

Minutes of Meeting

Time & Date: 7:00pm, Thursday, November 18, 2021 (Next meeting is scheduled for January 20 2022)

- Zoom Meeting: <https://aiaa.zoom.us/j/95963441809?pwd=TjdUODZQSnRiQkl2amlRaEdSNEdSNEo5dz09>
- or call: 877-853-5257 US Toll-free or 888-475-4499 US Toll-free
- Meeting ID: 959 6344 1809 / Passcode: 910506

AIAA-NE online information:

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

Attendees: Hiro End, Endri Lesha, John Blandino, Allison Tsay, Bruce Mackenzie, Charlie Wilson, Christian North, Jason Hui, Katie Holmes, Idahosa Osa Osaretin, Bob Shin, Umanga Balasuriya, Caroline Lamb, William Dargin, Thomas “Phoenix” Robbins

Apologies:

1. Opening Remarks & Administration

- Highlights since the last meeting
 - Phoenix – Achieving Sustainable Aviation by Dr. Michael Winters
 - Recommendations made by Bruce Mackenzie to reach out with mailing or email to new members incorporated as result of de-charter of Northeast New York Section.
- Finances / Expenditures (Osa)
 - Deposits:
 - Supplement rebate funds (\$579.56) received from de-charter of Northeast New York Section
 - Expenses:
 - \$130.30 – Shock sensors for AIAA Design Build Fly Competition
 - \$802.00 – Reimbursement for MA Air and Space Museum event
 - \$798.00 – 2 units Tello Drone and 1 unit Kit Drone for Brockton High School Aerospace Robotics Competition
 - \$250.00 – STEM Grant to Heron Pond Elementary School Milford NH (Suzanne Schedin – Classroom Teacher)
- Other announcements
 - Inquiry from Gary Powers Jr. (Spy Plane Presentation) –
 - Possibly an event at American Heritage Museum (Collings Foundation) in 2022
 - Hiro made request for volunteers to help organize event
 - Skipping Dec meeting, reconvene in Jan 20th 2022
 - Officers will meet during Dec to focus on strategy, progress towards Annual Report, and 2022 agenda planning
 - New member introduction: Katie Holmes
 - Part of the UMaine chapter (secretary)
 - Jason Hui is close to having an Apollo/Orion 1 heat shield sample for the Mass Air and Space Museum. Charlie to craft an appeal to all members for other space-related material. More activity planned

2. Reports by Committee Chairs & Volunteers:

- Newsletter (Jeff / Charlie)

- Material submitted by Charlie a couple months back is now out-of-date; needs to be updated
- Honors & Awards (Charlie / Hiro)
 - Hiro owes Charlie an updated list of awardees
 - Paperweights will be produced for awardees
 - Speakers will be presented with “Thank you” letters on official AIAA letterhead
- STEM - K12 Outreach / Diversity, Equity & Inclusion
 - Aero-Robotics Competition (Allison)
 - Competition has been kicked off for a couple weeks; schools have mentors
 - Kits and Tellos on order; should arrive in December
 - MIT-LL Beaver Works Summer Institute (Bob Shin & John Blandino)
 - The MOA is at MIT for the final signature!
 - MIT waived the sexual harassment coverage requirement for this year
 - Unlikely that MIT will waive this coverage in follow-on years
 - Intend to launch the “Build a Cubesat” challenge next week.
 - Mission is to detect plastic waste in the ocean
 - The next challenge will be recruit the technical mentors required to coach and support the student teams
 - Value-add from the section will be in our technical mentors
 - Final event scheduled for May
 - Updates on sponsorship from Lockheed Martin
 - Lockheed is anxious to send funds; but we are yet to find a way to transfer funds that works for both AIAA and Lockheed Martin
 - Collaboration with SWE & NSBE
 - Will launch similar challenges with each SWE and NSBE - both of which were also delayed by similar insurance issues
 - Benefit to similar timing for challenges in that mentors across events can support each other
 - Between AIAA, SWE and NSBE - hope to reach 300 students this cycle!
 - \$250 STEM Grants (Endri / Charlie)
 - Herrend Pond School request for STEM Grant - seeking grant for to purchase equipment for a straw rocket challenge to highlight Newton’s 3rd Law
 - Request that Endri author a post on Educator Network (AIAA Engage) highlighting the Herrend Pond submittal and plan
 - Endri recently spoke with STEM coordinator for Quincy Public schools; generated email within district advertising grant opportunity.
 - Bruce Mackenzie spoke to the [Mass Science Teachers Association](#) - recommended the National Science Teacher Association (NTSA) as a more active organization relative to advertising AIAA Grant opportunities. They come to Boston every few years (but are not schedule to come this year)
 - Updates from Brockton Highschool’s (Osa / Charlie)
 - Brockton High ARC team
 - 2-teams of 5 students; 10 students in the ‘bullpen’ - targeting participation in the competition next year
 - WPI HPRC session (Kirsten / Kevin)
 - Has reached out to Cedric Turner - targeting visit by students to Brockton High School to speak with high school students about HPRC

- College Outreach (Umanga)
 - Umanga has relocated to another section, he recommends we look for a member to lead this effort
 - Updates on networking with college branches & understanding what they do
 - DBF – Shock sensors purchased to date have been shipped; Umanga will reach out to other student chapters to see if they are interested in shock sensors, too.
 - Development of Northeastern Chapter (with Ryan)
 - No additional updates on community college outreach
 - Hiro met with WPI jet engine team - planning to run engine with new propulsion system
 - Charlie reached out to Wentworth - has received a response, targeting a Dec 2 meeting. There is a potential to visit most other branches this year
 - With recent successes in college outreach - time to plan an all-student event.
 - MIT as a potential host site
 - Need to work around exams (potentially in the Spring?)
 - UMaine:
 - There aren't many schools in Maine with an aerospace degree
 - Request for AIAA membership to provide a speaker to the student chapter to speak about aerospace/careers/etc
 - No formal aerospace degree - but significant general interest by students
 - Katie indicated student interest runs to both aero and astro
 - Bob Mackenzie offered himself as a speaker
 - Bob Shin offered to introduce Katie to a potential speaker
 - Umaine President of AIAA is named Hannah Yesse her email is hannah.yesse@maine.edu
 - Setting up more Aerospace clubs in community colleges (Christian)
 - Members are eager to begin building; have been holding weekly meetings to cover basic introduction materials
- Professional Development & Outreach (Hiro)
 - Zoom Webinars (Jason / Hiro)
 - Dr Winter's presentation was well received by membership a couple weeks back
 - ~40 attendees
 - Dec 15th - New Directions in Human-Technology Frontier: Past, Present and Future of Human-AI Collaboration by Prof. A. E. Bayrak (Hosted by Jason)
 - Assistant Professor from Stevens Institute of Technology
 - Talk originally given at University of Alabama
 - Jan/Feb 2022 - Inventing the Joint Strike Fighter by Dr. Paul Bevilaqua (Hosted by Jason)
 - Dr Bevilaqua is a chief architect within the JSF program
 - Gave a talk to the Niagara chapter
 - Potential speakers:
 - Dr. Nate Richards: UAS & AI related topic – TBD 2022
 - MagniX Aero – TBD 2022
 - Orbitfab – TBD 2022
- College Branch Activities / Updates from Advisors
 - WPI-AIAA/WoAA (Kirsten / Kevin)
 - WoAA activities
 - WPI AIAA chapter activities
 - Middlesex Community College (MCC) - Model Aviation Club (Christian)
 - Others (if represented)

- In-person event for 2021/2022:No update - All on hold due to COVID situation:
 - Proposed Events:
 - Pratt & Whitney Hangar Museum Tour: Contacted curator in early 2022 – Opening to public TBD.
 - New MIT Museum visit (April/May 2022)
 - Collings Foundation – STEM Day with Students (June 2022)
 - Boeing / Aurora Flight Science office visit (Above the MIT Museum) (TBD)
 - New England Air Museum, Windsor Locks, CT <https://www.neam.org>

3. Other

- Next council meeting on Jan 20, 2022, 7:00pm-8:00pm.