NASA holds a competitive program each year for 3-year awards totaling $750K. A 50% match is required from the State. 26 states are eligible for the NASA EPSCoR program. Alabama currently has 3 awards. We have also been awarded a “Research Infrastructure Development” or RID, Program. These funds are used for small “Seed Grants” to researchers in early stages of their careers. We also award one or two internships for students to attend a summer research experience at a NASA Center. In 2012, Alabama was awarded the Minority Serving Institution (MSI) Faculty Engagement Competition. The award amount was $250K over a 2-year period.

3 Current NASA EPSCoR Research CAN (award $750K for 3 yrs) from Alabama:

Drs. K.T. Hsiao, USA and M. Hosur, TU
Drs. Kevin Chou, Viola Acoff, and Leila Ladani, UA
Drs. Ajay Agrawal and Brian Fisher, UA

5 Current NASA EPSCoR Seed Grant (award $16K/yr for 1-4 yrs) from Alabama:

Dr. T. Grant Glover, USA
Dr. Sarma Rani, UAHuntsville
Dr. Lingze Duan, UAHuntsville
Dr. George Nelson, UAHuntsville
Dr. Jaber Abu Qahouq, UA

Minority Serving Institution (MSI) Program (award $250K for 2 yrs):

Drs. Anup Sharma and A. Kassu, AAMU and Dr. Junpeng Guo, UAHuntsville

University College Student Supported by NASA EPSCoR from Alabama:

Mason Manning, Senior, Optical Eng., UAHuntsville; Research Experience for Undergraduates internship
We have had 4 Seed Grant PIs graduate from the Seed Grant Program and go on to win successful proposals to further their research endeavors. They are:

Dr. Greg Thompson, UA
He won a $750K 3-year NASA EPSCoR Research CAN studying High Temperature Shape Memory Alloys for Improved Efficiency in Aeronautic Turbomachinery.

Dr. Amy Lang, UA
She received 2 NSF awards totaling $875K to fund a new 3D flow velocity measurement system and funding for an REU site.

Dr. Gang Li, UAHuntsville
He received an NSF CAREER grant.

Dr. Junpeng Guo, UAHuntsville
He received a $250K 2-year NASA EPSCoR MSI CAN studying On-Chip Nanostructure Surface Plasmon Enhanced Raman Spectroscopy Sensor for Space Applications.

Dr. Junpeng Guo, UAHuntsville Associate Professor of Electrical Engineering and Optics, and doctoral student Haisheng Leong view the spectra from a new nanoscale photonic device.

*Credit: Aaron Sexton / The University of Alabama in Huntsville*