

## NASA Academy of Aerospace Quality Workshop

Huntsville, AL, NASA Educator Training Facility, Room 106

Tuesday, September 1, 2015

### Agenda

Coffee and Rolls	8:00
Welcome and Introductions	8:15
Introduction to AAQ <b>Alice Smith, Auburn University</b>	8:30
Keynote Address <b>Steve Cash, NASA</b>	9:00
Networking break and poster set up	10:00
Poster presentations	10:15

1. Use of UAV in Precision Agriculture, Ganesh Bora, North Dakota State University
2. Teaching Additive Manufacturing through an Interactive Virtual Reality-based Graphics Framework, Magesh Chandramouli, Purdue University – Calumet and Simon Lui, Singapore University of Technology & Design
3. Software Quality Assurance Planning for the CAPE 3 CubeSat Mission, Paul Darby, University of Louisiana – Lafayette
4. Mechanical Design of Coronagraph CubeSat, Akbar Eslami, Elizabeth City State University
5. HERMES Rocksat-X Flight and QA Testing, Carl Hansen and Anh Ho, Capitol Technology University
6. Developing Low Cost Payloads for Balloons and Suborbital Rockets, Andy Hollerman, University of Lafayette Louisiana
7. TwilightSat: A New Concept for Optical Satellite Remote Sensing of Atmospheric Aerosols, Hans Moosmuller, Desert Research Institute
8. Trapping of Space Debris using Aerogel, Alexander Petrov, Capitol Technology University
9. Tribology of James Webb Space Telescope, Iqbal Shareef, Bradley University
10. A Study of the Community's Standard Systems Engineering Activities – Preliminary Results, Bungo Shiotani, University of Florida

11. Using Cubesat to Train Aerospace Engineering Workforce at a Minority Institution, Hien Vo, Universidad del Turabo

Quality Assurance Lessons Learned from 15 Years in the University Nanosat Program <b>Amanda Pietruszewski, Air Force Research Laboratory</b>	11:15
Hi Integrity Software for CubeSats <b>Carl Brandon, Vermont Technical College</b>	11:35
Quality Concerns in 3D Printing CubeSats <b>Craig Kief, University of New Mexico</b>	11:55
Lunch and Networking	12:15
Additive Manufacturing and Quality Assurance Mini-tutorial <b>Andres Carrano, Auburn University</b>	1:15
Quality Assurance via Successive HAB Flights <b>Alex Antunes, Capitol Technology University</b>	2:20
CubeSat Parts Lists and Supply Chain Presentation <b>Kathryn Beckwith, Jet Propulsion Laboratory</b>	2:40
Complete Feedback Form	3:00
Wrap Up and Adjourn	3:30