

Sean Clees

Ph.D. Student in Mechanical Engineering, admitted Autumn 2018

Publications

PUBLICATIONS

- **Multi-speciation and ignition delay time measurements of ammonia oxidation behind reflected shock waves** *COMBUSTION AND FLAME*
Rault, T. M., Clees, S., Figueroa-Labastida, M., Barnes, S. C., Ferris, A. M., Obrecht, N., Callu, C., Hanson, R. K.
2024; 260
- **Low-temperature oxidation of n-octane and n-decane in shock tubes: Differences in time histories of key intermediates** *COMBUSTION AND FLAME*
Choudhary, R., Clees, S., Boddapati, V., Shao, J., Davidson, D. F., Hanson, R. K.
2023; 251
- **A laser-absorption sensor for in situ detection of biofuel blend vapor in engine intakes** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*
Clees, S., Cha, D. H., Biswas, P., Boddapati, V., Cassady, S. J., Strand, C. L., Hanson, R. K., French, B., Gilmour, A., Hawk, K. C., Stitt, J. M., Ferlet, X.
2023; 39 (1): 1307-1316
- **Shock tube study of ethanol pyrolysis II: Rate constant measurements and modeling** *COMBUSTION AND FLAME*
Choudhary, R., Boddapati, V., Clees, S., Girard, J. J., Peng, Y., Shao, J., Davidson, D. F., Hanson, R. K.
2021; 233
- **Shock tube study of ethanol pyrolysis I: Multi-species time-history measurements** *COMBUSTION AND FLAME*
Choudhary, R., Boddapati, V., Clees, S., Girard, J. J., Peng, Y., Shao, J., Davidson, D. F., Hanson, R. K.
2021; 233
- **Measurement of time histories of stable intermediates during first stage ignition of n-heptane and its two isomers in a shock tube** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*
Choudhary, R., Girard, J. J., Clees, S., Johnson, S. E., Shao, J., Davidson, D. F., Hanson, R. K., Aradi, A. A.
2021; 38 (1): 957-965
- **ROLE OF TURBULENCE IN PRECESSING VORTEX CORE DYNAMICS**
Karmarkar, A., Frederick, M., Clees, S., Mason, D., O'Connor, J., ASME
AMER SOC MECHANICAL ENGINEERS.2019