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=TjdUODZQSndiQkl2amlRaEdSNEo5dz09
- 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])

2. Reports by Committee Chairs & Activity Leads:

- Newsletter (Jeff / Charlie)
  - Updates Working June, new officers, every committee member can do a half-page?
  - Is anyone interested in joining the team? Contact Hiro or Charlie.

- 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](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

- New England Air Museum
  - [https://www.neam.org](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

- $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

- 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
  o 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?
  o 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.