

Meeting Agenda

Time & Date: 7:00pm, Thursday, Oct 21, 2021 (Next meeting is scheduled for Nov 18th, 7 pm)

- Zoom Meeting: <https://aiaa.zoom.us/j/95963441809?pwd=TjdUODZQSnRlQkl2amlRaEdSNEo5dz09>
- 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: Caroline, Hiro, Endri, Phoenix, Alex Friess, Allison Tsay, Christian North, Kristen Bowers, Naveen Sri Uddanti, Osa Idahosa, Robert Shin, William Durgin, Charlie

1. Opening Remarks & Administration:

- Highlights since the last meeting:
 - Naveen – Aerospace Cyber Security Talk by Steve Lee
 - Jeff – MA Aerospace Museum Event
- Finances / Expenditures (Osa):
 - \$860 – DEI / Provision of 2x Tello drones & 1x kit drone for Brockton Highschool ARC team.
- Other announcements:

2. Reports by Committee Chairs & Activity Leads:

- Newsletter (Jeff / Charlie)
 - Jeff is putting finishing touches on the newsletter
- Diversity, Equity & Inclusion (Osa, Charlie, Endri)
 - Updates from Brockton Highschool's
 - Brockton High ARC team - working on a date for an in-person visit but the HPRC
 - WPI HPRC session (Kirsten / Kevin)
- College Outreach (Umanga)
 - Umanga not present
- College Branch Activities / Updates from Advisors
 - WPI-AIAA/WoAA (Kirsten / Kevin / Prof. Blandino)
 - WoAA activities - new membership; yoga night, painting night, professional development night to prepare for the career fair. Joint activity with MIT WoAA - to include a 'crime scene' social activity. Catherine Johnson Conference - opportunity advertised to chapter.
 - WPI AIAA chapter activities - over 300 members joined. Difficult to find a meeting time/place that accommodates all participated. Built ~100 Estes rocket kits at kickoff event. Alumni event; Prof. Blandino
 - UAV/Drone - purchased 5 drone kits for those w/o own drone kits. Friday fly day.
 - Model Rocketry - 12 new people will test for level 1 license; hoping to get to a Class launch Nov/Dec

- Jet Engine Project - got lab space allocation! testing sensors; purchasing new sensors.
- High Power Rocket Club activities - participated in WPI Giving Day to raise funds to activities. Submitted IRAC competition paperwork targeting competition next June. Kristen inquired about possibility to conduct another test at Hiro's work place.
- Projects: additional subcommittee where people can propose new ideas; include mentorship for proposal writing. Ideas include solar wing.
- DBF: Offered this year as a WPI Major Qualifying Project. Mentor/mentee program.

- Middlesex Community College (MCC) - Model Aviation Club (Christian)
 - Fall fest was a success - grew to 15 enrolled members. Man first year students joined.
 - Meetings on Thursdays; today's meeting combined with STEM Club and featured screening of a documentary on history of JPL.
 - Drone kits distributed to members with instructions to build at home.
 - DBF: instructions downloaded. Club will work on the challenge, but will not formally enter the AIAA competition.
 - DBI model aircraft for 11th-grade girls - 24 girls have signed up for the club and come from all around the country. Bob Shin raised possibility of sharing course content on the AIAA Engage site to reach additional people.

- University of Maine - (Alex Friess)
 - Formed four years ago; cyclical interest and student involvement
 - ~15 students members have joined this year
 - DBF: have worked on the challenge for a couple years, but are yet to attend the competition
 - Desire to network with other schools including WPI - Alex to work with Kristen to connect chapter presidents
 - Charlie gave a call out for the Bethel ME Maine Mineral and Gem Museum: <https://mainemineralmuseum.org>

- STEM / K12 Outreach
 - Aero-Robotics Competition (Allison)
 - Teams have kicked off - working on recreational drone pilot certificate
 - Mentor assignments will be sent shortly
 - Recruitment, ARC kick-off & updates
 - Speaker series - Maggie Frost (or Groll??) (Search and Rescue Helicopter Pilot)

 - MIT-LL Beaver Works Summer Institute (Bob Shin)
 - Very close to launching the Cubesat Course
 - Updates on MOU finally signed by MIT and AIAA Section
 - Liability insurance required by MIT - sexual harassment coverage is required by MIT, this detail needs to be ironed out
 - Updates on sponsorship from Lockheed Martin: AIAA is matching BWSI with a \$7500 grant to cover costs of offering the course
 - Collaboration with SWE & NSBE

 - \$250 STEM Grants (Endri)
 - No update

- Professional Development & Outreach (Hiro)
 - Zoom Webinars (Hiro)

- Oct/26th - Sustainable aviation and aerospace propulsion by Dr. Michael Winters, Raytheon (Pratt & Whitney)
- Potential speakers:
 - “Exploring the Boundaries of Human-AI Collaboration” by Dr. A. Bayrak (Jason)
 - Dr. Nate Richards: UAS & AI related topic (Hiro)
- 2022 talk candidates:
 - Hiro to contact GE GRC (Additive Manf technology, e-propulsion, etc)
 - Hiro to contact MagniX Aero, the leading E-propulsion company
 - Hiro to contact Orbitfab – Gas station in space
- In-person event for 2021/2022:
 - Most events pushed out to 2022 due to COVID concerns.
 - Proposed Events:
 - Pratt & Whitney Hangar Museum Tour (Hiro)
 - 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>

- Honors & Awards
 - Update on Honors & Awards nominations (Charlie)
 - Plan a get together / event for an award celebration (Hiro)

3. Other

- Next council meeting on Nov 18th, 7:00pm-8:00pm.