

**Thursday, April 4, 2019**

5:30 p.m.	Registration opens
6:00 p.m.	Welcome
6:00 – 8:00 p.m.	Networking reception

**Friday, April 5, 2019**

7:00 a.m.	Registration opens
7:00 – 8:00 a.m.	Student poster set-up
7:30 – 8:30 a.m.	Hot buffet breakfast
8:30 – 8:35 a.m.	<b>WELCOME AND OPENING REMARKS</b> <b>Susan White</b> , Director, North Carolina Space Grant
8:35 – 8:50 a.m.	<b>PLENARY TALK – The State of Aerospace in North Carolina</b> <b>Chris Chung</b> , CEO, Economic Development Partnership of North Carolina
8:50 – 9:00 a.m.	BREAK
<b>9:00 – 10:15 a.m.</b>	<b>PANEL I: SPACE SCIENCE</b> Moderator: <b>Michael Roberts</b> , Deputy Chief Scientist, International Space Station U.S. National Laboratory
9:00 – 9:15	<i>ISS Space Science Platform</i> <b>Michael Roberts</b> , Deputy Chief Scientist, ISS U.S. National Lab
9:15 – 9:30	<i>Feeding This and Other Worlds: Analyzing the Effects of Off-World Farming Techniques on Earth's Food Security</i> <b>Rafael Loureiro</b> , Assistant Professor, Botany, Winston-Salem State University (2018–19 NC Space Grant New Investigator Award Recipient)
9:30 – 9:45	<i>Visualizing Current Spacecraft Missions in OpenSpace</i> <b>Kate Richardson</b> , Undergraduate Student, Physics/Computer Science, University of North Carolina at Chapel Hill (2018–19 NC Space Grant / NC Museum of Natural Sciences Astrophysics Laboratory Intern)
9:45 – 10:00	<i>Comparing the Effects of Countermeasures on the L3 Vertebra from Three Distinct Spaceflight Studies</i> <b>Lindsay Sullivan</b> , Ph.D. Student, Biomedical Engineering, UNC Chapel Hill (2018–19 NC Space Grant Graduate Research Fellow)
10:00 – 10:15	Panel Q&A
10:15 – 11:00 a.m.	<b>STUDENT POSTER SESSION I</b> Even-numbered posters presented
<b>11:00 a.m. – 12:15 p.m.</b>	<b>PANEL II: SPACE TECHNOLOGY</b> Moderator: <b>DeWayne Cecil</b> , Director, Destination SPACE (Satellite Program for Aerospace-Centered Education)
11:05 – 11:20	<i>NASA Technologies</i> <b>Julie Williams-Byrd</b> , Acting Chief Technologist, NASA Langley Research Center
11:20 – 11:35	<i>SeaHawks in Space: North Carolina's First CubeSat Satellite</i> <b>Sara Rivero-Calle</b> , Postdoctoral Research Fellow, Center for Marine Science, University of North Carolina at Wilmington

11:35 – 11:50	<i>High-Altitude Student Platform (HASP)</i> <b>Julie Hoover</b> , Faculty, Durham Technical Community College (2018–19 NC Space Grant Team Competition Award Recipient)
11:50 – 12:05	<i>Mars Sample Return</i> <b>Katherine Tighe</b> , Undergraduate Student, Mechanical Engineering, Duke University (Summer 2018 NC Space Grant Intern at NASA Jet Propulsion Laboratory)
12:05 – 12:15	Panel Q&A
12:15 – 1:30 p.m.	<b>LUNCHEON</b> Keynote address: <b>Gerald D. Griffin</b> , former Director of NASA Johnson Space Center, former Mission Control Flight Director during Apollo missions Introduction to Mr. Griffin: <b>Rachel Smith</b> , Director, Astrophysics Laboratory at the North Carolina Museum of Natural Sciences
1:30 – 1:40 p.m.	BREAK
<b>1:40 – 3:00 p.m.</b>	<b>PANEL III: FUTURE FLIGHT</b> Moderator: <b>Srinath Ekkad</b> , Professor and Head, Department of Mechanical and Aerospace Engineering, North Carolina State University
1:45 – 2:00	<i>Dream Chaser® – America’s Next Spaceplane</i> <b>Jeff Mobley</b> , Space Systems Group, Sierra Nevada Corporation
2:00 – 2:15	<i>NASA Aeronautical Research</i> <b>Carrie Rhoades</b> , Flight Systems Engineer, NASA Langley Research Center
2:15 – 2:30	<i>Integrating Drones into NC Airspace</i> <b>Basil Yap</b> , Unmanned Aerial Systems Program Manager, North Carolina Department of Transportation
2:30 – 2:45	<i>HyperIntern: A Day in the Life of a Future Flight Engineer</i> <b>Noah Prezant</b> , Undergraduate Student, Aerospace Engineering, NC State (Summer 2018 NC Space Grant Intern at HyperSizer)
2:45 – 3:00	Panel Q&A
3:00 – 3:45 p.m.	<b>STUDENT POSTER SESSION II</b> Odd-numbered posters presented
<b>3:45 – 5:00 p.m.</b>	<b>PANEL IV: CAREERS IN AEROSPACE</b> Moderator: <b>Sandy Canfield</b> , Assistant Director, NC Space Grant
3:45 – 4:00	Panel Overview
4:00 – 5:00	Speed Networking (6 rounds, 10 minutes each, student choice): LORD Corporation HyperSizer Sierra Nevada Corporation Crown Consulting, Inc. NASA Langley Research Center Precision Hawk NC Public Safety Drone Academy GE Aviation
5:00 – 5:15 p.m.	<b>CLOSING REMARKS:</b> <b>Jobi Cook</b> , Associate Director, NC Space Grant