

## Meeting Agenda

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Time & Date: 7:00 pm, Thursday, July 18th , 2024

- Zoom Meeting: <https://aiaa.zoom.us/j/81217171977>

AIAA-NE online information:

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

## 1. Opening Remarks & Administration:

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- Opening Comments / Highlights since the last meeting:
  - Honors & Awards event in May- A massive success
  - We swept the section awards ceremony! Highest number of awards till date
    - Outstanding Activity Award Recipient
    - Outstanding Section Award – Second Place
    - Communications Award – Second Place
    - Membership Award – Third Place
    - Young Professional Activity Award – Second Place
    - Section-Student Branch Partnership Award – First Place



- Finances / Expenditures
  - 1. FY 24-25 Budget (\$8,850) breakdown:
    - Education Program (3 STEM Grants): \$750
    - Pre-college Programs: \$1,500
    - Young Professional Programs (Night-With-Industry): \$1,500
    - DEI Programs (Brockton Schools Aerospace Robotics Competition): \$1,000
    - Student Branch Activities: \$1000
    - Honors & Awards Event: \$2,500
    - Postage: \$150
    - Supplies: \$350
    - Bank Charges: \$100
  - 2. FY24-25 Income: \$0.00
  - Projected Income: \$5,500
    - AIAA CAT II Section Awards: \$1,000
    - AIAA CAT III (Dec. 8, 2023) : \$500.00
    - AIAA CAT I Funding (Jan.5 2024) : \$4,000
  - 3. FY24-25 Expenses to date: \$1, 413.47 .
    - Brockton Public School ARC Grant: \$1000 (FY23-24 Award)

- Christian North, STEM Grant: \$250.00
- Bank Service Fees: \$95
- Event QR Code + Gas Expenses: 68.47
- 4. Current balances: \$9,448.88 (Checking: \$ 2,432.37 | Savings: \$7,016.51)
  - Current Balance (\$9,448.88) = Beginning balance (\$10,862) + Income (\$0) - Expenses (\$1,413.47)+ Savings Interest (\$0.24)
- 5. Review the budget and prioritize events

## 2. Reports by Committee Chairs & Activity Leads:

- STEM & DEI (Osa)
  - The AIAA New England Section supported two teams from the Brockton Public School in the Aerospace Robotics Competition
    - The top three teams have secured invitations to the inaugural National Competition in California this month
    - <https://www.cbsnews.com/boston/video/brockton-drone-team-invited-to-national-competition-in-los-angeles/>
    - The AIAA NE section has funded Brockton High School the past two years; second place showing in 2022; third place in 2023; and third place in 2024
- Updates on \$250 STEM & DEI Grants (Osa, Hiro, Charlie).
  - Christian North's proposal has been approved(\$250)
- Bob Shin's expenditure to be funded by AIAA?
  - Decision after budget prioritization
- College Outreach (Peter, Charlie)
  - **Update on the inter-college webinar session**
  - ARC
  - SSTC essay contest- did not receive any submissions
  - Time to plan visits to each school
    - Done for 2023-24
- College Branch Activities / Updates from Advisors
  - RPI (Kush Podder)
  - WPI (Paige Rust): AIAA Jet Engine Project | WoAA | HPRC
    - Jet Engine Project outreach event at American Heritage Museum (June 15/16)
      - Great success
      - Coordinated with the university to arrange attendance
      - Ran the engine on both days and talked with many people/families
      - Pictures: [Collings 2024](#)
    - HPRC launched today (June 20) at the competition in New Mexico
      - Rocket flew to 10k ft and deployed their robotic payload
      - Ground station telemetry featured during the launch live stream
      - Presented on their design of a static radio system for high-altitude amateur rocket flights
      - Awaiting final scoring from judges
  - Middlesex Community College (MCC) - Model Aviation Club (Christian).

- Others: - plan visits?
- Professional Development & Outreach
  - Space technology
  - AI/ML, data driven methods
  - UAM- unmanned aerial mobility
  - sustainable aviation
  - no activity – Additive manufacturing - Philip King at U Me runs a well-funded lab and participated in Nov 15th webinar
  - Newsletter

#### Zoom Webinars (Nanditha/Durgesh)

- Allan turner- Nov 15th 2023
- Paul DeTrempe, Draper, Nov 28th 2023
- Nayan Bohidar- Jan 25th, 2024
- Paul Bevilaqua- Feb 22nd
- Eric Ormit- March 20th
- Seongkyu Lee- UC Davis- June 12th
- Graham Candler- MIT September

#### Next Speaker:

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#### Potential speakers:

- Graham Candler- university of minnesota- hypersonic technology- inperson event in September
- Susan Ying (SVP. Amp Air) - Aviation Electrification WorkWebinar: Susan Ying (Ampair) – She responded but has not confirmed the date yet...
- Webinar: Nuno Taboda (MagniX) – I learned he is leaving the company... So bad timing..
- No action - Possible response to Scientific American lead article on critical dangers for space habitation (needs speakers with real expertise - we have many in the section - who knows them?)

- Honors & Awards:
  - Inform award winners beforehand and tell them that they can bring their families and friends to the event
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### 3. Other

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- Allan Miller was nominated for the 2024 **Trailblazing STEM Educator Award** which Cedric Turner recently won in 2022, worth \$10k.

- Awarded to others, New England won in 2022, probably too soon
- Newsletter
  - Article highlighting Aerospace America monthly issues could be included - the magazine could be easily better publicized so members are reminded what they are getting for their dues. Articles are well done and represent a lot of work. Might be a way to get an uninvolved member doing this. Example from WIT visit



- Bylaws
  - Hiro sent the bylaws document from 2019. Council will review in Feb/March and discuss during the council meeting in March
- New councilors?
  - From STEM Nov 15th Webinar: Allan Miller (Williston Vt schools), Philip King (U Me), Bob Gilmore (EA in central Mass).
- NSS
  - Bruce Mackenzie will be elected to the Board of Directors of the National Space Society (NSS), he could be a liaison for any joint projects / events / presentations / etc. BMackenzie@alum.mit.edu