



2021 NC Space Symposium (Virtual)

April 16, 2021

<https://ncspacegrant.ncsu.edu/events/2021-space-symposium/>

1:00 – 1:40 pm	WELCOME AND KEYNOTE ADDRESS
1:00-1:05 pm	Susan White, Ph.D., NC Space Grant Director
1:05-1:30 pm	Zena Cardman, NASA Astronaut
1:30-1:40 pm	Moderated Q&A
1:40 – 1:45 pm	BREAK
1:45 – 1:50 pm	Congresswoman Deborah Ross (NC's 2nd Congressional District) – Special Remarks
1:50-2:45 pm	RESEARCH AND TECHNOLOGY APPLICATIONS (presented by NC Space Grant Alumni) <i>Moderated by: Julie Hoover, Executive Implementation Support Specialist, NASA Goddard Space Flight Center</i>
1:53-2:08 pm	Matthew Mickens, Ph.D., Chief Science Officer, Elevate Farms
2:10-2:25 pm	Stephanie Smith, Contamination Control Engineer, United Launch Alliance (ULA)
2:27-2:42 pm	Ryan Theurer, Satellite Visualization Programmer, GVT LLC
<i>Offline Q&A</i>	Please present your questions in the Zoom Q&A feature and they will be answered by the appropriate speaker(s) offline. Responses will be posted to our Symposium's website.
2:45 – 2:50 pm	BREAK
2:50 – 3:50 pm	NC SPACE GRANT STUDENT LIGHTNING TALKS <i>Moderated by: Jimmy Acevedo, Senior Educational Outreach and STEM Engagement Specialist, NASA Goddard Space Flight Center</i> Please find additional student presentations (lightning talks and posters) at: https://ncspacegrant.ncsu.edu/events/2021-space-symposium/nc-space-symposium-presentations/
2:55-3:00 pm	Travis Newton, NC State University NASA DEVELOP Intern, Summer 2020 <i>Mapping Forest Composition and Health in the Southern Appalachians Using NASA Earth Observations to Enhance Drought and Watershed Health-Related Forest Management for the Eastern Band of the Cherokee Indians</i>
3:02-3:07 pm	Danyale Berry, Winston-Salem State University NASA Intern, Marshall Space Flight Center, Spring 2021 <i>Investigating the Performance Characteristics of Auxetic Foams in Neuropathy Treatment</i>
3:09-3:14 pm	Bryce Abbott, NC State University NIA/NASA Intern, Langley Research Center, Summer 2020 <i>Comparison of 3D vs 2D High-Speed Digital Image Correlation for Guided Wavefield Reconstruction for Quantifying Structural Damage</i>
3:16-3:21 pm	Jared Junkin, Duke University NASA Intern, Goddard Space Flight Center, Summer 2020 <i>Data Management and dissemination for research scanning polarimeter</i>
3:23-3:28 pm	Amy Glazier, The University of North Carolina at Chapel Hill 2020-2021 Graduate Research Fellow <i>Variations on an Eclipse: Evryscope Searches for Circumbinary Planets</i>

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3:30-3:35 pm	Hayden Glenn, Winston-Salem State University 2020-2021 Undergraduate Research Scholar <i>Applied plant science for crop yield assessment in Lunar regolith</i>
3:37-3:42 pm	Lia Phillips, Appalachian State University 2020-2021 Graduate Research Fellow <i>Automation of Optical Tweezers in Laser Tweezer Raman Spectroscopy Apparatus</i>
3:42-3:50 pm	Moderated Q&A
3:50 – 3:55 pm	BREAK
3:55 – 4:55 pm	CAREERS IN SPACE <i>Moderated by: Sandy Canfield, Assistant Director, NC Space Grant</i>
	Panelists include: Liz Warren, Ph.D, Senior Program Director – International Space Station (ISS) National Lab Chad Brown, Program Technical Integration Chief (Acting) and Advanced Planning and Payload Technical Integration Manager – NASA Kennedy Space Center, Systems Integration and Engineering Division, Exploration Ground Systems (EGS) Program Heather Nelson, Senior Manager, University Relations – Blue Origin James Ainsworth, Director of Engineering Services – Collier Research Corporation, HyperSizer Software Nicole Bonk, Head of Flight Testing – Skydio
4:55 – 5:00 pm	CLOSING REMARKS Jobi Cook, Associate Director, NC Space Grant