

# Jack J. Lin

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Atlanta, Georgia 30332-0340 e-mail: jack.lin@eas.gatech.edu
- RESEARCH INTERESTS Cloud condensation nuclei (CCN) measurements and instrument development.  
Aerosol impacts on cloud properties and precipitation.
- EDUCATION **Georgia Institute of Technology**, Atlanta, Georgia  
*Ph.D., Earth and Atmospheric Sciences* **August 2009 – present**
  - Advisor: Professor Athanasios Nenes
  - Cloud Condensation Nuclei Spectra: Laboratory Techniques and Ambient Sampling**California Institute of Technology**, Pasadena, California  
*B.S., Chemical Engineering (Environmental)* **September 2005 – June 2009**
  - Advisor: Professor Richard C. Flagan
  - Instrument Development for the Measurement of Atmospheric Nanoparticles
- HONOURS AND AWARDS NASA Graduate Student Researchers Program Fellowship, 2009 – present.  
Georgia Tech President's Fellowship, 2009 – present.  
William N. Lacey Summer Undergraduate Research Fellow, 2008.  
Arloa Gassaway Scholarship, 2006 – 2008.  
National Merit Scholar, 2005.
- FIELD MISSIONS CalNex: CIRPAS Twin Otter. Ontario, CA, May 2010  
CalWater: DoE/PNNL G-1. Sacramento, CA, February – March 2011.  
E-PEACE: CIRPAS Twin Otter. Marina, CA, August – September 2011.  
DC3: NASA DC-8. Salina, KS, May – June 2012.  
DISCOVER-AQ: NASA P-3B. Palmdale, CA, January – February 2013.
- SELECTED PUBLICATIONS [1] Coggon, M. M., Sorooshian, A., Wang, Z., Metcalf, A. R., Frossard, A. A., **Lin, J. J.**, Craven, J. S., Nenes, A., Jonsson, H. H., Russel, L. M., Flagan, R. C., and Seinfeld, J. H. (2012), Ship impacts on the marine atmosphere: insights into the contribution of shipping emissions to the properties of marine aerosol and clouds, *Atmospheric Chemistry and Physics*, 12(18), 84398458.  
[2] Russell, L. M., Sorooshian, A., Seinfeld, J. H., Albrecht, B. A., Nenes, A., Ahlm, L., Chen, Y.-C., Coggon, M. M., Craven, J. S., Flagan, R. C., Frossard, A. A., Jonsson, H., Jung, E., **Lin, J. J.**, Metcalf, A. R., Modini, R., Mülmenstädt, J., Roberts, G. C., Shingler, T., Song, S., Wang, Z., and Wonaschütz, A. (*in press*), Eastern Pacific Emitted Aerosol Cloud Experiment (E-PEACE), *Bulletin of the American Meteorological Society*.  
[3] Hersey, S. P., Craven, J.S., Metcalf, A. R., **Lin, J. J.**, Latham, T. L., Suski, K. J., Cahill, J. F., Duong, H. T., Sorooshian, A., Jonsson, H. H., Nenes, A., Prather, K. A., Flagan, R.C., and Seinfeld, J. H. (*in review*), Composition and Hygroscopicity of the Los Angeles Aerosol: CalNex, *Journal of Geophysical Research - Atmospheres*.  
[4] Raatikainen, T., Nenes, A., Seinfeld, J.H., Morales, R., Moore, R.H., Latham, T.L., Lance, S., Padro, L.T., **Lin, J.J.**, Cerully, K., Bougiatioti, A., Cozic, J., Ruehl, C., Chuang, P.Y., Anderson, B., Flagan, R.C., Jonsson, H., Mihalopoulos, N., and Smith, J.N. (2013), Worldwide data sets constrain the water vapor uptake coefficient in cloud formation, *Proceedings of the National Academy of Sciences*.
- PROFESSIONAL MEMBERSHIP American Association for Aerosol Research  
American Geophysical Union
- COMPUTER SKILLS IGOR Pro, L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>.