

Katy Kolasinski

Undergraduate Research Assistant

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BIO:

Katy Kolasinski is an undergraduate student at the University of Alabama in Huntsville pursuing a Bachelor's of Science in Mechanical Engineering with Aerospace concentration. She is working as a research assistant for Dr. Kunning Xu in the Plasma and Electrodynamics Research Lab. She has pursued plasma science research as a part of her Honors project. As a part of her coursework, she has taken rocket propulsion, product realization senior design, and fundamentals of aerodynamics. While working in the PRC, she assists with new experiment setups, operating procedure reviews, and experiment operations. One of her current projects is to assist with the experimental investigation of an atmospheric-pressure radio frequency plasma source. This source has nanomaterial and biomedical applications. Katy is currently a member of Sigma Gamma Tau, SWE, NSBE, AIAA, and IEEE.

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RELEVANT PUBLICATIONS:

1. Kolasinski, K. M., Harlow, W., Xu, K. G., "Optimum Antenna Design for Microplasma Generation." 2013 IEEE Pulsed Power & Plasma Science Conference, San Francisco, CA, 2013.