

# Chiu-Lin Lee (Lance Lee)

(510)-495-2412

llee@lbl.gov

Lawrence Berkeley National Laboratory, Chemical Sciences Division  
*Postdoctoral Fellow*

Berkeley, California  
2014 - Present

## EDUCATION

University of California, Berkeley  
*Ph.D. in Chemistry*

Berkeley, California  
May 2014

National Taiwan University  
*Bachelor of Science in Chemistry*

Taipei, Taiwan  
August 2008 - May 2006

## POSTERS & PRESENTATIONS

American Geophysical Union Fall Meeting 2013  
Poster presentation  
*On OH and O<sub>3</sub> Reaction Rates With Isoprene-Derived Hydroxy Nitrates*

San Francisco, California  
December 2013

Atmospheric Chemical Mechanism 2012  
Poster presentation  
*On the Coupled Chemistry of Ozone and Organic Nitrates as Observed in Uintah Basin, Utah During Winter*

Davis, California  
December 2012

American Geophysical Union Fall Meeting 2012  
Keynote presentation  
*On the Coupled Chemistry of Ozone and Organic Nitrates as Observed in Uintah Basin, Utah During Winter*

San Francisco, California  
December 2012

American Geophysical Union Fall Meeting 2011  
Poster presentation  
*Reactive Uptake Coefficients for NO<sub>3</sub> on Squalane and Squalene Aerosol*

San Francisco, California  
December 2011

American Chemical Society National Meeting 2011  
Poster presentation  
*Reactive Uptake Coefficients for NO<sub>3</sub> on Squalane and Squalene Aerosol*

Denver, Colorado  
August 2011

Atmospheric Chemical Mechanism 2010  
Poster presentation

Davis, California  
December 2010

*A GC-LIF System for Specific Detection of Multifunctional RONO<sub>2</sub>*

American Geophysical Union Fall Meeting 2010  
Poster presentation

San Francisco, California  
December 2010

*A GC-LIF System for Specific Detection of Multifunctional RONO<sub>2</sub>*

American Chemical Society National Meeting 2006  
Poster presentation

San Francisco, California  
August 2006

*Crossed Molecular Beam Study of Fluorine and Dimethyl Sulfide*

The 10th East Asia Workshop on Chemical Reactions  
Participation

Taipei, Taiwan  
July 2006

Chinese Chemical Society Annual Meeting 2005  
Poster presentation

Taipei, Taiwan  
November 2005

*Crossed Molecular Beam Study of Fluorine and Dimethyl Sulfide*

## EXPERIMENTS & WORKSHOPS

National Center for Atmospheric Research  
Participated in workshop for  
*Community Earth System Model (CESM)*

Boulder, Colorado  
August 2012

Uintah Basin Winter Ozone Study (UBWOS) 2012 Campaign  
Performed measurements at Horsepool Site

Uintah Basin, Utah  
January - February 2012

- *NO<sub>2</sub>, total peroxy nitrates (ΣPNs) and total alkyl nitrates (ΣANs)*
- *NO<sub>2</sub>, ΣANs, particulate organic nitrates*

Experiment at Lawrence Berkeley National Laboratory  
Advanced Light Source Beamline 9.0.2 (Chemical Dynamics)

Berkeley, California  
October 2010

## PUBLICATIONS

1. Lee, L.; Wooldridge, P.; de Gouw, J.; Brown, S.; Bates, T.; Cohen, R., Particulate Organic Nitrates Observed During UBWOS 2012. *Manuscript in preparation.*
2. Lee, L.; Wooldridge, P.; Gilman, J.; de Gouw, J.; Warneke, C.; Cohen, R., Low Temperatures Enhance Organic Nitrate Formation: Evidence from Observations in the Uintah Basin Winter Ozone Study. *Atmospheric Chemistry and Physics Discussion* **2014**, 14, 17401-17438.
3. Teng, A. P., Crouse, J. D., Lee, L., St. Clair, J. M., Cohen, R. C., and Wennberg, P. O.: Hydroxy Nitrate Production in the OH-Initiated Oxidation of Alkenes. *Atmospheric*

*Chemistry and Physics Discussion* **2014**, 14, 6721-6757

4. Lee, L.; Teng, A.; Crouse, J.; Wennberg, P.; Cohen, R., On Rates and Mechanisms of OH and O<sub>3</sub> Reactions with Isoprene-derived Hydroxy Nitrates. *The Journal of Physical Chemistry A* **2014**, 118, 1622-1637.
5. Lee, L.; Wooldridge, P.; Nah, T.; Wilson, K.; Cohen, R., Observation of rates and products in the reaction of NO<sub>3</sub> with submicron squalane and squalene aerosol. *Physical Chemistry Chemical Physics* **2013**, 15 (3), 882-892.
6. Lu, Y.-J.; Lee, L.; Pan, J.-W.; Xie, T.; Witek, H. A.; Lin, J. J., Barrierless reactions between two closed-shell molecules. I. Dynamics of F(2)+CH(3)SCH(3) reaction. *Journal of Chemical Physics* **2008**, 128 (10).
7. Lu, Y.-J.; Lee, L.; Pan, J.-W.; Witek, H. A.; Lin, J. J., Dynamics of the F-2+CH<sub>3</sub>SCH<sub>3</sub> reaction: A molecule-molecule reaction without entrance barrier. *Journal of Chemical Physics* **2007**, 127 (10).

#### AWARDS

National Taiwan University Dean of College of Science Award	Taipei, Taiwan June 2006
Phi Tau Phi Scholastic Society Elected Member	Taipei, Taiwan June 2006
China Technical Consultant Inc. (CTCI Foundation) Yuan-Tseh Lee Fellowship	Taipei, Taiwan June 2006
National Taiwan University Student Service Education Award	Taipei, Taiwan May 2006
National Taiwan University Presidential Awards (6 times, one for each semester)	Taipei, Taiwan 2003 - 2005
National Science Council (NSC), Taiwan Award of Innovation of NSC Junior Student Summer Study	Taipei, Taiwan November 2005

#### MEMBERSHIP

American Geophysical Union Member	2010 - Present
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American Chemical Society  
Member

2011 - 2012

Phi Tau Phi Scholastic Society  
Lifetime Member

2006 - Present

### **TEACHING EXPERIENCE**

University of California, Berkeley  
Teaching Assistant for CHEM 120B

Berkeley, California  
February - May 2010

University of California, Berkeley  
Teaching Assistant for CHEM 15

Berkeley, California  
August - November 2008

University of California, Berkeley  
Teaching Assistant for CHEM 1A

Berkeley, California  
February - May 2008