

Les conférenciers

"50ème anniversaire" (45')

M. Herman ULB,
Brussels, Belgium

Overtone spectroscopy and dynamics

Les plénières (45')

B. Bernhardt
Experimental Physics, Graz University
of Technology, Gratz, Germany

Dual comb spectroscopy: a novel tool for
high resolution molecular spectroscopy

H. Fielding
Department of Chemistry,
University College London, UK

Liquid-microjet photoelectron spectroscopy
of biochromophores

B. Jeziorski
Department of Chemistry,
University of Warsaw, Poland

Theoretical determination of accurate atomic
and molecular properties for an optical
pressure standard

T. Giesen
Experimentalphysik V Labor-astrophysik,
Universität Kassel, Kassel, Germany

Laboratory infrared spectroscopy and its
application for astronomical observations

Y.-P. Lee
Applied Chemistry, National Chiao Tung
University, Hsinchu, Taiwan & Institute of
Atomic and Molecular Sciences,
Academia Sinica, Taipei, Taiwan

Infrared spectra of free radicals and protonated
species isolated in solid para-hydrogen

K. Lehmann
University of Virginia's Department of
Chemistry, Charlottesville, USA

Mid-IR near-IR double resonance spectroscopy of
CH₄ and CH₃D

D. Neumark (Mol. Phys. Lecture)
College of Chemistry,
University of California,
Berkeley, USA

High resolution photoelectron spectroscopy
of negative ions

L. Nguyen
LISA, Université Paris 12 /
CNRS, Créteil, France

Understanding (coupled) large amplitude motions -
The interplay of microwave spectroscopy, spectral
modeling, and quantum chemistry

T. Suzuki
Department of Chemistry, Graduate
School of Science,
Kyoto University, Japan

Ultrafast VUV photoelectron spectroscopy of
dynamics in the gas and condensed phases

K. Vodopyanov
College of Optics and Photonics,
University of Central Florida,
Orlando, USA

Massively parallel sensing of trace molecules
and isotopologues with subharmonic
mid-IR frequency combs

Mini-symposia

• MS1: Theoretical predictions of molecular spectra

M. Rey (40')

GSMA, CNRS /
Université de Reims Champagne-Ardenne,
Reims, France

Toward completeness and high accuracy from advanced computational methods: a review

O. Polyansky (40')

Dept. of Physics and Astronomy,
University College London, UK

Extra high accuracy line positions and intensities of three and four atomic molecules from variational calculations

A. Yachmenev (20')

Center for Free-Electron Laser
Science (CFEL), Deutsches
Elektronen-Synchrotron DESY,
Hamburg, Germany

Creating, imaging and controlling chiral molecules with electric fields

C. Sousa-Silva (20')

Dept. of Earth, Atmospheric and
Planetary Sciences, MIT, Cambridge, USA

Advances in the simulation of molecular spectra

• MS2: Environmental far- & mid-IR spectroscopy

B. Drouin (30')

JPL, Pasadena, USA

The PREFIRE (Polar Radiant Energy in the Far-Infrared Experiment) project

A. Cuisset (30') LPCA,

Université du Littoral, Dunkerque,
France

High-resolution rovibrational spectroscopy of molecules with environmental interest using electronic, optoelectronic and synchrotron terahertz sources

R. Motiyenko (30')

PhLAM, Université de Lille / CNRS, Lille,
France

Spectroscopy of atmospherically relevant molecules: the contribution from the terahertz domain

R. Hargreaves (30')

Harvard-Smithsonian Center for
Astrophysics, Harvard, USA

Spectroscopy of gases at high temperature with application to HITEMP

• MS3: Cold molecules for spectroscopy and dynamics

P. Scheier (40')

University of Innsbruck,
Innsbruck, Austria

Spectroscopy of cold molecular ions from doped helium nanodroplets

B. Van de Meerakker (40')

Radboud University, Nijmegen,
The Netherlands

High resolution scattering experiments using velocity controlled molecular beams

H. Williams (20')

Imperial College, London, UK

Laser cooled molecules for tests of fundamental physics

V. Di Sarno (20')

CNR-Istituto Nazionale di Ottica,
Naples, Italy

Lamb-dip spectroscopy of buffer-gas-cooled stable molecules