

Meeting Minutes

Time & Date: 7:00pm, Thursday, Aug 18, 2022

- Zoom Meeting: <https://aiaa.zoom.us/j/81217171977>

AIAA-NE online information:

- LinkedIn: <https://www.linkedin.com/company/aiaa-new-england/>
- Website: <https://engage.aiaa.org/newengland/home>

Attendances: Shreyas H, Osa O, Charlie W, Christian N, John B, Bob Shin, Endri L, Paul C, Hiro E, Phoenix R, Bruce Mackenzie, Antonio I, Paul C

1. Opening Remarks & Administration:

- Opening Comments / Highlights since the last meeting
 - New England Section wins two awards for 2021!
 - **1st Place – Communication Award (tie with LA-Las Vegas).**

Developed and implemented an outstanding communications outreach program. Winning criteria include the level of complexity, timeliness, and variety of methods of communication, as well as frequency, format, and content of the communication outreach.
 - **3rd Place – Student Branch Partnership Award (Phoenix & Charlie).**

Recognized for the most effective and innovative collaboration between the professional section members and student branch members.
- Finances / Expenditures (Osa)
 - 1. Financial audit completed for FY22.
 - 2. Income
 - Awaiting remittances from AIAA
 - 3. Current balances:
 - Checking: \$5,958.95
 - Savings: \$15,014.33
 - 4. Completed Expenses:
 - AIAA Branded Pens: \$628.35
 - Shipping costs for Speaker gifts: \$224.25
 - Brockton Public School Students' visit to Test Devices: \$116.91
 - 5. Pending Expenses:
 - Middlesex Community College Model Aviation Club DBF Activities: \$995.00
 - Christian- Steven is yet to get back to office. The amount has to be transferred to the college directly.

2. Reports by Committee Chairs & Activity Leads:

- STEM & DEI (Osa)
 - Empower Yourself - Summer STEM & Aviation Program (Hiro)
 - Cedric Turner and EY students visited Test Devices in Hudson.
 - Learned about spin testing and jet engines. Hands-on experience in operating small gas turbines and a spin testing machine.
 - Total of 51 participants: Cedric and his students (25 middle & high school students), 8 engineers, Charlie, and a guest engineer from Rolls-Royce from Test Devices attended the event. *Cedric said he brought 19 students, so total is 30*
 - Cedric and some of his students asked if the WPI team could come to Brockton High again and give a presentation on the Rocket work – Peter Dentch (WPI) took action to make an inquiry to the team.
 - It was a very hot humid day, but everyone appeared to enjoy the visit.



- \$250 STEM & DEI Grants
 - Invitation to apply for the grant was posted on the STEM K12 site, and emails were sent out to the New England community in July.
 - Christian North requested a STEM grant to build an aerodynamic demonstrator (Kestrel 3500) for various classes he teaches across different projects.



- Aero-Robotics Competition (Allison)- Will restart. AIAA NE has been supporting that historically.
- MIT-LL Beaver Works Summer Institute (Bob, John & Hiro)- 46 applied and 22 selected. 11 teams went to the final presentation. Proposal is to shift to weekly lectures. Biggest challenge is the R-Pi kit shortage, back order is until July 2023!
- Brockton Middle and High School Rocket Launch Event (Osa)
 - September 3, 2022 11AM - 3PM
 - Brockton Fairgrounds, 600 Belmont St, Brockton, MA 02301
 - Build kits available for attendees
 - Organized by Empower Yourself MA/Cedric Turner, AIAA 2022 STEM Trailblazing STEM Educator Award recipient- Collaborate with WPI on this event.
- College Outreach (Phoenix, Charlie)
 - Looking for more volunteers to join (or facilitate) visits and face-to-face engagement with student branches.
 - Ideally an alum or person who either lives or works close by to the colleges...
 - We aim to help and energize student branches across New England as they work their way out of COVID situation...
 - Update on Award Nominations for College Branch and Students?
 - Sheryl Grace at BU will provide names. They just completed a NASA Downlink event with 2 BU alum in space, 500 students and significant input from The Calculus Project. Charlie trying to link with TCP. Here is a video of the event: The entire main event is still available on the web site : [Boston University Downlink Livestream | Space Live](#)
 - Bob and OSA recommended we contact Kerri Cahoy at MIT to enhance the outreach to the Aero/Astro Department.
 - Phoenix organizing a presentation day with Raytheon internship students.
- College Branch Activities / Updates from Advisors
 - WPI (Paul Coccomo, chair of student branch)
 - HPRC - Discuss the possibility of giving a zoom presentation on the diagnosis of the recent launch incident.
 - WoAA
 - WPI Turbine Project (Peter Dentch)
 - Middlesex Community College (MCC) - Model Aviation Club (Christian).
- Professional Development & Outreach

Zoom Webinars (Shreyas)

- 7/28: Operation Sandy, ties about the V2 Rocket, by Kevin Burns (Endri)
 - 43 registered / 10 attended.

Next Speaker:

- 8/25: The Next Aeronautics Revolution (Hiro), The Next Aeronautics Revolution” by Vanessa Aubuchon
- 10/13: Dan Raymer’s Aircraft design talk
- 11/14 RMD, Historic HAWC missile test by Nicholas E Giovannucci

Potential speakers:

- “I’ve Got a Great Design...Now, How Do I Sell It?” by Angela Trego (Jason)
- “Forty Years on the Bleeding Edge of Technology from an Aerospace Engineer’s Perspective” by Daniel Adamo (Jason)
- Raytheon intern student presentations (Phoenix)

Honors & Awards:

- Nominations for the AIAA-NE Awards
 - 6 Large trophy
 - 51 paperweight awards
- AIAA Pens for Webinar Speakers - Done.
- Membership Outreach (Jason):
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- In-person event for 2022/2023 (Hiro):
 - New MIT Museum visit (Oct 2022).
 - Talked Dr. Debbie Douglas:
 - In late August/early September the group sign-up will go live. Debbie will send more information at that time.
 - There will be an admission charge but with group discounts. Also, a number of free or reduced admissions such as MIT alum, Cambridge residents, students, etc. so it will be relevant...
 - **Debbie also mentioned a special day on December/10th to mark the 50th anniversary of Apollo 17.**
 - Collings Foundation – STEM Day with Students (June 2023).
 - Hiro ask Peter Dentch (WPI team) to organize the day - Peter is interested, and agreed to discuss it with his team.
 - AIAA-NE Banquet Dinner (Spring?)
 - Targeting an event in April or May 2023.
 - New England Air Museum, Windsor Locks, CT <https://www.neam.org>

3. Other

- NOTE: Sept meeting date: 9/28th instead of 9/15th.