

**Program of HRMS 2013**  
**August 25 – August 30, 2013**

**SUNDAY, August 25, 2013**

18:00 – 19:00	<b>Official Opening</b>
	conference organizers
19:00 – 21:00	<i>Welcome Party</i>

**MONDAY, August 26, 2013**

**Session A: Molecular Physics Lecture and Invited Speakers**

8:30 – 9:15	I1	<b>Jürgen Troe</b> (München, Germany)	Chair: Martin Quack (Zürich, Switzerland)
<i>From quantum chemistry to dissociation kinetics: what we need to know</i>			
9:15 – 10:00	I2	<b>Samuel Leutwyler</b> (Bern, Switzerland)	Chair: Martin Quack
<i>Rotational Raman coherence spectroscopy: how to determine accurate structures of non-polar molecules</i>			
10:00 – 10:30	<i>Coffee break</i>		

**Session B: Posters**

10:30 – 12:30	<i>Poster session 1</i>		
12:30 – 14:00	<i>Lunch break</i>		

**Session C: Minisymposium on Rare Isotope Detection**

14:00 – 14:30	M1	<b>Livio Gianfrani</b> (Naples, Italy)	Chair: Paolo De Natale (Florence, Italy)
<i>Advances in laser-based isotope ratio measurements</i>			
14:30 – 15:00	M2	<b>Frank Hase</b> (Karlsruhe, Germany)	Chair: Paolo De Natale
<i>Recent progress in remote sensing of tropospheric water vapor isotopomers</i>			
15:00 – 15:30	M3	<b>Pablo Cancio Pastor</b> (LENS, Italy)	Chair: Paolo De Natale
<i>Precision and high sensitivity molecular spectroscopy with frequency comb based sources in the mid-IR</i>			

**Session D: Posters**

15:30 – 17:30	<i>Poster session 2</i>		
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**TUESDAY, August 27, 2013****Session E: Invited Speakers**

8:30 – 9:15	I3	<b>Gerhard Rempe</b> (Garching, Germany)	Chair: Frederic Merkt (Zürich, Switzerland)
		<i>Cold polyatomic molecules: the beginning of a new era?</i>	
9:15 – 10:00	I4	<b>Jochen Küpper</b> (Hamburg, Germany)	Chair: Frederic Merkt
		<i>Controlled molecules for chemical dynamics studies</i>	
10:00 – 10:30	<i>Coffee break</i>		

**Session F: Posters**

10:30 – 12:30	<i>Poster session 3</i>		
12:30 – 14:00	<i>Lunch break</i>		

**Session G: Minisymposium on Small Jet-Cooled Molecules**

14:00 – 14:30	M4	<b>Robert Georges</b> (Rennes, France)	Chair: Michel Herman (Brussels, Belgium)
		<i>Probing rarefied gas expansions by direct absorption FTIR spectroscopy</i>	
14:30 – 15:00	M5	<b>Carine Manca Tanner</b> (Zürich, Switzerland)	Chair: Michel Herman
		<i>Intramolecular processes and high-resolution cavity ring-down spectroscopy of supersonic jet expansions</i>	
15:00 – 15:40	M6	<b>A. Robert W. McKellar</b> (CNRC, Canada)	Chair: Michel Herman
		<i>Infrared spectroscopy of jet-cooled dimers, trimers, and larger clusters</i>	

**Session H: Posters**

15:40 – 17:40	<i>Poster session 4</i>		
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**WEDNESDAY, August 28, 2013****Session I: Invited Speakers**

8:30 – 9:15	I5	<b>Wolfgang Domcke</b> (München, Germany)	Chair: Jonathan Tennyson (London, U.K.)
		<i>Jahn-Teller theory beyond the standard model</i>	
9:15 – 10:00	I6	<b>Veronica Vaida</b> (Boulder, CO, U.S.A.)	Chair: Jonathan Tennyson
		<i>Spectroscopy of organic atmospheric chromophores at or near the water-air interface</i>	
10:00 – 10:30	<i>Coffee break</i>		

**Session J: Posters**

10:30 – 12:30	<i>Poster session 5</i>		
12:30 – 14:00	<i>Lunch break</i>		
14:00 –	<i>Free afternoon</i>		

**THURSDAY, August 29, 2013****Session K: Invited Speakers**

8:30 – 9:15	I7	<b>Ha Tran</b> (Paris, France)	Chair: Vincent Boudon (Dijon, France)
		<i>Recent results on the modelling of isolated line shapes</i>	
9:15 – 10:00	I8	<b>Amanda Ross</b> (Lyon, France)	Chair: Vincent Boudon
		<i>Optical spectra of some metal-containing diatomics, seen in the laboratory and through the telescope</i>	
10:00 – 10:30	<i>Coffee break</i>		

**Session L: Posters**

10:30 – 12:30	<i>Poster session 6</i>		
12:30 – 14:00	<i>Lunch break</i>		

**Session M: Minisymposium of Young Speakers**

14:00 – 14:30	M7	<b>Gary E. Douberly</b> (Athens, GA, U.S.A.)	Chair: Agnes Perrin (Paris, France)
		<i>High-resolution Stark spectroscopy of OH containing complexes in helium nanodroplets</i>	
14:30 – 15:00	M8	<b>Olivier Pirali</b> (Gif-Sur-Yvette, France)	Chair: Agnes Perrin
		<i>Far-infrared Fourier transform spectroscopy on the AILES beamline of synchrotron SOLEIL</i>	
15:00 – 15:30	M9	<b>Stephen D. Hogan</b> (London, U.K.)	Chair: Agnes Perrin
		<i>Experiments with cold, trapped Rydberg atoms and molecules</i>	
19:00 – 22:30	<i>Colloquium Banquet</i>		

**FRIDAY, August 30, 2013**

**Session N: Minisymposium on Nuclear Motions**

8:30 – 9:00	M10	<b>Edit Mátyus</b> (Budapest, Hungary)	Chair: Attila G. Császár (Budapest, Hungary)
		<i>Numerically constructed kinetic energy operators in computational molecular spectroscopy</i>	
9:00 – 9:30	M11	<b>Roberto Marquardt</b> (Strasbourg, France)	Chair: Attila G. Császár
		<i>Spectroscopy and quantum dynamics of copper nitrosyl</i>	
9:30 – 10:00	M12	<b>Gerardo Delgado-Barrio</b> (Madrid, Spain)	Chair: Attila G. Császár
		<i>From <math>H_5^+</math> to larger protonated hydrogen clusters: PES and dynamics</i>	
10:00 – 10:30	<i>Coffee break</i>		

**Session O: Invited Speakers**

10:30 – 11:15	I9	<b>Brooks H. Pate</b> (Charlottesville, VI, U.S.A.)	Chair: Wolfgang Ernst (Graz, Austria)
		<i>Broadband molecular rotational spectroscopy</i>	
11:15 – 12:00	I10	<b>Martina Havenith-Newen</b> (Bochum, Germany)	Chair: Wolfgang Ernst
		<i>Rock and roll at 0.37 K - high-resolution spectroscopy of microsolvated clusters</i>	
12:00 – 12:15	<i>Closing ceremony</i>		