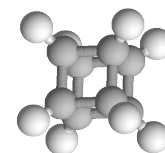


DIJON 2015

24 – 28 August, 2015

<http://hrms2015.sciencesconf.org>



Executive Committee

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Second Circular: March 2015

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 Claire PRIOU-JACOTOT

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

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Tel. : +33 3 80 39 61 39, Fax : +33 3 80 39 59 71, E-Mail : 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.

PLEASE READ CAREFULLY THE FOLLOWING INSTRUCTIONS BEFORE REGISTERING!

Acknowledgments:

We wish to thank the following institutions for their contribution to the success of this conference: Ville de Dijon, Conseil Régional de Bourgogne, CNRS and Université de Bourgogne.

WWW home page:

The conference has a home page on the World Wide Web with URL

<http://hrms2015.sciencesconf.org>

This page is used to provide up-to-date information.

Deadlines:

- Deadline for final registration and submission of abstracts: **June 1st 2015**.
- Deadline for final reservation of accommodations: **June 1st 2015**.
- 3rd circular with meeting information: **July 2015**.

Accommodation:

Single rooms are available in student dormitories within easy walking distance of the conference site. There is a limited number (around 100) "luxury" dormitory room with a private bathroom. Only the first registered people asking for such a room will obtain one.

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 September 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 offer the possibility to have a student dormitory room for the night from Saturday August 22nd to Sunday August 23rd. There is no possibility to have breakfast on the campus on Sunday August 23rd and on Saturday August 29th, but there are some restaurants and shops nearby.

Registration:

PLEASE READ CAREFULLY THIS SECTION!

- ▣ Registration should be made **online only** at this address:
<http://dr06.azur-colloque.cnrs.fr/pre-inscription.php?colloque=63&lang=en>
- ▣ Once going to the above address, you are first asked for your coordinates. Please choose the correct "tarification" category (regular, student, invited speaker, ...).
- ▣ **The invited speaker category only concerns the list of people listed on page 4 of this circular.**
- ▣ Once you have done that, you will receive a confirmation e-mail bringing you to detailed choices and the payment page. Here you have to be **VERY CAREFUL!** You have to choose all the "supplements" to indicate the rooms and meals you want.
Invited speakers should not choose rooms or meals at this stage. We will handle your accommodation and meals separately.
- ▣ **Thus, please review carefully your choices before confirming. Your choice here is definitive. We cannot reimburse you in case of an error at this stage.**
- ▣ Do not forget to indicate if you are vegetarian.
- ▣ As before, there is the possibility to buy a cold evening meal for Sunday August 23rd.
- ▣ Please note again, in case you stay in a campus room, that there will be no breakfast on the campus on Sunday August 23rd and on Saturday August 29th.
- ▣ **VERY IMPORTANT WARNING: No cash payment will be accepted** (only credit card of bank transfer payments are possible).

Sightseeing tour and banquet:

On Wednesday, August 26th, afternoon, there will be a sightseeing tour at the city of Beaune. In the evening, there will be a conference banquet in the *Bastion* of the *Hôtel Dieu* of Beaune. More detail will be given in the Third circular.

Social program for accompanying persons:

A social program will be organized for accompanying persons. It will consist of various sightseeing activities. More detail will be given later on the conference's web site.

Poster sessions:

The poster sessions will take place in the Hall of the « Faculté des Sciences Gabriel ». A white board (1.5 m wide and 1 m high / "landscape" orientation) will be available for each participant wishing to present his/her work.

Abstracts:

Abstracts for the Colloquium must be submitted electronically as a text file formatted as a LaTeX source. Abstracts submitted in any other way **WILL NOT** be accepted.

We also recall that the only oral contributions to this conference are those of the invited speakers (see list on next page). All other contributions are to be presented as posters.

We have chosen this system in order to get a unified presentation for the DIJON 2015 abstract book. The EAS program is a modified version of the EMSS software created by Prof. T. A. Miller and Dr. S. Panov for the OSU Symposium on Molecular Spectroscopy. It was kindly provided to us by Prof. T. A. Miller from the Ohio State University (Columbus, Ohio, USA).

The abstract electronic submission system will be opened on April 15th, 2015.

The deadline for submission is June 1st, 2015.

We indicate below the Web site where to find all the necessary information needed to submit your abstract(s) for DIJON 2015. Please read the instructions carefully. Electronic abstract submission is a very simple process. You will only need to write a simple text (ASCII) file formatted in the correct way.

Note that there is no need for you to install LaTeX on your computer.

Detailed instructions for electronic submission of abstracts can be found on the dedicated Web page,

<http://vesta.u-bourgogne.fr/hrms>

Be careful that before April 15th, this address still points to the program of the previous Dijon 2011 meeting.

Amat-Mills Prize:

The 2015 Amat-Mills Award will be awarded to a young spectroscopist either working for a PhD or having completed it within the last 12 months (at the time of the meeting).

The award will consist of a diploma and the recipient will receive a selection of books.

The candidates must present a regular poster at the "24th Colloquium on High Resolution Molecular Spectroscopy" on their PhD work and assume the sole responsibility for the presentation during the entire session.

Applications are limited to one per research group and must be nominated by the PhD research supervisor who will briefly give the reasons for the nomination (1/2 page). This information, together with the start and expected end dates of the PhD, and a printed copy of the abstract of the poster to be selected for the competition, should be sent to the local organizer before June 1st, 2015.

The abstract itself must also be submitted as indicated above before June 1st, 2015.

HRMS DIJON 2015 – LIST OF INVITED SPEAKERS

(Titles of lectures are still preliminary)

Emilio COCINERO <i>Universidad del País Vasco, Leioa, Spain</i>	Elucidating Structures of Carbohydrates by High Resolution Spectroscopies
Jean DEMAISON <i>Chemical Information Systems, Universität Ulm, Germany and PhLAM, Université de Lille 1, France</i>	Accuracy in Spectroscopy
Robert GAMACHE <i>University of Massachusetts, Lowell MA, USA</i>	Line Shape Parameters for Molecules Observed in Planetary Atmospheres
John MAIER <i>University of Basel, Basel, Switzerland</i>	Electronic Spectra of Organic Radicals and Ions of Relevance to Interstellar Space and Combustion
David NESBITT (to be confirmed) <i>JILA, University of Colorado, Boulder CO, USA</i>	
Martin QUACK <i>ETH Zürich, Zürich, Switzerland</i>	Molecules in Motion: Symmetries and Intramolecular Primary Processes between Yoctoseconds and Days as Derived from High Resolution Spectroscopy
Richard SAYKALLY <i>University of California, Berkeley CA, USA</i>	Spectroscopy of Water: From Microwaves to X-rays
Mélanie SCHNELL <i>Max Planck Institute, Hamburg, Germany</i>	Enantiomer Differentiation Using Broadband Rotational Spectroscopy
John STANTON <i>University of Texas, Austin TX, USA</i>	Recent Advances in Calculations of Vibronic Coupling
Vladimir TYUTEREV <i>GSMA, Université de Reims Champagne-Ardenne, Reims, France</i>	Highly Excited Molecular States: Challenge for Spectroscopy, Dynamics, Astrophysics
Wim UBACHS <i>Vrije Universiteit Amsterdam, Amsterdam, Netherlands</i>	Physics Beyond the Standard Model from Molecules
Jun YE <i>JILA, University of Colorado, Boulder CO, USA</i>	Frequency Comb Spectroscopy – From Mid IR to XUV

Mini-symposia

• Spectroscopy of planetary atmospheres

Caitlin GRIFFITH (to be confirmed) <i>LPL, University of Arizona, Tucson AZ, USA</i>	
André BUTZ <i>KIT, Karlsruhe, Germany</i>	Accurate Remote Sensing of Greenhouse Gases in the Earth's Atmosphere
Gaëlle DUFOUR <i>LISA, Université Paris 12, Créteil, France</i>	Natural and Anthropogenic Contributions to the Atmospheric Composition Variability as Observed from Space

• New experiments with cold molecules

Mike TARBUTT <i>Imperial College, London, United Kingdom</i>	Applications of Cold Molecules to Fundamental Physics
Gabriele SANTAMBROGIO <i>FIH-MPG, INO-CNR & LENS, Berlin, Germany</i>	A New Molecule Chip: Toward High Resolution Spectroscopy
Iolanda RICCIARDI <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

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

**PROVISIONAL PROGRAM OF THE 24th COLLOQUIUM ON
HIGH-RESOLUTION SPECTROSCOPY**

August 24 – 28, 2015, DIJON, FRANCE

DATES	Aug. 24, 2015	Aug. 25, 2015	Aug. 26, 2015	Aug. 27, 2015	Aug. 28, 2015
Hours	Monday	Tuesday	Wednesday	Thursday	Friday
8:30 9:00	8:30 Welcome Inv. speakers A	Inv. speakers E	Inv. speakers I	Inv. speakers K	Inv. speakers P
10:30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
11:00	Poster session B	Poster session F	Inv. speakers J	Poster session L	Poster session Q
12:30 – 14:00	Lunch	Lunch	Lunch	Lunch	Lunch
14:00 15:30 16:00	Inv. speakers C Coffee break Poster session D	Inv. speakers G Coffee break Poster session H	14:00 Sightseeing tour	Inv. speaker M Coffee break Poster session N	
19:00 – 20:00	Town Hall reception	Dinner	19:00 Banquet	Dinner	
Evening		<i>Downtown conference</i> <i>Bar des Sciences</i>	23:00 Bus to Dijon	Poster session O	

Note: The Downtown Conference and the "Bar des Sciences" are planned additional events that will take place downtown for the Dijon people.