

# The 2nd Workshop on Frontier Investigations of Key Species in Atmospheric Chemistry and Astrochemistry

## Symposium Schedule

Date: Sept. 9, 2021

Venue: R210, Science Building II, NYCU

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09:00~		Registration
09:20-09:30		Welcome : Yuan-Pern Lee
09:30-10:00	01	Pei-Ling Luo (IAMS) <i>Simultaneous determination of multiple reaction species with mid-infrared time-resolved dual-comb spectroscopy</i>
10:00-10:30	02	Chao-Yu Chung (NSYSU) <i>Kinetics of the reactions of CH<sub>2</sub>OO with NO<sub>2</sub> and O<sub>3</sub> by mid-IR off-axis integrated output spectroscopy</i>
10:30-11:00		Coffee break & photo
11:00-11:30	03	Chen-An Chung (NYCU) <i>Mid-IR spectra and kinetic studies of Criegee intermediates investigated with quantum cascade lasers coupled with a Herriott cell</i>
11:30-12:00	04	Yen-Hsiu Lin (IAMS) <i>Absolute UV Cross Sections of Criegee Intermediates Measured by Photodepletion Method in a Flow Cell</i>
12:00-13:30		Lunch
13:30-14:00	05	Kaito Takahashi (IAMS) <i>What have we learned from the calculation of the rate coefficients for Criegee intermediates with amino alcohols?</i>
14:00-14:30	06	Jer-Lai Kuo (IAMS) <i>Development of Ab Initio Anharmonic Algorithms</i>
14:30-15:00		Coffee break
15:00-15:30	07	Wen-Bing Shih (NSRRC) <i>Defect-enhanced Photoluminescence of Graphene and its Role in ERE</i>
15:30-16:00	08	Prasad Ramesh Joshi (NYCU) <i>Production of •CD<sub>2</sub>NH<sub>2</sub>, CD<sub>2</sub>NH, CD<sub>2</sub>NCl, and CD<sub>2</sub>HNNH<sub>2</sub> in the reaction H + methyl amine-d<sub>3</sub> (CD<sub>3</sub>NH<sub>2</sub>) in solid p-H<sub>2</sub> and its implication in astrochemistry</i>
16:00-16:20		Prepare flash talks and post posters
16:20-17:10		Flash talks for poster presenters
17:10-18:00		Dinner
18:00-20:00		Poster section

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