

**PRC Student Luncheon—Faculty/Industry Mentoring UAH
Propulsion Research Center,
Friday, April 5, 2019**



"Early-Career Reflections on College and Engineering"



**Speaker: Matthew Denny,
Propulsion Engineer, Boeing**


Matthew Denny received a Bachelor's degree in Mechanical Engineering (2013) and a Master's degree in Aerospace Systems Engineering at UAH (2015). After graduate school, he worked at Bangham Engineering, Inc. designing test hardware for characterizing explosions from gases. Matthew Denny transitioned to Boeing where he is still working on the NASA Space Launch System (SLS). He writes component specifications and test plans for propulsion and ordnance components, and he works with suppliers who manufacture and test the components.

Matthew will give us his personal insights on his UAH education and the first four years of his professional experiences since graduating from UAH in 2015. Mr. Denny stated, "The education I received at UAH was well-rounded and thorough. In industry, a common phrase is, 'They don't teach you that in school!', but I rarely feel that about UAH. My experiences at UAH were often project-oriented and research-oriented, which means that I learned both technical skills and people skills, both analytical skills and thinking-outside-the-box skills, both conceptual design and hands-on manufacturing, and some good, hard lessons such as how to write good test procedures so you don't accidentally compromise your data!"

Propulsion Research Center Contract Awards or Augmentations Since Oct. 1, 2018

1. CSRA/AMCOM, “Laboratory Studies for Solid Ramjet Fuels,” Principal Investigator: **Dr. Robert A. Frederick**; students supported: Daniel Jones, GRA; Joseph Agnew, UGRA.
2. Missile Defense Agency, “Game-Changing Kill Vehicle/Interceptor Technology,” Principal Investigator: **Dr. Robert Frederick and Dr. Jason Cassibry**; students supported: Joseph Buckley, GRA; and Amit Patel: GRA.
3. MTS, “Nuclear Thermal Propulsion (NTP) Support,” Principal Investigator: **Dr. Dale Thomas**; students supported: Alexander Aueron, GRA; Justin Conner, GRA;; Dennis Nikitaev, GRA; and Samantha Rawlins, GRA.
4. NASA GSFC/ASGC, “2018-2019 UAH NASA University Student Launch Initiative,” Principal Investigator: **Dr. David Lineberry**; students supported: supports over 20 MAE Students in Senior Rocket Design Class.
5. NASA/MSFC, “RS-25 Affordability,” Principal Investigator: **Dr. Dale Thomas**; students supported: Luke Smith, GRA; Adam Bower, GRA; and Christopher White, GRA.
6. NASA SSC, “Nanolaunch Component Flight Testing,” Principal Investigator: **Dr. David Lineberry**; students supported: William Hankins, UGRA.
7. Solar Turbines, “Full Coverage Effusion Cooling: Performance Improvement Using Cross Flows and Impingement Jet Arrays,” Principal Investigator: **Dr. Phillip Ligrani**; students supported: David Ritchie, UGRA; and Sneha Reddy Vanga, GRA.
8. Strategic Missile Defense Command “Small Satellite Propulsion Technologies,” Principal Investigator: **Dr. Robert Frederick**; students supported: Joseph Agnew, James Venters.
9. U.S. Air Force “UAH Dynamic Testing,” Principal Investigator: **Dr. Kavan Hazeli**; students supported: Trent Colbert, UGRA; Jacob Fields, UGRA; and Jeremy Floyd.

Upcoming Events

<p>April 24, 3:00 - 4:30 p.m.</p>	<p>Recognition of Graduates <i>Johnson Research Center</i></p>	 <p>PROPULSION RESEARCH CENTER THE UNIVERSITY OF ALABAMA IN HUNTSVILLE</p> <p><i>Courage □ Opportunity □ People</i></p>
<p>April 26, 11:30 - 1:30 p.m.</p>	<p>Musical Madness at Melvin’s, <i>Melvins’ Place of BBQ</i></p>	
<p>May 2, 10:00 a.m.</p>	<p>UAH Spring Commencements <i>Von Braun Civic Center</i></p>	