

Awards Session

2021 AIAA Region II Student Conference

Hosted by The University of Alabama
Friday, April 9th

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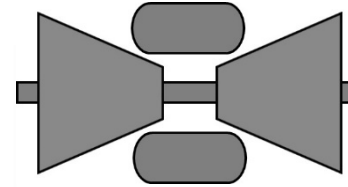


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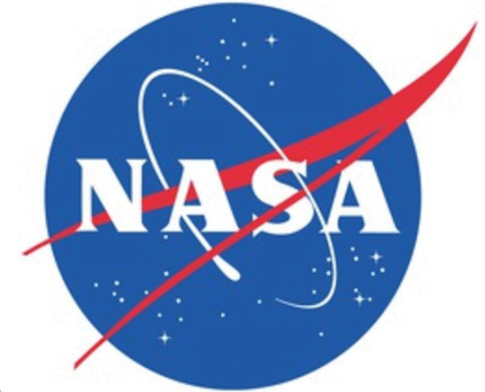
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Guest Speaker



Robert Lightfoot

Vice President, Strategy & Business
Development

LOCKHEED MARTIN



Prizes for Participation and Special Thanks



We want to thank the Greater Huntsville AIAA Professional Section for covering the cost of trivia and raffle prizes as well as the platform for our Welcome Social

Most Engaged Student Attendees

3rd Most Tickets

Oscar Klempay
\$25 Amazon Gift Card



2nd Most Tickets

Andrew Morell
Estes SLS Model Rocket



Most Tickets

Veronica Rodriguez
Lego Saturn V Set



Official Information



- Michael Lagana will be in touch with first place winners to send paperwork for International Student Conference (ISC) at SciTech
- Michael will also be in touch with all winners of the Undergraduate, Masters, and Team categories to arrange for prize payment and certificates
- Cassy Dellinger will be in touch with the Outstanding Branch Activity, Open Topic, and Regional Design Team categories to arrange prize payment and certificates
- All attendees will receive a certificate confirming that they registered to attend the conference. This certificate will be available via aiaa-awards.org
- Paper feedback will also be made available via aiaa-awards.org
- All attendees will be notified via email once all items are available for viewing/download



Presentation of Awards By Category

Outstanding Student Branch Activity Category

3rd Place

“NC State Student Branch of AIAA's Outstanding Student Branch Activity”
North Carolina State University



2nd Place

“Meet the Geeks - ERAU Branch Activity”
Embry-Riddle Aeronautical University

1st Place

“UGA Community Outreach Project - Space Race: A Voyage to the Moon Board Game”
University of Georgia

Freshman/Sophomore Open Topic Category

3rd Place

“Trust the Process: An Investigation into Astrophotography”

Neil Adake - University of Florida



2nd Place

“Slotted, Natural-Laminar-Flow Airfoil: A Revolutionary Technology for Fuel Efficiency”

Sreya Kumpatla - University of Tennessee

1st Place

“Effect of Varying Reynolds Number On The Aerodynamic Design of Lifting Surfaces”

Seshan Jayapregasham- Embry-Riddle Aeronautical University

Regional Design Team Category



3rd Place

-Vacant-

2nd Place

“University of Memphis Rocket Testing Team”
University of Memphis

1st Place

“Affordable Earth Return On-Demand Reentry Vehicle Design”
Florida Institute of Technology

Team Category



3rd Place

“Kestrel Aeronautics: KA-Ranger”
University of Alabama in Huntsville

2nd Place

“Dynamics of a 9-DOF Heterogeneous Robotic Platform for Spacecraft Motion Emulation”
University of Central Florida

1st Place

“Proposal for austere light attack aircraft - Project Aardvark”
University of Alabama in Huntsville

Masters Category



3rd Place

“Flight Test Point Optimization Program For a Self-Protection Application”

Oscar Klempay - Georgia Institute of Technology

2nd Place

“The Prediction of Noise from Turbulent Boundary Layers with Suction”

Achyuth Rajendran - University of Florida

1st Place

“Low Gravity Natural Convection and Pool Boiling Predictions”

Ashley Milligan - University of Memphis

Undergraduate Category



3rd Place

“Developing a Flapping Gear System for Butterfly -Inspired Motion”

Frederick Schulze - University of Alabama in Huntsville

2nd Place

“Comparison of 3D confocal Raman and high energy X-ray diffraction for the measurement of molten sand infiltration in turbine blade coatings”

Vanessa D'Esposito - University of Central Florida

1st Place (Stan Powell Prize Winner)

“Reducing the Computational Cost of Bicycle Wheel CFD using BEM”

Drew Vigne - University of Central Florida

Additional Opportunities



Additional benefits for registered conference attendees:

A Special Conversation with Lisa May, Chief Technologist, Commercial and Civil Space Advanced Programs, Lockheed Martin

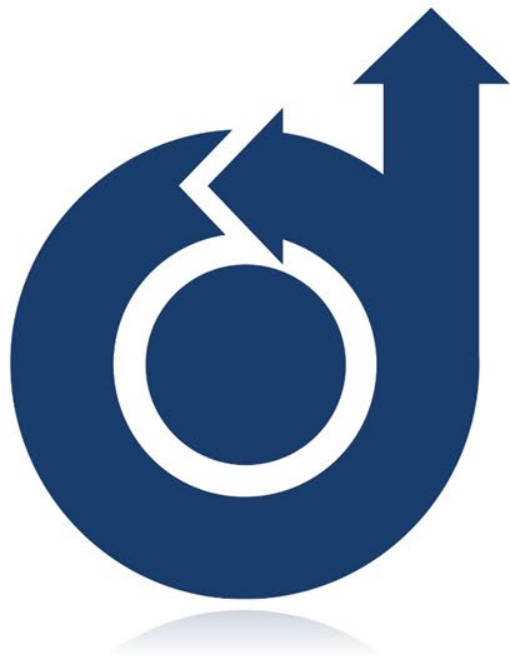
April 12, 2021

Meet the Author - Daniel P. Raymer author of Aircraft Design: A Conceptual Approach

April 13, 2021

Register online at:

<https://www.aiaa.org/resources/aiaa-regional-student-conferences-meta-sessions>



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Randomly Selected Winner

1st Randomly Selected Winner

Josh Rusmiser
\$25 Amazon Gift Card



313

Min
2

Max
392

GENERATE

▼

Randomly Selected Winner

2nd Randomly Selected Winner

John Fergusson
\$25 Amazon Gift Card



44

Min
2

Max
392

GENERATE

▼

Randomly Selected Winner

3rd Randomly Selected Winner

Rex Staehly
\$25 Amazon Gift Card



144

Min 2

Max 392

GENERATE

▼

Closing Remarks

Dr. Kurt Polzin
Region II Director

Recognitions and Awards

In recognition of their outstanding leadership and dedication in hosting the 72nd Annual Southeastern Regional Student Conference



Abby Feeder – UA
Student Branch Chair



Chet Wiltshire – UA
Student Branch Vice-Chair

AIAA Special Service Citation

The Special Service Citation is conferred by the Regional Engagement Activities Division (READ) for service to the Institute beyond the norm in type, intensity, or duration.

AIAA Special Service Citation

Professor Emeritus Michael Freeman
University of Alabama

For Outstanding Service to AIAA and the
Southeastern Regional Student
Conference in Recruiting Support from
an Ever-Increasing Variety and Number
of Conference Sponsors and Partners



AIAA Sustained Service Award

The Sustained Service Award is presented to recognize sustained, significant service and contributions to AIAA by members of the Institute.

AIAA Sustained Service Award

Professor Emeritus Michael Freeman
University of Alabama

For sustained and dedicated service to
the Southeastern Region of AIAA and to
the University of Alabama Student
Branch members as faculty advisor



AIAA Sustained Service Award

AIAA Sustained Service Award

Cassandra (Cassy) Dellinger

Region II Deputy Director of Education

For sustained and dedicated service to the Southeastern Region of AIAA and its student members as Deputy Director of Education and Regional Student Conference Chair





2021 AIAA Associate Fellow

Associate Fellows shall be persons who have accomplished or been in charge of important engineering or scientific work, or who have done original work of outstanding merit, or who have otherwise made outstanding contributions to the arts, sciences, or technology of aeronautics or astronautics.

A nominee must be an AIAA Senior Member in good standing and have a minimum of 12 years of professional experience. A maximum of one Associate Fellow for every 150 voting members may be upgraded annually.



2021 AIAA Associate Fellow

Jay Dellinger

Cox Automotive & Region II Student
Conference Judging Coordinator

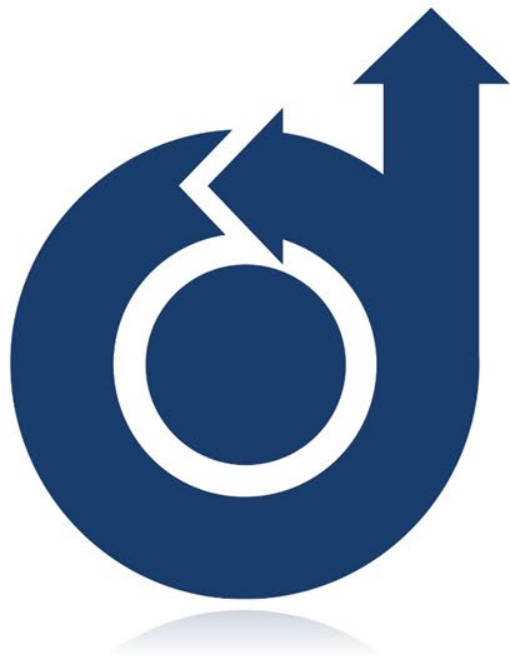
For his service to the aerospace industry, in particular through advancements and innovations in software systems for aerospace industry applications, and for his high impact contributions in support of aerospace education through AIAA Student Programs, most notably the Region II Student Conference.

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Parting Thoughts

See you next year



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