



Wade W. Harlow

Graduate Research Assistant

UAH Propulsion Research Center



BIO:

Mr. Wade Harlow is currently pursuing a PhD in Aerospace Systems Engineering. This work involves research in advanced propulsion topics. His current research involves atmospheric pressure micro plasma produced using a radio source with Dr. Gabe Xu. In addition to this work Mr. Harlow is assisting in the set up and renovation of lab space and equipment for Dr. Xu's research group. His work with Dr. Xu focuses on plasma science, electromagnetic interactions, plasma system design, and plasma phenomena. During the summer of 2012 he assisted Professor Jason Cassibry and PhD student Ross Cortez on the DM2/Charger One project. Also during that summer, he was selected to participate in the Center for Space Plasma and Aeronomic Research's space weather program in conjunction with DLR in Germany, which provided a month long exposure to plasma physics and space plasma phenomena.

Mr. Harlow has experience with MATLAB and Arduino microcontroller programming. In addition, he has produced CAD models using SolidWorks and AutoCAD. From his construction experience, he is familiar with general documentation requirements for contract completion, material testing for concrete and asphalt and reading blueprints. His objective with his PhD program is to continue in advanced propulsion topics, with an eventual goal of performing research and development either in industry or a university setting.

Contact Information:

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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.