

Agenda

<p>7:30 - 8:30 am Lobby</p>	<p>Registration + Student Poster Set-Up + Breakfast (until 8:15am) Check in, enjoy coffee and continental breakfast and begin networking.</p>
<p>8:30 - 8:35 am Room 2</p>	<p>Welcome and Opening Remarks Susan White, Director, NC Space Grant</p>
<p>8:35 - 9:10 am Room 2</p>	<p>Plenary Presentation Julie Williams-Byrd, Chief Technologist, NASA Langley Research Center <i>Step Into NASA's World of Extraordinary Opportunities in STEM Careers</i></p>
<p>9:10 - 10:10 am Room 2</p> <p>9:10 - 9:40 am</p> <p>9:40 - 9:55 am</p> <p>9:55 - 10:10 am</p>	<p>Session 1: Space Science</p> <p>Moderated by: Rachel Smith, Head of Astronomy and Astrophysics Laboratory, North Carolina Museum of Natural Sciences; Associate Professor, Appalachian State University</p> <p>James Sherman, Senior Research Scientist at the Appalachian Interdisciplinary Research Facility (AppalAIR), Appalachian State University; <i>How is Changing Air Quality in the Background Southeastern U.S. Influencing Solar Radiation Budget: 15 Years of Measurements from the NASA and NOAA Sites at Appalachian State University</i></p> <p>Aurora Toennisson, Ph.D. Student, NC Space Grant Graduate Research Fellow, NC State University; <i>Evaluating Spaceflight-Isolated Bacteria for Plant Growth Promotion</i></p> <p>Pa Chia Thao, Ph.D. Student, NC Space Grant Graduate Research Fellow, UNC Chapel Hill; <i>Planetary Origins: Probing the Atmosphere of a 17-Million-Year-Old Hot Jupiter, HIP 67522b</i></p>
<p>10:10 - 10:20 am</p>	<p>Networking Break</p>
<p>10:20 - 11:05 am Room 1D</p>	<p>Student Poster Session I Odd numbered posters presented</p>
<p>11:05 - 11:15 am</p>	<p>Networking Break</p>
<p>11:15 am - 12:15 pm Room 2</p> <p>11:15 - 11:45 am</p> <p>11:45 - 12:00 pm</p> <p>12:00 - 12:15 pm</p>	<p>Session 2: Space Technology</p> <p>Moderated by: Rodward Hewlin, Assistant Professor & Research Scientist, Center for Biomedical Engineering & Science, UNC Charlotte</p> <p>Scott Asbury, Senior Director of Programs and Orbital Reef Program Manager, Sierra Space; <i>Future of Space Exploration, Space Destinations – Orbital Reef</i></p> <p>Nicholas Mazzoleni, Ph.D Student, NC Space Grant Graduate Research Fellow, NC State University; <i>Toward the Design and Testing of More Compliant Exoskeletons for the Prevention of Astronaut Muscle Atrophy in Microgravity Environments</i></p> <p>Austin South, Recent Graduate, UNC Charlotte; 2022 NASA Summer Intern, NASA Marshall Space Flight Center; <i>Using Virtual and Augmented Reality To Enhance Decision-Making</i></p>

Agenda continued

<p>12:15 - 1:30 pm Room 2</p> <p>Keynote 12:45 - 1:15 pm</p> <p>Q&A 1:15 - 1:25 pm</p>	<p>Luncheon + Keynote Charlie Blackwell-Thompson, Artemis Launch Director, Exploration Ground Systems Program, NASA Kennedy Space Center</p> <p>Introduction of Keynote Chad Brown, Division Chief for The Future Projects Office, Exploration Ground Systems Program, NASA Kennedy Space Center</p>
<p>1:30 – 1:45 pm</p>	<p>Networking Break</p>
<p>1:45 - 2:55 pm Room 2</p> <p>1:45 - 2:05 pm</p> <p>2:05 - 2:25 pm</p> <p>2:25 - 2:40 pm</p> <p>2:40 - 2:55 pm</p>	<p>Session 3: Future Flight</p> <p>Moderated by: Fuh-Gwo Yuan, Samuel P. Langley Professor, Department of Mechanical and Aerospace Engineering, NC State University</p> <p>Riley Beaman, UAS Program Manager, NC Department of Transportation; <i>NC – Beyond The Dunes</i></p> <p>Ashlee Bracewell, Structural Test Engineer, NASA Marshall Space Flight Center; <i>NASA Structural Testing: Pushing Rockets to their Limits</i></p> <p>Sterling Van Adams, Undergraduate Student, UNC Chapel Hill; 2022 NASA Summer Intern, NASA Ames Research Center; <i>Atmospheric Modeling for Predicting Flight Conditions of the Mars Science Helicopter in Martian Atmosphere</i></p> <p>Olivia Scott, Undergraduate Student, NC State University; 2022 Collier Aerospace Intern (NC Space Grant Career Internship Award); <i>The Study of Structural Optimization</i></p>
<p>2:55 - 3:05 pm</p>	<p>Networking Break</p>
<p>3:05 - 3:50 pm Room 1D</p>	<p>Student Poster Session II Even numbered posters presented</p>
<p>3:50 - 4:00 pm</p>	<p>Networking Break</p>
<p>4:00 - 4:55 pm Room 2</p>	<p>Panel: Careers in Space</p> <p>Moderated by: Jeff Mobley, VP Programs, Mechanisms and Motion Systems, Sierra Space</p> <p>Mike Rice, Satellite Missions Operations, KBR</p> <p>Ashlee Bracewell, Structural Test Engineer, NASA Marshall Space Flight Center</p> <p>Riley Beaman, UAS Program Manager, NC Department of Transportation</p> <p>James Ainsworth, Managing Director of Engineering, Collier Aerospace - HyperX Software</p>
<p>4:55 - 5:00 pm</p>	<p>Closing Remarks</p>