria)

Meeting Format

Following tradition and by design, participation in ICOLS 2011 will be limited to approximately 200 attendees by invitation only. The program will consist of about 32 invited oral presentations (daily single session format) and two evening poster sessions. Wednesday afternoon will be held free for informal discussions and recreational activities.

Written contributions from the invited speakers will be compiled and published in the conference proceedings, which will be distributed to all attendees. If electronic copies of the posters are provided to the organizers by the conclusion of the conference, they will be made available on a DVD for all attendees (depending on author's agreement).

The organizing committee solicits contributions for the poster sessions, which should be in the form of a concise summary of 300 words or less for consideration. Prospective contributors should submit their summaries by March 31st to icols2011@iqo.uni-hannover.de.

Prospective attendees and/or contributors can register their interest in ICOLS 2011 and will be included in future correspondence by emailing ICOLS2011@iqo.uni-hannover.de. Please visit our website <http://www.iqo.uni-hannover.de/icols2011.html>, which will be kept up to date.

Registration

Attendance is by invitation only and the number of delegates will be limited to approximately 200. The pre-registering will start on January 15th, 2011.

From February 21st, 2011 we will inform about an acceptance to the conference. The confirmation mail will contain the registration form.

Invitations are obtained by pre-registering on the conference website:

http://www.iqo.uni-hannover.de/powermail.html?&no_cache=1

Conference Fee

The registration fee is EURO 680 prior to April 14th, 2011 and EURO 780 thereafter. The fee will cover the cost of the technical conference, the proceedings, and

Sunday:	reception and soft drinks
Monday:	lunch, dinner, coffee breaks, soft drinks and beer during the poster session
Tuesday:	lunch, dinner, coffee breaks, soft drinks and beer during the poster session
Wednesday:	lunch, coffee break, soft drinks
Thursday:	lunch, coffee breaks, soft drinks, conference dinner including soft drinks, beer and wine
Friday:	lunch, coffee break

Soft drinks will be available throughout the days.

Venue

The Schlosshotel Münchhausen (<http://www.schlosshotel-muenchhausen.com>) is located in the middle of a unique park landscape next to Hameln in the Weser Uplands near Hannover, Germany. The Schlosshotel Münchhausen is reachable by car or by the shuttle bus, which will start at different hotels in Hameln (length of the trip about 15 minutes for those, who are not accommodated at Schlosshotel Münchhausen - see below).

The **Weser Uplands** (German: *Weserbergland*) is a hill region in Germany (Lower Saxony, Hessen and North Rhine-Westphalia, between Hannoversch Münden and Porta Westfalica near the river Weser). The tales of the Brothers Grimm are set in the Weser Uplands, and it has many renaissance buildings, exhibiting a peculiar regional style, the so-called Weser Renaissance style. The region roughly coincides with the natural region of the Lower Saxon Hills defined by the Federal Agency for Nature Conservation BfN.

Accommodations

Rooms at a reduced rate for the attendees of ICOLS 2011 have been blocked in the following hotels:

Schlosshotel Münchhausen (<http://schlosshotel-muenchhausen.com/>) (conference site)
(single-rooms 120 EURO to 420 EURO, double-rooms 174 EURO to 440 EURO/night incl. breakfast)

Apartment-Hotel, Hameln (<http://www.apartmenthotel-hameln.de/>)
(single-rooms 61 EURO, double-rooms 68 EURO, twin-rooms 87 EURO/night incl. breakfast)

Mercure, Hameln (<http://www.mercure.com/de/hotel-5397-mercure-hotel-hameln/index.shtml>)
(single-rooms 99 EURO to 109 EURO, double-rooms 149 EURO/night incl. breakfast)

Rattenfängerhotel Berkeler Warte, Hameln (<http://www.rattenfaengerhotel.de>)
(single-rooms 70,50 EURO, double-rooms 91 EURO/night incl. breakfast)

Stadthotel Hameln (<http://www.hotel-stadthameln.de/>)
(single-rooms 89 EURO - 103 EURO/night incl. breakfast)

Zur Krone, Hameln (<http://www.hotelzurkrone.de/>)
(single-rooms 80 EURO, double-rooms 99 EURO/night incl. breakfast)

All hotels reserved are located near city Hameln. A shuttle-service to the conference site will be provided.

The General Terms and Conditions of the hotels shall apply.

Other Services

Beginning Sunday, May 29th, we will have ICOLS 2011 headquarters, registration and information set up at the conference site, Schlosshotel Münchhausen.

Social and Recreational Activities

Wednesday afternoon will be open for a variety of organized or self-guided activities and excursions. Additional programs will be organized throughout the week for accompanying persons. Hameln and the surrounding are offering a lot of distractions, including a number of recreational activities, such as swimming, golf, mountain biking, biking, tennis, health clubs, castles, wildlife parks, shipping, to name a few.

Daytrips to Hannover, Hamburg or Berlin are possible, too.

Climate

Germany has a variable climate with frequent changes of weather from day to day. The character of individual summers and winters may also be very different from year to year, depending on whether oceanic or continental influences dominate. The temperature in June might be between 20 and 25 degrees during daytime with occasional rain showers.

Timeline

Pre-registration start:	January 15 th , 2011
Invitation and payment information	end of February 2011
Third Circular:	March 2011
Deadline accommodations:	March 31 st , 2011
Deadline abstract submission:	March 31 st , 2011
Manuscript submission:	July 14 th , 2011

Transportation

The conference site can be reached by shuttle bus from the hotels in Hameln. Hameln can be reached by train (S-Bahn) from Hannover Airport (60 minutes) or Hannover Main Station (45 minutes). Detailed information will be found at website: <http://www.igo.uni-hannover.de/798.html>

Program Committee

E. Arimondo, Pisa/Italy
V.S. Bagnato, Sao Paulo/Brazil
K. Baldwin, Canberra/Australia
V. Balykin, Troitsk/Russia
J. Bergquist, Boulder/USA
R. Blatt, Innsbruck/Austria
I. Cirac, Garching/Germany
W. Ertmer, Hannover/Germany
E. Giacobino, Paris/France
L. Hollberg, Stanford/USA
M. Inguscio, Firenze/Italy
W. Jhe, Seoul/Korea
M. Kasevich, Sunnyvale/USA
H. Katori, Tokyo/Japan
M. Leduc, Paris/France
M. Lewenstein, Barcelona/Spain
E. Riis, Glasgow/Great Britain
P.O. Schmidt, Braunschweig/Germany

F. Shimizu, Tokyo/Japan
S. Svanberg, Lund/Sweden
W. Ubachs, Amsterdam/Netherlands
V. Vuletic, Cambridge/USA
M. S. Zhan, Wuhan/China

Local Organizers

W. Ertmer
C. Klempt
U. Morgner
Chr. Ospelkaus
S. Ospelkaus
E. M. Rasel
P. O. Schmidt
E. Tiemann