

Call for Student Demos and Posters on Unmanned Aerial Vehicles

ACM MobiHoc workshop on “Airborne Networks and Communications”

In conjunction with the MobiHoc 2014 Symposium that will be held in Philadelphia during 11-14 August 2014, we are organizing a workshop on “Airborne Networks and Communications” on August 11st, 2014.

The workshop includes several invited presentations from representatives of industry, national labs, government, and universities and regular paper presentations. We expect that this workshop will not only contribute to the emerging field of airborne networking, but also contribute to broad areas such as cyber-physical systems, UAVs, communications, and aeronautics and astronautics. Affiliating this workshop with MobiHoc Symposium will permit wide participation from researchers around the world and from academics as well as professionals working in the industry.

This workshop will also include a session on student posters and demonstrations of unmanned aerial vehicles. Undergraduate and graduate students whose posters and demos are selected for presentation will be provided financial support to attend this workshop including travel, registration and hotel expenses. Three winning posters or demos will be selected and recognized from those presented during the workshop.

The topics of the workshop include, but are not limited to the following: communication and information foundations and fundamental limits; models for mobility, connectivity, and coverage; cyber-physical system perspective of airborne networks; airborne/satellite communication and networking platforms and strategies; ad hoc routing protocols; security protocols (authentication, and integrity verification of communicating agents); swarming, collaboration, and self-organization; network trials, test-beds, experiments, and measurements; and applications of airborne networking in real world domains such as air-traffic control, search and rescue missions, and unmanned cargo.

Eligibility: Undergraduate and graduate students who are working in the general area of unmanned aircraft systems (UAS) control, networking and communications in any academic institution in the Unites States or abroad.

Requirements: Submit a CV, and a demo or a poster of their research related to the field of UAS, and one recommendation letter. Please submit the required materials to Professor Kamesh Namuduri at kamesh.namuduri@unt.edu.

Selection Process: Among the submissions, we will select ten submissions based upon the novelty and quality of the demo or poster.

Important Dates: Submissions will be accepted until July 10th, 2014. Selections will be announced on July 15th, 2014.