Meeting Agenda

Time & Date: 7:00 pm, Thursday, March 23rd, 2023
- Zoom Meeting: https://aiaa.zoom.us/j/85893471341

AIAA-NE online information:
- LinkedIn: https://www.linkedin.com/company/aiaa-new-england/
- Website: https://engage.aiaa.org/newengland/home

1. Opening Remarks & Administration:

- Opening Comments / Highlights since the last meeting:
  - Section Officer Election | Call for nomination is now open | Due June 01, 2023 (Hiro)
    - By April 15: Nominating Committee presents its slate to the council.
    - By April 22: The committee shall combine that slate with nominations from the membership.
    - By May 1: If an election is required for contested slots.
    - By May 20: Voting closes.
    - Committee determines the winner(s).
    - On June 1: New councilors take office.

- Finances / Expenditures (Osa)
  - 1. Key updates:
    - Section Audit-Budget Report – Due June 30th
      - Gibbon’s Middle School ($250 STEM Grant)
  - 2. Current balances: $16,412.16
    - Checking: $6,397.07
    - Savings: $10,015.09
  - 3. Expenses: $7,122.66 (vs. Budget $11,870)
    - AIAA Pens Purchase: $628.35
    - Postage cost (Speaker Pens): $224.25
    - Students visit to Test Devices (Food): $138.34
    - Model Aviation Club DBF Activities: $995.00
    - AIAA NE Awards, Jade Glass Paperweights/Photos: $2,699.71
    - Postage costs (Awards): $362.20
    - Dan Raymer Book Purchase: $475.20
    - Postage costs (Webinar speaker gifts): $58.27
    - Wentworth Student Branch “Aerospace Club” Visit: $77.12
    - Early Career Night With Industry: $1464.22
    - Pending - STEM Educators’ Grant, Christian A. North: $260.00
    - Pending - STEM Educators’ Grant, Veazie Community School: $250
    - Pending - Brockton High School ARC support: $1,397.67
    - Successful NWI event: $1464.22 | $500 Diversity funding grant received from AIAA National
2. Reports by Committee Chairs & Activity Leads:

- **STEM & DEI (Osa)**
  - $250 STEM & DEI Grants (Osa, Hiro, Charlie).
    - Veazie Community School – STEM Grant: $250
    - Bangor High School – STEM Grant: $250 (Pending)
    - Gibbon’s Middle School: STEM Grant $250 (Pending)
    - Arayan Nagarkatti – Interested in applying for the grant (Pending)

- **College Outreach (Phoenix, Charlie)**
  - **Update on the inter-college webinar session:**
    - Attendees: Madison Harper (Wentworth Institute of Technology), Katherine "Katie" Holmes (University of Maine), Endri Lesha (Ironstar Engineering), Thomas "Phoenix" Robbins (Raytheon Technologies), Taisiya Rykova (Wentworth Institute of Technology), Charlie Wilson
    - A field trip involving a meeting in New York was proposed by Katie Holmes of the University of Maine (UMaine).
    - Katie indicated that AIAA was started at UMaine in 2018, with a rocket launch planned in 2024.
    - At Wentworth Institute of Technology, eight people plan to attend Design Build Fly (DBF) in Arizona from April 13-16, 2023.
    - Compiling a list of school events in New England was also mentioned during the meeting.

- **Presentation by Madison Cash of ERAU:** An ex-RTX intern is ready to present. A potential platform could be a student branch event in March - volunteers are needed.

- **College Branch Activities / Updates from Advisors**
  - WPI (Paul Coccomo): HPRC | WoAA | WPI Turbine Project (Peter Dentch)
    - 2023 HPRC Project Presentation Night March 28th, 6:00-8:30 pm.
  - Middlesex Community College (MCC) - Model Aviation Club (Christian).
    - Burlington High School is looking for Mentors for their Spring Capstone program. A group of students is interested to do their project in drones and work toward their FAA Part 107 license.

- **Professional Development & Outreach**

  **Zoom Webinars (Shreyas)**
  - March 16, 2023, Dr Sunil Patil: Hybrid Electric Propulsion Systems and MBSE, ANSYS

  **Next Speaker:**
  - April 13, 2023, Dan Adamo: “40 Years on the Bleeding Edge of Technology from an Aerospace Engineer's Perspective.”
  - TBD: Andy Brown: “Structural Dynamics of Liquid Rocket Engines”
  - Reach out to Amanda Simpson either for a webinar or the H&A event

  **Potential speakers:**
  - TBD MIT student project presentation (Phoenix) - perhaps OBE. Will be a part of the student branch event
  - Astro
● BU liquid rocket motor project (Hiro, Jason to follow up) - perhaps in Sept/Oct 2023 as an in-person event

● Honors & Awards:
  ● One additional award issue for Eric Griffin (U-ME).
  ● Update on the AIAA-NE Awards – 51 awards total (6 Large trophies / 45 paperweight awards)
    i. BU – Feb 22 with Shreyas and Albert
    ii. MCC - Jan 27, Charlie
    iii. MIT – In conjunction with NWI event on Jan 31, Shreyas
    iv. MIT Lincoln Laboratory: 7 awards presented by the Director February 17, 2023, Osa
    v. SNHU - March 23 or 24 - tbd, Charlie
    vi. U Mass Lowell - tdb, Charlie and others?
    vii. U Maine - April 1 with Dept Chair, Rais-Rohani
    viii. WIT - Seven glass awards Nov 8, 2022. Paper certificates on March 21, Charlie
    ix. WPI - Award ceremonies on Feb 14 – with an HPRC team picture-taking event [who?]
      1. Presented to 14 students with almost 90 members of the club attending
      2. Awards photo: AIAA Awards 2-14-23-E1-Enhanced.jpg
      3. HPRC new team photo: HPRC 2022-23 Team Photo (2).jp

● Membership Outreach (-):
  ● New volunteers wanted!

● In-person event for 2022/2023:
  ● Next event:
    o AIAA-NE Banquet Dinner (Spring)
      • Shreyas has started to work on this event - Targeting an event in April or May 2023.
      • Venue search ongoing perhaps at MIT LL, Draper (meeting on March 27th)
  
● Other event ideas & proposals in plan:
  o New MIT Museum visit (TBD).
    • Check the revised date for the Apollo 17 event and reschedule.
  o Collings Foundation – STEM Day with Students (June 2023).
    • WPI team (Peter Dentch) is interested in organizing the day.
  o New England Air Museum, Windsor Locks, CT https://www.neam.org

3. Other

● Newly formed Aerospace Student Club from NY - Introduction and presentation.

4. Action items

● When could UMaine visit Boston area branches - needs coordination
● Explore a possible connection with UMaine and Christian's link into MIT's Native American Students Association to the Maine Indian Education schools.
  o MIT staff advisor Nancy Dalrymple is assisting
One school is the Indian Island school for Penobscot students is only 10-15 minutes from U Maine in Orono. The two others are in Indian Township and Pleasant Point (Passamaquoddy). These two are 98 and 115 miles northeast of U Maine, Orono.

Charlie is working on this

- get the RAC I charts posted which Shreyas attended from all sections - should be interesting since Sheryas said we are 2nd most active
- As we understand it, future funding comes thru Region I so we need to keep them in the loop and perhaps help them
- Apollo heat shield material and video to Mass Air & Space Museum in Hyannis - Jason and Textron Systems Legal working with the museum
- Get organized to support the Collings Foundation/American Heritage Museum event on 17/18 June with the jet engine and other activities
  - Bu and Northeastern have also participated before to great effect, Charlie to investigate possible activity this year.
  - Scott Stadler (previous chair) had a table at a previous one we attended with swag including water bottles
  - Rick DeMeis (former Chair) is returning our large and podium sized banners
  - Hunter Chaney has asked for a write up and photos for their publicity
- Are all recent events written up and posted? And some sent in for publication in Aerospace America?
- Are dates set for all student branch award presentations? - Only U Mass Lowell remains to be determined

- Inventory, determine needs and order more swag as needed