**Postdoctoral Position in Atmospheric Chemistry/Physics at NCAT**

**Qualifications**: PhD in Experimental Atmospheric Chemistry/Physics or related areas (Environmental Chemistry, Chemical engineering, Chemistry) with experience in aerosol optical and chemical properties research and operation of smog chambers and lasers.

Other expected skills: LabVIEW programing, Igor Programing. Modeling experience will be desirable.

The selected candidate expected to conduct research, mentor and supervise graduate students, get involved in proposal writing and coordinate student training and collaborations among North Carolina A&T State University, Colorado State University, Howard University and Aerodyne. The collaborating institutions will perform research that include: (1) Controlled laboratory measurements of optical properties of biomass burning (BB) aerosols as a function of photochemical aging, burning and meteorological conditions using the NCAT facility; (2) the implementation of updated smoke emission factors and optical properties measured at NCAT in the GEOS-Chem chemical-transport model to produce better estimates of the health and climate impacts of smoke; (3) collection of filter samples of dust-smoke mixtures aboard the NOAA research vessels, to measure the optical properties of these aerosol mixtures and estimate the contributions from biomass smoke. (4) Students participation in biomass-burning related field work in summer 2019 following a visit to Aerodyne in late 2018 and 2019 to be trained on the operation of their instrumentation and installation ahead of the summer 2019 FIREEX-AQ campaign. A candidate with experience on as many of the projects listed above will receive priority.

**Salary**- Competitive with full benefits available to NC University System employees

**Position** for 1-year renewable for a second year.

For further information contact:

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