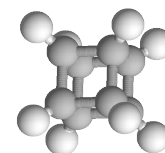


**DIJON 2015**

24 – 28 August, 2015

<http://hrms2015.sciencesconf.org>



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**First Circular: November 2014**

The Colloquium will be held at the "Faculté des Sciences Gabriel" of the "Université de Bourgogne", 6 bd. Gabriel, DIJON – FRANCE (approximately 20 mn by tramway from the train station). The local organization will be undertaken by the "Laboratoire Interdisciplinaire Carnot de Bourgogne" (ICB).

All correspondence should be sent to the secretary of the local organizing committee:

**Mme Sandra GADRET**

**Laboratoire Interdisciplinaire Carnot de Bourgogne, UMR 6303 CNRS-Université de Bourgogne**

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Tel. : +33 3 80 39 60 23, Fax : +33 3 80 39 59 71, E-Mail : [hrms2015@sciencesconf.org](mailto:hrms2015@sciencesconf.org).

**Scientific Program:**

There will be 12 invited lectures and 3 mini-symposia (see page 3). Contributions, which will be presented as posters, will cover the fields of:

- High resolution rotational, vibrational, and electronic spectroscopy of molecules (radicals, ions, complexes, clusters, ...).
- Molecular dynamics.
- Theory assisting the prediction, simulation, and interpretation of spectra.
- New techniques for high-resolution spectroscopy.
- Applications to atmospheric sciences, astrophysics, planetology, combustion, gas phase biomolecules, metrology and fundamental physics, cold molecules, etc.

## Deadlines:

- 2nd circular: **February 2015**.
- Deadline for final registration and submission of abstracts: **June 1<sup>st</sup> 2015**.
- Deadline for final reservation of accommodations: **June 1<sup>st</sup> 2015**.
- 3rd circular with meeting information: **July 2015**.

## Accommodations:

Single rooms are available in student dormitories within easy walking distance of the conference site. Participants who prefer to stay in hotels should make the reservations themselves. For this purpose, a link to the official tourism office is available on the homepage of the colloquium (see below). However, these hotels may be located at some distance from the conference site. Hotel reservations should be made quite early, since August is a highly touristic period.

Meals will be available at the campus restaurant. During the conference there will be an excursion combined with a banquet, and excursions for accompanying persons.

For participants arriving on Saturday, we will offer the possibility to have a student dormitory room for the night from Saturday August 22<sup>nd</sup> to Sunday August 23<sup>rd</sup>.

## Abstracts:

We will use a modified version of the Electronic Abstract Submission (EAS) system developed at the Ohio State University. Detailed instructions will be given in the second circular.

## Fees:

We estimate conference fees to be 300 € (380 US\$), with a reduction for students (160 €, 203 US\$). This price includes congress participation, colloquium proceedings, welcome on Sunday August 23<sup>rd</sup> in the evening, excursion and banquet for participants only. More precise information (including prices for accompanying persons) will be given in the second circular. Fees will increase in case of payment after June 1<sup>st</sup>, 2015.

**WARNING: No cash payment will be accepted** (only credit card or bank transfer payments are possible).

The conference will **try** to raise funds to cover all or part of the local expenses (conference fees, accommodations, and meals) for a **very limited** number of participants from "less favored" countries. Prospective participants, whose participation requires this type of support, are requested to indicate this on their preregistration form. The final application for support must be made when registering, and instructions will be given in the second circular. **Please notice that this kind of support is by no means guaranteed at this stage.**

## Amat-Mills Prize:

As in previous colloquia, a prize will award the best student poster. Instructions for application will be given in the second circular.

## WWW home page:

The conference has a home page on the World Wide Web to provide up-to-date information:

<http://hrms2015.sciencesconf.org>

## Preregistration:

You should preregister (i.e. tell us that you wish to participate to this conference and request the second circular) before February 28<sup>th</sup>, 2015. To do this, please follow the instructions on our home page.

## HRMS DIJON 2015 – LIST OF INVITED SPEAKERS

(Titles of lectures are still preliminary)

<b>Emilio COCINERO</b> <i>Universidad del País Vasco, Leioa, Spain</i>	Elucidating Structures of Carbohydrates by High Resolution Spectroscopies
<b>Jean DEMAISON</b> <i>PhLAM, Université de Lille 1, Lille, France</i>	
<b>Robert GAMACHE</b> <i>University of Massachusetts, Lowell MA, USA</i>	Line Shape Parameters for Molecules Observed in Planetary Atmospheres
<b>John MAIER</b> <i>University of Basel, Basel, Switzerland</i>	
<b>David NESBITT (to be confirmed)</b> <i>JILA, University of Colorado, Boulder CO, USA</i>	
<b>Martin QUACK</b> <i>ETH Zürich, Zürich, Switzerland</i>	
<b>Richard SAYKALLY</b> <i>University of California, Berkeley CA, USA</i>	Spectroscopy of Water: From Microwaves to X-rays
<b>Mélanie SCHNELL</b> <i>Max Planck Institute, Hamburg, Germany</i>	Enantiomer Differentiation Using Broadband Rotational Spectroscopy End Fragment
<b>John STANTON</b> <i>University of Texas, Austin TX, USA</i>	
<b>Vladimir TYUTEREV</b> <i>GSMa, Université de Reims Champagne-Ardenne, Reims, France</i>	Highly Excited Molecular States: Challenge for Spectroscopy, Dynamics, Astrophysics
<b>Wim UBACHS</b> <i>Vrije Universiteit Amsterdam, Amsterdam, Netherlands</i>	Physics Beyond the Standard Model from Molecules
<b>Jun YE</b> <i>JILA, University of Colorado, Boulder CO, USA</i>	

### Mini-symposia

#### • Spectroscopy of planetary atmospheres

<b>Caitlin GRIFFITH (to be confirmed)</b> <i>LPL, University of Arizona, Tucson AZ, USA</i>	
<b>André BUTZ</b> <i>KIT, Karlsruhe, Germany</i>	
<b>Gaëlle DUFOUR</b> <i>LISA, Université Paris 12, Créteil, France</i>	

#### • New experiments with cold molecules

<b>Mike TARBUTT</b> <i>Imperial College, London, United Kingdom</i>	
<b>Gabriele SANTAMBROGIO</b> <i>FIH-MPG, INO-CNR &amp; LENS, Berlin, Germany</i>	A New Molecule Chip: Toward High Resolution Spectroscopy
<b>Iolanda RICCIARDI</b> <i>Istituto Nazionale di Ottica, Napoli, Italy</i>	Optical Parametric Oscillator for Avant-Garde High Resolution Spectroscopy

#### • Excitons, interatomic Coulomb decay, and dipole-dipole interactions

<b>Lorenz CEDERBAUM</b> <i>University of Heidelberg, Heidelberg, Germany</i>	
<b>David PLUSQUELLIC</b> <i>NIST, Boulder CO, USA</i>	State Resolved UV Studies of Flexible Bichromophores
<b>Johannes DEIGLMAYR</b> <i>ETH Zürich, Zürich, Switzerland</i>	