

3rd Asian Workshop on Molecular Spectroscopy (Mar 6-9, 2019)

Mar 6	Mar 7		Mar 8		Mar 9	
14:00 Reception @ Reception Center Experts Building	08:30 Opening	14:00 C1 A Nishiyama	08:30 E1 CJ Moon	14:00 G1 CF Cheng	8:30 H1 ZD Sun	14:30 Lab Tour/City Tour
	08:45 A1 PL Luo	14:30 C2 RM Guo	09:00 E2 HR Tsai	14:30 G2 A. Cheung	8:48 H2 M. Xie	
	09:15 A2 DF Zhao	14:48 C3 M Misono	09:18 E3 Z. Wu	14:48 G3 CW Chen	9:06 H3 XL Li	
	09:33 A3 LH Deng	15:06 C4 TP Hua	09:36 E4 BC Chang	15:06 G4 D Witsch	9:24 H4 JT Yang	
	09:51 A4 YH Tsao	15:24 C5 ZQ Chen	09:54 E5 Y Zhai	15:24 G5 V Perevalov	9:42 H5 W Fan	
	10:09 Coffee, Poster	15:42 Coffee, Poster	10:12 Coffee, Poster	15:42 Coffee Poster	10:00 Coffee	
	11:08 B1 M Baba	16:48 D1 Q Gou	11:08 F1 L Jiang	16:30 Memorial S.	10:30 I1 K Takahashi	
	11:26 B2 G Feng	17:06 D2 N Stolarczyk	11:26 F2 Y Zheng		10:48 I2 C. Fittschen	
	11:44 B3 Y Jin	17:24 D3 Z Liu	11:44 F3 Q Yang		11:06 I3 CL Li	
	12:02 B4 LS Ma	17:42 D4 JU Grabow	12:02 F4 M Biczysko		11:24 I4 YC Hsu	
				11:42 Award/Closing		
17:30 Dinner #	12:30 Lunch *	18:00 Dinner #	12:30 Lunch *	18:30 Banquet \$	12:20 Lunch *	

All lectures are at 5th floor of East Campus Activity Center (东区活动中心五楼)

* Lunches at 3rd floor of East Campus Activity Center (东区活动中心三楼)

Dinners at 2nd floor of Reception Center Experts Building (专家楼二楼)

\$ Banquet at 1st floor Gaosu New Century International Hotel (高速开元酒店一楼自助餐厅)

Program March 6th-9th

March 6th, Wed.

14:00-18:00 Reception at USTC Reception Center Experts Building

17:30 Dinner buffet at USTC Reception Center Experts Building 2nd floor

March 7th, Thu.

8:00 – 8:30 Registration at Venue (5th floor of East Campus Activity Center)

8:30 – 8:45 Welcome

Session A Chair: Bor-Chen Chang

8:45 – 9:15 **PL Luo**
(A1) High-resolution mid-infrared laser spectroscopy of small Criegee intermediates

9:15 – 9:33 **DF Zhao**
(A2) High resolution laser spectroscopy of astrophysically relevant small molecules

9:33 – 9:51 **LH Deng**
(A3) Measurement of OH Radicals Based on Concentration Modulation Absorption Spectroscopy

9:51 – 10:09 **YH Tsao**
*(A4) HCl Formation in the Reaction of Cl Atom with trans-2-Butene Probed with Step-scan Time-resolved Fourier-transform IR Emission Spectroscopy

10:09-11:08 Coffee break and posters

Session B Chair: Thomas Schultz

11:08 – 11:26 **M Baba**
(B1) High-resolution spectroscopy of 9-methylantracene

11:26 – 11:44 (B2)	G Feng Rotational and theoretical characterization of sulfur centered non-covalent interactions
11:44 – 12:02 (B3)	Y Jin The preferred conformers of the tetrafluoro-1,3-dithietane- isopropylamine complex by rotational spectroscopy
12:02 – 12:20 (B4)	LS Ma Study on the Stark effect to conversion of nuclear spin isomers of CH ₃ OH
12:30 – 14:00	Lunch buffet (3rd floor of East Campus Activity Center)
Session C	Chair: Kaito Takahashi
14:00 – 14:30 (C1)	A Nishiyama Highly Sensitive and Broadband Frequency Comb Spectroscopy Using a High Finesse Cavity
14:30 – 14:48 (C2)	RM Guo Comb-assisted Pound-Drewe-Hall-locked cavity ring-down spectrometer
14:48 – 15:06 (C3)	M Misono Frequency control of a single mode Ti:Sapphire laser with reference to an optical frequency comb
15:06 – 15:24 *(C4)	TP Hua Cavity-enhanced saturation spectroscopy of molecules by three methods
15:24 – 15:42 (C5)	ZQ Chen High-resolution Gigahertz and Terahertz Spectroscopy of the isotopically chiral molecule trans-2,3-dideutero-oxirane (c-CHD-CHDO)
15:42 – 16:30	Coffee break and posters
Session D	Chair: Ling Jiang
16:48 – 17:06 (D1)	Q Gou Rotational Pursuits on Internal Dynamics of Water in Molecular Complexes

17:06– 17:24 **N Stolarczyk**
*(D2) *Ab initio* quantum scattering calculations of beyond-Voigt line-shape parameters for the H₂-He system for the HITRAN database

17:24 – 17:42 **Z Liu**
*(D3) Mid-infrared quantum cascade laser spectroscopy of the Ar-NO complex: fine and hyperfine structure

17:42 – 18:00 **J.U Grabow**
(D4) Dual Excitation-Emission Propagation (DEEP) vs. Coaxial Orientation Beam-Resonator Arrangement (COBRA) FTMW Spectrometers: Rotational Studies of (chiral) Molecules/Complexes in Jets (& Flames)

18:00 Dinner buffet at USTC Reception Center Experts Building 2nd floor

March 8th, Fri.

Session E Chair: Malgorzata Biczysko

8:30 – 9:00 **CJ Moon**
(E1) IR induced isomerization of invisible isomers (I⁵) spectroscopy: watching the invisible conformers of *ortho*-substituted phenols

9:00 – 9:18 **HR Tsai**
*(E2) Infrared Spectra of BrC₆H₆ in Solid *p*-H₂

9:18 – 9:36 **Z. Wu**
*(E3) Spectroscopic Detection of Interstellar Sulfur Oxides

9:36 – 9:54 **BC Chang**
(E4) Spectroscopic Studies of Luminescent Crystals Containing Trivalent Lanthanides

9:54 – 10:12 **Y Zhai**
*(E5) Quantum Vibration Perturbation Theory: A Way of Systematically Improving the Accuracy in Simulating Infrared Probe Spectra

10:12 – 11:08	Coffee break
Session F	Chair: Chuan-Xi Duan
11:08 – 11:26 (F1)	L Jiang Vacuum Ultraviolet Free Electron Laser-Based Infrared Spectroscopy of Neutral Water Clusters
11:26 – 11:44 *(F2)	Y Zheng Rotational spectroscopy of the n-propylamine-water complex
11:44 – 12:02 *(F3)	Q Yang Theoretical Investigations of the Optical Properties of Helicene-Iridium Complexes
12:02 – 12:20 (F4)	M Biczysko Molecular systems under external stimuli
12:30 – 14:00	Lunch buffet (3rd floor of East Campus Activity Center)
Session G	Chair: Masatoshi Misono
14:00 – 14:30 (G1)	CF Cheng Dissociation energy of molecular hydrogen at 10^{-9} accuracy
14:30 – 14:48 (G2)	A.S.-C Cheung Electronic transitions of ScO in the UV region
14:48 – 15:06 *(G3)	CW Chen A new $4\Sigma - a^4\Pi_i$ Electronic Transition of ScC in the near infra-red
15:06 – 15:24 (G4)	D Witsch Infrared Spectroscopy of TiO in a supersonic jet expansion
15:24 – 15:42 (G5)	V Perevalov Line intensities of the radioactive isotopologues of the carbon monoxide molecule
15:42 – 16:30	Coffee break

16:30 **Memorial Session, Chair: Jens-Uwe Grabow**

18:30 – 20:00 **Conference Banquet at Gaosu New Century International Hotel Anhui**

March 9th, Sat.

Section H **Chair: Qian Gou**

8:30 – 8:48 **ZD Sun**
*(H1) Conversion dynamics of nuclear spin isomers of the CH₃OH molecule in the gas phase

8:48 – 9:06 **M. Xie**
(H2) Spectral Characterization of Three-Electron Two-Center (3e-2c) Bonds of Gaseous CH₃SH Clusters

9:06 – 9:24 **XL Li**
*(H3) Sulfur hydrogen bonding: diethyl disulfide-H₂O dimer in gas phase studied by microwave spectroscopy

9:24 – 9:42 **JT Yang**
*(H4) QVP Theory: Application to the Sum Frequency Generation

9:42 – 10:00 **W Fan**
*(H5) Amyloid Fibrillation of Hen Egg White Lysozyme Accelerated by Succinimide

10:00 – 10:30 **Coffee break**

Section I **Chair: D.-F. Zhao**

10:30 – 10:48 **K Takahashi**
(I1) Is the OH Stretching Vibrational Transition Moment of Simple Molecules Aligned Along the OH Bond?

10:48 – 11:06 **C. Fittschen**
(I2) Near-IR spectroscopy of Radicals using cw-CRDS coupled to Laser photolysis

10:06 – 11:24 **CL Li**

(13)	A proposal for laser directly cooling AgH & AgD radicals
11:24 – 11:42	YC Hsu
(14)	The electronic excited state of C3Ar studied by hole burning spectroscopy and the ab initio calculation
11:42 – 12:10	Award and Closing
12:20 – 13:50	Lunch buffet (3rd floor of East Campus Activity Center)
14:00-	Lab Tour/City Tour

Campus Map

