

Meeting Agenda

Notes taken by Phoenix

Time & Date: 7:00pm, Thursday, Aug 19, 2021 (Next meeting is scheduled for Sept 23rd, 7 pm)

- Zoom Meeting: <https://aiaa.zoom.us/j/95963441809?pwd=TjdUODZQSnRlQk12amlRaEdSNEo5dz09>
- 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: Endri Lesha, Allison Tsay, Charles Wilson, Naveen Sri Uddanti, Kirsten Bowers, Christian North, John Blandino, Robert Shin, Umanga Balasuriya, Bruce Mackenzie

Apologies: Hiroaki Endo, Caroline Twomey-Lamb, Osa Osaretin

Main Areas of Focus

- Engage MIT/BU sections. We have identified potential points of contact
 - Allison is happy to support any in-person events in Boston/Cambridge
- Successful BWSI course on model planes and tello drones. Christian presented a fantastic video created by BWSI students who were able to complete an obstacle course with a tello drone.

Action Items:

- Hiro
 - Clarify presence of other student branched in Western NY section w/ Umanga
 - Is there a full AIAA Student Directory? Umanga is asking
- Allison
 - Follow-up w/ Albert on posting H2 for Aviation Panel Recording

1. Opening Remarks & Administration:

- Highlights since the last meeting:
 - STEM: ARC recruitments open now – More on this topic from Allison X
 - STEM: BWSI – Promotional video is online – More on this topic from Bob & John X
 - DEI: Lunch & Learn, Hiro's visit to Brockton High School on 8/05/21 – Pending blog article from Cedric & his students (More on this topic from Osa) X
- Addition of western NY sections to AIAA-NE Kirsten in Western NY now
 - Adding 65 new members to AIAA-NE & additional budget X
 - Outreach to western NY groups – invite them to council meetings & activity planning – key target areas: RPI (Rensselaer Polytechnic Inst) & GE Global Research Center X
 - Who are the other student branches? Cornell?
 - Kirsten is happy to support any in-person activities in Western NY this summer, as she is home for the next few weeks.
- Refocusing our goals for the next 2 years (Hiro/Allison/Osa):

- What can we do to promote more membership & retention?
 - How do we increase the engagement level with the Professional members of our community?
 - How do we get more students & student branches to engage with us?
- Ideas & potential actions:
 - Send a survey to New England members – ask them what they want to see us do more...
 - Leverage AIAA brand –
 - Awards to recognize outstanding professionals, contributors, and students in our community...
 - Social events (pending COVID situation...)
 - Communication channels:
 - Are Engage, e-mail & newsletters effective enough? Are there other channels we can use?
- Finances / Expenditures (Osa)
- Other announcements:
 - Luci Blodgett (AIAA Engage) is looking for volunteers from Professional Members for sharing your career profile with High School members for inspiration! (for more info: [ICYMI](#)) X

2. Reports by Committee Chairs & Activity Leads:

- Newsletter (Jeff / Charlie) X
 - Updates Working June, new officers, every committee member can do a half-page?
 - Is anyone interested in joining the team? Contact Hiro or Charlie. X
 - Diversity, Equity & Inclusion (Osa, Charlie, Endri)
 - What is “Brockton High school’s - Lunch & Learn program” (Osa)
 - Future activities in plan:
 - Formation of Brockton High ARC team
 - WPI HPRC session (Kirsten / Kevin)
 - Other updates & plans
 - College Outreach (Umanga) Tt Vermont, Boston still getting officers together, Northeastern has section president (still need to get a response from them), UMaine section fell apart due to COVID but Dr. Friess will have a meeting with students starting in September (professional section happy to help), sent an email about ARC membership to student branches
 - Updates on networking with college branches & understanding what they do
 - Updates on the events for college students without a student chapter
 - Other updates & plans Talked to Christian North about existing materials
- Is there a full AIAA student section directory?
- College Branch Activities / Updates from Advisors
 - WPI-AIAA/WoAA (Kirsten / Kevin / Prof. Blandino) Working on workshops, payload, air brakes
 - WoAA activities
 - WPI AIAA chapter activities WPI is meeting in person
 - UAV/Drone
 - Model Rocketry
 - Jet Engine Project - no update

- High Power Rocket Club activities
 - Middlesex Community College (MCC) - Model Aviation Club (Christian) Christian recommends Kirsten as a guest speaker and made Model Aviation Club flyer for MCC, all active members to receive a kit of materials, the goal is to have all members fly drones solo
 - Development with new UMass Engineering Department chair
 - Update on DBF activities Video of drone obstacle course presented
 - Others
 - How do we get MIT & BU (Sheryl Grace, advisor) more involved? – They have established AIAA student branches, but we have a very small interaction... Bruce MacKenzie may be able to assist with MIT/BU
 - Karri Cahoy is the contact @ MIT and may be able to help us engage the MIT section
- STEM / K12 Outreach
 - Aero-Robotics Competition (Allison)
 - Recruitment is open now – Urgently looking for:
 - **Competition** Coordinator: Connect w/ local schools. Assist in planning 2022 competition (~1-2 hrs/wk)
 - **Mentor**: Provide guidance for high school teams and participants (~0.5-1 hr/wk)
 - Contact Allison or apply now at: <https://forms.gle/8qn3NhftQs7Um7rHA>
 - Six teams signed up in Mass, Two interested parties in CT
Please let Allison know about contacts for mentors in CT
Schools without established robotics programs in New England
Aviation museum near Hartford
Quincy High School has a robotics dept that does competitions
 - New England Air Museum
 - <https://www.neam.org>
 - The New England Air Museum is located in Windsor Locks, CT, and has an extensive collection of aircraft, engines, and exhibits, with activities for enthusiasts
 - MIT-LL Beaver Works Summer Institute (Bob Shin & John Blandino)
 - Update from AIAA foundation
Craig Merritt, AIAA provided \$750
 - Promotional video: <http://web.mit.edu/webcast/beaverworks/s21/>
 - \$250 STEM Grants (Endri)
Talk has gone silent
- Professional Development & Outreach (Hiro)
 - Technical Courses:
 - Sustainable Aviation (Charlie)
 - Cybersecurity (Naveen / Charlie)
 - Others: Space / Commercial Space / Hypersonic / AI / Advanced Manufacturing

- Zoom Webinars (Hiro)
 - Oct/26th - Dr. Michael Winters, Raytheon (Phoenix)
 - Leader in sustainable aviation and aerospace propulsion
 - Senior Fellow, Advanced Technology, Pratt & Whitney/Raytheon
 - Date: Sept/30th - Steve Lee – Cyber Security Webinar (Naveen)
30 Sept, 7-8 PM (Naveen), Naveen 23SEP 11AM looking for dry run presentation
 - AIAA Aerospace Cybersecurity Program Manager
 - Potential speakers:
 - Dr. Nate Richards: UAS & AI related topic (Hiro)
 - 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
 - Other:
 - Posting for Hydrogen Panel recording & possibility of producing a booklet (Albert)
Allison to follow up with Albert
- In-person event for 2021/2022:
 - Concern over COVID 19 D-variant growing... Most likely to affect in-person events...
 - Events in planning:
 - Aug/28: Mass Air & Space Museum in Hyannis & BBQ Lunch (Jeff)
 - Jeff going through family hardship... event may be postponed?
 - Sept/Oct: Pratt & Whitney Hangar Museum Tour (Hiro)
 - Contacted curator in July – Opening to public TBD. Contact again in early Sept
 - Proposed Events:
 - Collings Foundation – STEM Day with Students (Late summer, Fall 2021, or June 2022)
 - New MIT Museum visit (April/May 2022)
 - Boeing / Aurora Flight Science office visit (Above the MIT Museum) (TBD)

Honors & Awards

- Formalize Honors & Awards Committee (Proposal below):
 - Professionals Excellence & Volunteer Leadership Awards: Council Officers & Charlie
 - Student Leadership: Umanga & John Blandino
 - STEM & DEI Educator Leadership: Allison, Osa & Charlie
 - Anyone interested in being a part of the committee, please contact Hiro
- Professionals Excellence & Volunteer Leadership Awards (Charlie & Officers)
 - Develop criteria
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- Award for College Student Branch Leadership (Umanga & John)
 - Finalizing the criteria

- Consult Faculty Advisors, identify potential candidates & send the list of nominees to the council for approval
- Award for STEM Educator Leadership

- Award for STEM & DEI Educator Leadership (Allison, Osa & Charlie)
 - Develop criteria
 - Identify potential candidates & send the list of nominees to the council for approval
 - Cedric Turner?

- A “Thank you” gift for Zoom volunteer speakers & event hosts (Hiro)
 - Proposal - Small paperweights
 - Send a list of 10 zoom speakers from 2020 to the council for approval

3. Other

- Next council meeting on September 23rd, 7:00pm-8:00pm.