



# Board of Governors

AOC Educational Foundation

1001 N. Fairfax St., Suite 300

Alexandria, VA 22314

## MINUTES

10 October 2024



### THOSE PRESENT

#### Executive Committee

- Brian “Hinks” Hinkley, President
- Dennis Monahan, Secretary
- Erik Bamford, International Rep.

- Tony Lisuzzo, President Elect
- Jim Utt, Treasurer
- Shelley Frost, Executive Director

#### Regional Directors

##### 2024

- Dennis Monahan, Mid Atlantic
- Wayne Shaw, Mountain Western
- Jim Utt, Central

#### Staff and Others (not-voting)

- Shelley Frost
- Tony Ramos
- Ken Miller

##### 2025

- Erik Bamford, International I
- Amanda Brockermeier, Pacific
- Mark Schallheim, Northwest

- Kathy Hartness
- Christine Armstrong
- Hollann Schwartz
- Glorianne O'Neilin
- Samantha Kim
- Lauren Schoener-Gaynor
- Bob Andrews
- Nino Amoroso
- Steve Oatman
- Dr. Haruko Kawahigashi
- Ken Dworkin
- Robert “Sherm” Oliver
- Paul Vavra
- Frank Ball
- Ken Parks

##### 2026

- Brandon Coleman, Southern
- JP Kim, International II
- Myles Murphy, Northeast

#### Adjunct Member (Board of Governors)

##### 2023-2024

- Mick Riley
- Tim Kuehhas

#### Past President

- Glenn “Powder” Carlson

**Legend:**     Present         Not Present        Present by Internet/Telephone

### CALL TO ORDER

Proper meeting notice having been given and with a **QUORUM** present, the Board of Governors meeting **CONVENED** at 1600 EST, Thursday, 10 October 2024 via TEAMS teleconference. President-Elect Lisuzzo called the meeting to order.



## SECRETARY REPORT

Minutes from the 6 June 2024 BoG were provided as read ahead for member review and approval. Highlights from the meeting were provided to the BoG.

No Action Items (AI) were opened or closed during the 6 June 2024 meeting.

It was **MOVED** and **SECONDED** (Monahan/Shaw) to **APPROVE** the minutes from the 6 June 2024 AEF meeting as amended. **MOTION PASSED.**

## GOVERNANCE REPORT

Governance Chair Carlson provided updates on the following:

- All OPMANs are up to date.
- The Scholarship Charter review was completed on 12 September 2024.
- The STEM Charter is currently under review.

## BOG TREASURER REPORT

Treasurer Utt provided a review of the Education Fund financials. Overall account balance stands at \$172k as of 30 September 2024.

It was **MOVED** and **SECONDED** (Riley/Monahan) to **APPROVE** the FY24 Treasurer's report as presented. **MOTION PASSED.**

## PRESIDENT'S COMMENTS

President Hinkley welcomed Lauren Schoener-Gaynor to the AOC staff.

President Hinkley identified the need to increase the vote in the ongoing election.

## STRATEGIC PLANNING COMMITTEE UPDATE

Mr. Murphy reviewed recent activities by the Strategic Planning Committee and its subcommittees (Scholarships, STEM, Other Education, and Fundraising):

- First team meeting held March 20th to discuss best way to get organized and formulate 5-year strategy.
- First draft of 5-year AOC AEF Strategic Plan completed for team review.
- AEF strategic planning workshop held at AOC HQ on June 5th to complete goals and objectives.
- Second draft of 5-year AOC AEF Strategic Plan completed and reviewed by the team.
- AOC staff decomposed the AEF Strategic Plan into a final Strategic Plan and drafted the AEF Operating Plan.



- TEAMS meeting held October 3rd to review updated AEF Strategic Plan and discuss plans for AEF Operating Plan; AEF Strategic Plan finalized; AEF Operating Plan currently being developed.

#### 2025-2029 AEF Strategic Plan Goals:

- Establish a robust fundraising program to ensure the sustainability and growth of scholarships and educational initiatives.
- Expand and enhance our scholarship programs to provide financial support to aspiring EMSO professionals.
- Support and enhance stem activities on electromagnetism for youth engagement across chapters to expose young students to the exciting possibilities within the EMSO domain.
- Broadening opportunities for learning and talent development to ensure a steady pipeline of skilled professionals entering the EMSO workforce.

#### Fundraising Objectives:

- Assess current fundraising capabilities; develop a fundraising plan for 2025; target to attain \$1 million in funds by 2029.
- Recruit and train a dedicated fundraising team with expertise in various aspects of development, including major gifts, corporate sponsorships, and grant writing.
- Explore and develop multiple revenue channels, including individual giving, corporate partnerships, working with the Combined Federal Campaign (CFC), grant funding, and special events. Pilot new fundraising initiatives, such as online campaigns, peer-to-peer fundraising, and legacy giving programs, to tap into new donor segments and opportunities.
- Build and strengthen relationships with industry partners and individuals to create new funding opportunities.

#### Scholarship Objectives:

- Review and assess our current scholarship offerings to identify areas for expansion and enhancement including various needs and career stages, such as undergraduate, graduate, and professional development scholarships.
- Launch an extensive outreach campaign to raise awareness about our scholarship programs among potential applicants, industry, and educational institutions.
- Continuously evaluate and refine the programs based on feedback from recipients and stakeholders to ensure they meet evolving needs and expectations.
- Expand the Future 5 program to include international members and recognize winners at international conferences.
- Work closely with the AOC BOD to ensure the scholarship program has adequate funds to execute all objectives.



### STEM Objectives:

- Encourage chapters to implement a diverse range of STEM programs, including science fairs, workshops, and interactive demonstrations that highlight the electromagnetic spectrum. Create age-appropriate activities that engage students in meaningful and relevant ways.
- Establish relationships with existing international STEM programs that have proven successful (e.g., International Science & Engineering Fair (ISEF), USA Science & Engineering Festival, and Griffiss Institute) and determine how we can integrate electromagnetic activities into their existing programs.
- Launch targeted outreach campaigns to raise awareness about our STEM programs among students, parents, and educators, emphasizing the value and impact of pursuing STEM careers, specifically in the electromagnetic sciences including online content.

### Learning & Talent Development Objectives:

- Leverage partnerships with EMSO stakeholders across government, military, industry, and academia (including museums).
- Engage government and military stakeholders to identify EMSO challenges that can be shared with universities and programs that work with universities (e.g., VICEROY). Collaborate with universities to support relevant graduate and postgraduate research in the electromagnetic sciences.
- Collaborate with EMSO stakeholders across government, military, industry, and academia to address workforce and talent pipeline challenges.
- Encourage Chapters to establish mentorship programs and events where industry professionals can guide and inspire students, sharing their experiences.
- Engage with congressional representatives, education committees, and relevant stakeholders to build support for the introduction of a bill that mandates the inclusion of electromagnetic sciences in high school and undergraduate curricula.
- Regularly review and update programs based on feedback and industry changes to ensure they remain relevant and impactful.

Mr. Murphy reviewed the 2025-2029 DRAFT Budget.

- There was significant discussion on the estimates in the budget.

### **SCHOLARSHIP AND FUTURE 5 PROGRAM UPDATE**

Mr. Riley provided a high-level overview on the scholarship program.

The Raytheon scholarship winners were announced:

- Peter Braza — University of Colorado Boulder.
- Anna Ottman — Bucknell University



#### Future 5 update:

- Received 18 applications: all U.S. citizens.
- In 2025 the Future 5 will be open to International applicants; the Future 5 Committee will review the application and instructions to ensure the program is appropriate for encouraging international participation

#### 2024 Future 5 winners were announced:

- Matthew Copeland
- Imani Davis
- Michael Gutierrez
- Paul Kennedy
- Paul Wilkowski

#### 2023 Future Five Updates:

- Jarrett Holcomb (GA) has joined the AOC E&T Young Crows Advisory Board with Ken Dworkin to help promote the talent Pipeline ((Recruit -> train -> retain -> retire) for young crows; participating at IEEE events by speaking at universities and conferences about the importance of EW; at SwRI participating in the ambassador program helping interns and young engineers learn about EW
- Michael Dimeo- Still working with the Spacecoast Chapter to get it back up and running.
- Several Future Five Winners assisted with Judging this year's program
- Have added some future 5 recipients to the committee

### **STEM COMMITTEE UPDATE**

Mr. Schallheim provided a high-level review of STEM committee activities.

#### Support and Enhance STEM Activities - Objectives:

- Encourage chapters to implement a diverse range of STEM programs, including science fairs, workshops, and interactive demonstrations that highlight the electromagnetic spectrum. Create age-appropriate activities that engage students in meaningful and relevant ways.
- Establish relationships with existing international STEM programs that have proven successful (e.g., International Science & Engineering Fair (ISEF), USA Science & Engineering Festival, and Griffiss Institute) and determine how we can integrate electromagnetic activities into their existing programs.
- Launch targeted outreach campaigns to raise awareness about our STEM programs among students, parents, and educators, emphasizing the value and impact of pursuing



STEM careers, specifically in the electromagnetic spectrum sciences including online content.

#### 2025 AMW EMS STEM Focus Goals:

- Chapters to increase EMS awareness and influence in existing and new STEM Programs.
- AEF STEM to enhance EMS awareness to youth by prompting AOC and supporting projects in “Society of Science” and other Events [AOC name recognition with EMS STEM technology and defense].
- Investigate Universities in STEM interaction and activities (via Chapters or group of AOC volunteers).
- Research creating new relationships between AOC STEM and Government, Corporate, DoD, Academia to expand EMS education, clubs, laboratories, and R&D in Universities as well as access to internships.

#### 2025-2029 AMW EMS STEM Goals:

- Further expand AOC Chapters to share and interact with each other, as well as cooperate and collaborate to participate in Science Fairs, STEM Events and/or Programs with Government, Defense, Corporate, Associations and Educational Organizations. 10% or more increase from the previous year.
- Increase Society for Science and ISEF involvement with an increase in number of student EMS projects by 10% or more from previous year. Interact with High School educators that support these Fairs to encourage student participation in EMS studies/projects.
- Review and refine STEM Objectives on a bi-annual basis to ensure growth and reduction of conflict or redundancy with other Professional development (for example, Museums, Scholarships, Internships, Education, Websites, Webinars, Support Staff).
- Investigate/experiment in pursuing University or Outstanding HS Students to participate in Convention & Symposium, Conference, or other AOC events. Goal is to demonstrate the capability and excitement of a career in AOC related activities such as EMSO or other activity.
- 2025-2029: [Reinvent past STEM?] Examine if NOW(?) is the time to possibly create virtual events for student competition. Should we have a repository of EMS/EW/EMSO/CYBER Information for students? Should we host blogs? Should we have videos? Should we have chat rooms? Should we manage mentorship between students and Experts? Should we have a large STEM event?

#### “Possibly starting after 2025” AMW EMS STEM Goals:

- 2026-2029: Congressional Advocacy, Industry & Academia outreach concerning deficiency of EMS & EMS Defense in Education & STEM programs.
- 2027-2029: Develop EMS educational opportunities with Educators.



- 2028-2029: Expand EMS STEM Awareness in the General Public.

### **BUDGET DISCUSSION (AD HOC – NOT IN ORIGINAL AGENDA)**

A discussion was initiated to walk through the assumptions and tie backs between the AOC Budget and the assumptions made in the Strategy and STEM DRAFT Budgets.

President Hinkley pointed out that in the past, no one had been held accountable for meeting the milestones. If history holds, having a full-time staff employee focused on this effort should see success in the approach.

There is an interest in sticking to an objective of making both the AOC and the AEF independent organizations.

We need to roll the budgets all up into an organizational budget for awareness.

Mr. Bamford identified a potential link to the certification program as a tool for generating corporate interest in providing support to the Foundation.

### **CLOSING COMMENTS**

President Hinkley thanked everyone for participating in the meeting. He reflected that these meetings are some of his favorite because the AEF represents where we want to take EMSO. It also takes investment and staff dedication. He made the case that we need a staff hire to help meet the objectives stated in the reports.

It was **MOVED** and **SECONDED** (Hinkley/Monahan) to adjourn the meeting. **MOTION PASSED**. Secretary Monahan **ADJOURNED** the proceedings at 1800 hours EST, 10 October 2024.

### **RESPECTFULLY SUBMITTED**

Presented by the Secretary for **APPROVAL** by the Board of Governors on 10 December 2024.

*Dennis Monahan*

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Dennis Monahan, Secretary

10 October 2024

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Date

