

PUBLICATIONS

- ★ **K. Gleason**, S. Saraf, S. Seal, S. A. Putnam, *Nanoscale* – Under Review 2017.
- ★ F. Carbone, **K. Gleason**, A. Gomez, *Combust. Flame* – In Press 2017.
- ★ F. Carbone, **K. Gleason**, A. Gomez, *Proc. Combust. Inst.* 36 – In Press 2017.
DOI Link: [DOI: 10.1016/j.proci.2016.07.041](https://doi.org/10.1016/j.proci.2016.07.041)
- ★ **K. Gleason**, H. Voota, S. A. Putnam, *Int. J. Heat Mass Transf.* 30:418-426, October 2016.
DOI Link: [10.1016/j.ijheatmasstransfer.2016.04.075](https://doi.org/10.1016/j.ijheatmasstransfer.2016.04.075)
- ★ **K. Gleason**, F. Carbone, A. Gomez, *ESSCI Spring Meeting*, March 2016.
- ★ **K. Gleason**, and S. A. Putnam, *Langmuir*, 30(34):10548–10555, August 2014.
DOI Link: [10.1021/la501770g](https://doi.org/10.1021/la501770g)
- ★ **K. Gleason**, and S. A. Putnam, *IEEE ITherm 2014*, 1222-1227, Orlando, FL, USA, May 27th – 30th 2014.
DOI Link: [10.1109/ITHERM.2014.6892420](https://doi.org/10.1109/ITHERM.2014.6892420)
- ★ **K. Gleason**, *Master's Thesis*, University of Central Florida, May 2015.
DOI Link: [29CF033997444](https://doi.org/29CF033997444)
- ★ **K. Gleason**, *Honors Undergraduate Thesis*, University of Central Florida, May 2014.
DOI Link: [29CF032803112](https://doi.org/29CF032803112)

PRESENTATIONS

- ★ Oral Presentation – ‘Pressure Effects on Incipently Sooting Partially Premixed Counterflow Flames of Ethylene,’ 36th International Symposium on Combustion, Seoul, Korea, August 1st 2016.
- ★ Poster Presentation – ‘Incipently Sooting Partially Premixed Counterflow Flames’ 2016 Combustion Summer School, Princeton University, June 22nd 2016.
- ★ Oral Presentation – ‘Pressure Effects on Incipently Sooting Partially Premixed Counterflow Flames of Ethylene,’ Eastern States Section of the Combustion Institute 2016 Spring Meeting, Princeton University, March 14th 2016.
- ★ Poster Presentation – ‘Steady State Microdroplet Evaporation,’ Graduate Research Forum, University of Central Florida, March 31st 2015.
⇒ Honorable Mention Award
- ★ Oral & Poster Presentation – ‘Steady State Microdroplet Evaporation: Fundamentals for Thermal Management and Applications to Monolayer Materials,’ Department of Mechanical and Aerospace Engineering Graduate Research Symposium, University of Central Florida, February 6th 2015.
⇒ Best Presentation Award
- ★ Poster Presentation – ‘Test Measurement of Water Vapor Migration Between a Simulated Launch Site Environment and Pre-Conditioned Air Volume,’ AIAA SciTech 2015 Conference, Kissimmee, FL, January 8th 2015.
- ★ Poster Presentation – (Invited) ‘Microdroplet Evaporation with a Forced Pinned Contact Line,’ Summer Research Academy, University of Central Florida, June 13th 2014.
- ★ Oral & Poster Presentation – ‘Simulating the Evaporation of Pinned Water Microdroplets with Implementation of a Surface Concentration Distribution,’ IEEE ITherm 2014, Orlando, FL, May 30th 2014.
- ★ Poster Presentation – ‘Microdroplet Evaporation with a Forced Pinned Contact Line,’ Showcase of Undergraduate Research Excellence, University of Central Florida, April 3rd 2014.
⇒ Honorable Mention Award.