



# ICOLS 2011

(May 30<sup>th</sup> to June 3<sup>rd</sup>, 2011)

## First Circular

### Foreword

The 20<sup>th</sup> International Conference on Laser Spectroscopy (ICOLS 2011) will open with an evening reception on Sunday, 29<sup>th</sup> of May and end on Friday, 3<sup>rd</sup> of June, 2011. The conference will be held at the Schlosshotel Münchhausen near Hannover, Germany.

The Conference serves as an international forum for researchers to discuss the latest ideas, developments and applications of laser spectroscopy. Topics for discussion reflect the broad and diverse nature of our field and 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

### 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 34 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 must submit their summaries by 10<sup>th</sup> April to [icols2011@iqo.uni-hannover.de](mailto:icols2011@iqo.uni-hannover.de).

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

## 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 - s. 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 mentioned hotels:

Schlosshotel Münchhausen (<http://schlosshotel-muenchhausen.com/>) (conference site)

Apartment-Hotel, Hameln (<http://www.apartmenthotel-hameln.de/>)

Mercure, Hameln (<http://www.mercure.com/de/hotel-5397-mercure-hotel-hameln/index.shtml>)

Rattenfängerhotel Berkeler Warte, Hameln (<http://www.rattenfaengerhotel.de>)

Stadthotel Hameln (<http://www.hotel-stadthameln.de/>)

Zur Krone, Hameln (<http://www.hotelzurkrone.de/>)

## Other Services

Beginning Sunday, May 29<sup>th</sup>, 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. Do be prepared for anything, and a rainjacket and a sweater is suggested.

## Timeline

Registration start:	January 1 <sup>st</sup> , 2011
Second Circular:	February 2011
Early registration limit:	March 31 <sup>st</sup> , 2011
Accommodations:	March 31 <sup>st</sup> , 2011
Abstract submission:	March 31 <sup>st</sup> , 2011
Manuscript submission:	July 14 <sup>th</sup> , 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).

## **Programm Committee**

E. Arimondo, Pisa/Italy  
V.S. Bagnato, Sao Paulo/Brazil  
K. Baldwin, Canberra/Australia  
V. Balykin, Troitsk/Russia  
J. Bergquist, Boulder/USA  
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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**

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