



PRAHA2012

The 22nd International Conference on High Resolution Molecular Spectroscopy

Prague, Czech Republic, September 4-8, 2012

LOCAL ORGANIZING COMMITTEE

ŠTĚPÁN URBAN, chairman	PER JENSEN, co-chairman	PETR BENEŠ (ICT)
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INTERNATIONAL STEERING COMMITTEE

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1ST CIRCULAR: OCTOBER 2011

The conference will be held in Prague-Dejvice [close to Vítězné Náměstí with the Metro (subway/underground) station Dejvická], in buildings of the Institute of Chemical Technology and of the Czech Technical University in Prague. The local organization will be undertaken jointly by the Institute of Chemical Technology in Prague, the Academy of Sciences of the Czech Republic (represented by the J. Heyrovský Institute of Physical Chemistry and the Institute of Organic Chemistry and Biochemistry), the Czech Technical University in Prague, Charles University, and the Ioannes Marcus Marci Spectroscopic Society.

Please note that the meeting begins on Tuesday, September 4 in the morning and ends on Saturday, September 8 at lunchtime. This conference concept will typically have you arrive in Prague on Monday, September 3 in the afternoon/evening.

Prague, the capital of the Czech Republic, is a first-rank European cultural centre. It is not only a historical city with an extensive legacy of gothic and baroque cultural treasures, but also a modern metropolis with an infrastructure prepared to welcome more than a million visitors per year (see <http://en.wikipedia.org/wiki/Prague>).

Scientific program

There will be 10 invited talks:

ALAIN CAMPARGUE

Laboratoire de Spectrométrie Physique, Université Joseph Fourier Grenoble, Saint Martin d'Hères, France

Highly Sensitive Experimental Spectroscopic Techniques.

LOTHAR FROMMHOLD

Atomic and Molecular Physics, University of Texas, Austin, Texas, U.S.A.

Collision-Induced Spectroscopy.

ERIC HERBST

Theoretical Chemical Physics, Department of Physics, University of Virginia, Charlottesville, Virginia, U.S.A.

New Telescopes, New Expectations, Puzzling Results.

MICHAEL McCARTHY

Harvard Smithsonian Center for Astrophysics, Cambridge, Massachusetts, U.S.A.

Reactive and Highly Reactive Species: Characterizing Key Intermediates in Combustion, Atmospheric, and Interstellar Chemistries by Rotational Spectroscopy.

TAKAMASA MOMOSE

Department of Chemistry and Department of Physics and Astronomy, University of British Columbia, Vancouver, British Columbia, Canada.

Spectroscopy of Large Hydrogen Clusters in He Droplets.

NATHALIE PICQUÉ

Max-Planck-Institut für Quantenoptik, Garching, Germany

Fourier Transform Spectroscopy with Laser Frequency Combs.

DAVID F. PLUSQUELLIC

Biophysics Group, Optical Technology Division, National Institute of Standards and Technology (NIST), Gaithersburg, Maryland, U.S.A.

Chirped Pulse THz Spectroscopy.

JOHN F. STANTON

Department of Chemistry & Biochemistry, University of Texas, Austin, Texas, U.S.A.

Theoretical Calculations for Open-Shell Molecules.

SERGEI N. YURCHENKO

Department of Physics & Astronomy, University College London, London, UK

Theoretical Simulation of Molecular Spectra for Astrophysical and Atmospheric Applications.

ANNE ZEHNACKER-RENTIEN

Institut des Sciences Moléculaires d'Orsay (ISMO), Université Paris XI, Orsay, France

The Role of Weak Hydrogen Bonds in Chiral Recognition: A Spectroscopic Study in the Gas Phase.

In addition, during the conference the ceremonial Ioannes Marcus Marci Session, held under the auspices of the Czechoslovak Spectroscopic Society, will take place in a historic lecture hall in the city centre. The speakers at this event will be announced later.

Contributions, which will be presented partly as posters and partly as contributed lectures, are invited in the fields of:

- Observation, measurement, and analysis of high resolution rotational, vibrational, or electronic spectra of molecules (radicals, ions, complexes, clusters, ...) in the gas phase or in matrices.
- Experimental techniques for observing such spectra.
- Theory assisting the prediction, simulation, and interpretation of them.
- Applications in related fields such as the physics and chemistry of the atmospheres of planets and cool stars, the physics and chemistry of the interstellar medium, chemical kinetics, biologically important molecules in the gas phase or in matrices, combustion, cold molecules, metrology, etc.

Accommodation

Single and double rooms are available in student dormitories near the conference site. For participants who prefer to stay in hotels, we will attempt to provide rooms (see preregistration form at <http://www.chem.uni-wuppertal.de/conference/prereg.shtml>). However, these hotels may be located some distance from the conference site. Meals will be available at the student cafeteria. During the conference there will be a reception, a chamber concert, excursions for accompanying persons, etc.

2nd circular

February 2012.

Deadline for final registration and submission of abstracts:

May 1st 2012.

Deadline for final reservation of accommodations:

June 1st 2012. See preregistration form at <http://www.chem.uni-wuppertal.de/conference/prereg.shtml>.

3rd circular with meeting information:

June 2012.

Fees:

We estimate the total cost of participation to be about 20500 CZK (~ 830 €) which includes the conference fee 11500 CZK, accommodation (5 nights in a single room of a luxury dormitory) 5500 CZK, and meal package 3500 CZK, with some reduction of the conference fee for students and lower rates for accommodation in the standard dormitory and/or in double rooms. For estimated accommodation rates, see the preregistration form at <http://www.chem.uni-wuppertal.de/conference/prereg.shtml>. More precise information will be given in the second circular with the registration form. In October 2011, 100 CZK (Czech crowns, Kč) is approximately equivalent to 4.05 EUR (€), to 5.45 USD (\$), and to 3.50 GBP (£).

WWW server:

The conference has a home page on the World Wide Web providing up-to-date information. Start browsing at URL

<http://www.chem.uni-wuppertal.de/conference/>

This page will be used to provide up-to-date information.

Preregistration:

You should preregister (i.e., signal your intent to participate in the conference and/or request the second circular) before January 1st 2012.

We would much prefer you to use the fill-out-form of our WWW home page for preregistration at <http://www.chem.uni-wuppertal.de/conference/prereg.shtml>.

This is not only convenient for you, it also represents by far the easiest way for us to process your data.

If for some reason you cannot use the WWW fill-out-form, you should use the ASCII version of the preregistration form which you can get in the file [prereg2012.txt](#) on our [fileserv](#). You can fill it out with an editor and e-mail it to:

praha12@vscht.cz

You can of course also print out the ASCII form, fill it out and send it by paper mail to

PRAHA2012, c/o Professor Štěpán Urban
Institute of Chemical Technology
Faculty of Chemical Engineering
Technická 5, CZ-16628 Praha 6
Czech Republic

However please use the WWW fill-out-form at <http://www.chem.uni-wuppertal.de/conference/prereg.shtml> if at all possible.

PLEASE NOTE THAT PREREGISTRATION DOES NOT REPLACE REGISTRATION! TO PARTICIPATE IN THE CONFERENCE, YOU SHOULD REGISTER USING THE REGISTRATION FORM THAT YOU WILL RECEIVE TOGETHER WITH THE SECOND CIRCULAR. THE REGISTRATION FORM MUST BE FILLED IN, SIGNED AND MAILED OR FAXED TO THE PRAGUE CONFERENCE ADDRESS.