



17<sup>th</sup> International Conference on Laser Spectroscopy (ICOLS05)

19<sup>th</sup> – 24<sup>th</sup> June 2005

Cairngorms National Park, Scotland

[www.laserspectroscopy.org](http://www.laserspectroscopy.org)

## THIRD CIRCULAR

March 2005

### 1. General Information

The Conference will be held at the Hilton Coylumbridge Hotel in the Cairngorms National Park in the heart of the Scottish Highlands. Regularly updated information can be found on the Conference web site ([www.laserspectroscopy.org](http://www.laserspectroscopy.org)). The Conference will commence with a welcoming reception at 6.30 pm on Sunday 19<sup>th</sup> of June and close after lunch on Friday 24<sup>th</sup> of June.

Following the usual custom, the Conference 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. **Please note: the deadline for submission of abstracts for consideration for the poster sessions is 15<sup>th</sup> of April 2005.**

#### Topics will include:

- Atomic and molecular laser spectroscopy
- Precision spectroscopy and metrology
- Laser cooling and trapping
- Bose-Einstein condensation, degenerate Fermi gasses, and atom lasers.
- Cold collisions and cold molecules
- Atom optics and interferometry
- Quantum optics and quantum information
- Nonlinear optics
- Laser sources
- Ultrafast spectroscopy and atoms in high fields
- Novel applications of laser spectroscopy

#### Invited speakers:

Oral presentations at the Conference are by invitation by the Programme Committee. Speakers, who have so far accepted invitations:

Christophe Becher (Innsbruck)  
John Bohn (Boulder)  
Phil Bucksbaum (Ann Arbor)  
Keith Burnett (Oxford)  
Steve Chu (Berkeley)  
David DeMille (Yale)  
Peter Drummond (Brisbane)  
Rudi Grimm (Innsbruck)  
Sadia Guellati (Paris)  
John Hall (Boulder)  
Ryugo Hayano (Tokyo)  
Jim Hough (Glasgow)  
Mark Kasevich (Stanford)  
Hidetoshi Katori (Tokyo)  
Ferenc Krausz (Garching)  
Svenja Knappe (Boulder)  
Vladilen Letokhov (Troitsk)  
Helen Margolis (London)

Elena Ostrovskaya (Canberra)  
Pablo Cancio Pastor (Florence)  
Tilman Pfau (Stuttgart)  
Bill Phillips (Gaithersburg)  
Jean-Michel Raimond (Paris)  
Norman Ramsey (Harvard)  
Arno Rauschenbeutel (Bonn)  
Jakob Reichel (Munich)  
Gerhard Rempe (Munich)  
Stefan Schiller (Düsseldorf)  
Anna Sanpera (Hanover)  
Thomas Udem (Munich)  
Ian Walmsley (Oxford)  
Jook Walraven (Amsterdam)  
Carl Wieman (Boulder)  
Dave Wineland (Boulder)  
Jun Ye (Boulder)

## 2. Submission of Abstracts

**Delegates are encouraged to submit abstracts for poster presentations to take place on the evenings of Monday 20<sup>th</sup> and Tuesday 21<sup>st</sup> of June.** Abstracts should be up to two pages and prepared according to the 9x6 inch style given at [http://www.worldscientific.com/style/proceedings\\_style.shtml](http://www.worldscientific.com/style/proceedings_style.shtml). Abstracts should be submitted in pdf format to [abstracts@laserspectroscopy.org](mailto:abstracts@laserspectroscopy.org) by 15<sup>th</sup> of April 2005.

## 3. Conference Venue

The 17th International Conference on Laser Spectroscopy will be held at the Hilton Coylumbridge Hotel ([www.coylumbridge.hilton.com](http://www.coylumbridge.hilton.com)) in the Scottish Highlands from the 19<sup>th</sup> to the 24<sup>th</sup> of June 2005.

The hotel is set in woodlands on the Rothiemurchus estate ([www.rothiemurchus.net](http://www.rothiemurchus.net)) in the heart of the Cairngorms National Park ([www.cairngorms.co.uk](http://www.cairngorms.co.uk)), which encompasses some of the wildest mountain ranges in Scotland.

The location is 2 miles from Aviemore ([www.aviemore.co.uk](http://www.aviemore.co.uk)), one of Scotland's main tourist resorts. There are excellent public transport connections to the nearest airport at Inverness, to Glasgow and Edinburgh international airports, and to London.

The hotel leisure centre includes:

- Swimming pool
- Sauna
- Fitness room
- Solarium

There is also the choice of many outdoor activities and opportunities for sightseeing. These include:

- Mountaineering
- Mountain biking
- Water sports
- Horse riding
- Golf
- Birds and wildlife
- Castles
- Whisky distilleries

Aviemore is located on 57° northern latitude and enjoys long summer days – sunset at midsummer after 10 pm. The daytime temperature is typically 15° - 20°, but there is no guarantee of dry weather!

The Hilton Coylumbridge is a family-friendly hotel, if you would like to bring your children with you, please contact the conference secretariat for information about rates – [secretariat@laserspectroscopy.org](mailto:secretariat@laserspectroscopy.org).

Delegates arriving before Sunday 19<sup>th</sup> of June or wishing to stay on after the conference can book additional nights by contacting the hotel directly (Tel: +44-1479-810661, Fax: +44-1479-811309 ) and quoting ICOLS to receive the following favourable rates:

Per person per night	Single	Twin/Double
Bed and breakfast	£72	£40
Dinner, bed and breakfast	£84	£52

#### 4. Travel/Transfers

Aviemore is on the main road (A9) from Glasgow/Edinburgh to Inverness. There are excellent and frequent public transport connections to Glasgow and Edinburgh by train ([www.nationalrail.co.uk](http://www.nationalrail.co.uk)) and bus ([www.citylink.co.uk](http://www.citylink.co.uk)) and daily train service to and from London ([www.nationalrail.co.uk](http://www.nationalrail.co.uk)). Train and bus time tables for June are not yet available. Aviemore station is a short taxi ride from Hilton Coylumbridge.

Inverness airport ([www.hial.co.uk/inverness-airport.html](http://www.hial.co.uk/inverness-airport.html)) is approximately 40 miles from Aviemore and offers services to major UK airports including Glasgow, Edinburgh and London Heathrow, Gatwick and Luton. For details see [www.britishairways.com](http://www.britishairways.com), [www.flybmi.com](http://www.flybmi.com) and [www.easyjet.com](http://www.easyjet.com).

A taxi from Inverness airport to Aviemore is approximately £50. Information on how to travel by public transport will be provided nearer the time, when summer timetables are available. If the demand is sufficient we intend to provide a bus service in connection with the main London arrivals. **If you would like to make use of this transfer service please e-mail your arrival details to [secretariat@laserspectroscopy.org](mailto:secretariat@laserspectroscopy.org) before 1<sup>st</sup> of June.**

There is limited car hire available in Aviemore, but the usual ones are available at Inverness Airport.

#### 5. Social Programme

Registered delegates and accompanying guests are invited to attend a Civic Reception in the foyer of the hotel at 6.30 pm on **Sunday 19<sup>th</sup> of June**.

A choice of excursions have been arranged for delegates and registered accompanying guests for the afternoon of **Wednesday 22<sup>nd</sup> of June**. Further details of the excursions and relevant links are to be found on the Conference web site.

**If you have yet to sign up for an excursion or want to change please get in touch with [secretariat@laserspectroscopy.org](mailto:secretariat@laserspectroscopy.org) as soon as possible.**

Excursion 1 – Trip on a steam train on the Strathspey Railway ([www.strathspeyrailway.co.uk](http://www.strathspeyrailway.co.uk)) and visit to the Speyside Heather Centre ([www.heathercentre.com](http://www.heathercentre.com))

Excursion 2 – Visit to a Whisky Distillery & Cooperage ([www.glenfarclas.co.uk](http://www.glenfarclas.co.uk))

Excursion 3 – Visit to Ballindalloch Castle ([www.ballindallochcastle.co.uk](http://www.ballindallochcastle.co.uk))

Excursion 4 – Short cruise on Loch Ness ([www.jacobite.co.uk](http://www.jacobite.co.uk)) and visit to the ruins of Urquhart Castle ([www.undiscoveredscotland.co.uk/drumnadrochit/urquhart/](http://www.undiscoveredscotland.co.uk/drumnadrochit/urquhart/))

Excursion 5 – Cairngorm Walk ([www.cairngorms.co.uk](http://www.cairngorms.co.uk)). If the weather is good we are going to hike the mountain called Cairngorm, which at 1245 m is the fifth highest mountain in Scotland. **It is essential that delegated signed up for this excursion bring heavy boots and warm, wind and water proof clothing.**

Excursion 6 – Golf at Boat of Garten Golf Course ([www.boatgolf.com](http://www.boatgolf.com) – an additional charge of £10 applies for this excursion)

After the excursion on **Wednesday 22<sup>nd</sup> of June** delegates and registered accompanying guests are invited to a Midsummer Barbeque in the grounds of the Alvie Estate - a traditional Highland Estate overlooking the Cairngorm hills near the village of Kincaig, 4 miles south of Aviemore ([www.alvie-estate.co.uk](http://www.alvie-estate.co.uk)).

Delegates and registered accompanying guests are invited to attend the Highland Banquet at the Coylumbidge Hotel on the evening of **Thursday 23<sup>rd</sup> of June**. *It is still possible to make this an extra special occasion by hiring Highland Dress.* We have negotiated a special rate of £45 with a local hire company ([www.kilts.co.uk](http://www.kilts.co.uk)). Please get in touch with [secretariat@laserspectroscopy.org](mailto:secretariat@laserspectroscopy.org).

## 6. Accompanying Guests' Programme

An accompanying guests' programme is planned including a trip on the Cairngorm Mountain Railway ([www.cairngormmountain.com](http://www.cairngormmountain.com)) on the Monday afternoon. In addition to this full-day tours are organised for the Tuesday and Thursday (further details and relevant links are found on the Conference web site):

Tour 1 – Blair Castle ([www.blair-castle.co.uk](http://www.blair-castle.co.uk)) and House of Bruar ([www.houseofbruar.com](http://www.houseofbruar.com))

Tour 2 – Inverness

## 7. Registration and Conference Fee

The fees include the following:

### Conference fee:

- Conference Pack including the Programme and other associated materials
- Name badge permitting access to all Sessions
- Lunch and refreshments on 20<sup>th</sup>, 21<sup>st</sup>, 22<sup>nd</sup>, 23<sup>rd</sup> and 24<sup>th</sup> of June
- Admission to social events including the Welcome Reception (19<sup>th</sup>), Conference excursion (22<sup>nd</sup>), Midsummer Barbeque (22<sup>nd</sup>) and Highland Banquet (23<sup>rd</sup>)

## **Accommodation:**

- 5 nights accommodation at the Hilton Coylumbridge\* - arriving Sunday 19<sup>th</sup> of June – departing Friday 24<sup>th</sup> of June 2005.
- Breakfast on 20<sup>th</sup>, 21<sup>st</sup>, 22<sup>nd</sup>, 23<sup>rd</sup> and 24<sup>th</sup> of June
- Dinners on 19<sup>th</sup>, 20<sup>th</sup> and 21<sup>st</sup>.

\* If demand for the Conference is high accommodation may also be offered at the MacDonald Four Seasons Hotel (formerly the Hilton Aviemore Hotel) in Aviemore. This hotel is short drive from the Hilton Coylumbridge and transport will be available to transfer delegates between hotels.

Conference registrants with special needs should contact the Secretariat in advance for assistance – [secretariat@laserspectroscopy.org](mailto:secretariat@laserspectroscopy.org).

## **Registration Information for Accompanying Guests**

The Accompanying Guest Registration Fee includes:

- 5 nights accommodation at the Hilton Coylumbridge Hotel - arriving Sunday 19<sup>th</sup> of June – departing Friday 24<sup>th</sup> of June 2005.
- Name badge
- Breakfast on 20<sup>th</sup>, 21<sup>st</sup>, 22<sup>nd</sup>, 23<sup>rd</sup> and 24<sup>th</sup> of June
- Lunch on 20<sup>th</sup>, 22<sup>nd</sup> and 24<sup>th</sup> of June
- Dinners on 19<sup>th</sup>, 20<sup>th</sup> and 21<sup>st</sup>.
- Admission to social events including the Welcome Reception (19<sup>th</sup>), Conference excursion (22<sup>nd</sup>), Midsummer Barbeque (22<sup>nd</sup>) and Highland Banquet (23<sup>rd</sup>)
- Morning coffee get-together on Monday 20<sup>th</sup> of June followed by an afternoon excursion on the Cairngorm Mountain Railway

General registration will begin on 19<sup>th</sup> of June from 2 pm – 7 pm and will continue on 20<sup>th</sup> of June from 8 am in the hotel foyer. The registration will remain open throughout for general queries.

## **8. Local Organising Committee**

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