



ASSOCIATION
OF OLD CROWS



JOIN THE LEGACY,
SHAPE THE FUTURE





May 2025 - AOC Foundation EMS/STEM Committee Report

- Mark Schallheim, Chair

Committee Members:

- Adam Tagert
- Eugene Sullivan
- Keith Everly
- Seng Hong
- William Baez
- Larry Rzepka

Topics:

- Interaction with AOC Chapters to explore their involvement in STEM activities in their local communities.
- Partnership with the Society for Science and their International Science & Engineering Fair (ISEF) May 2025 in Columbus, Ohio.
- Discussion on how to potentially partner with the National Science Teachers Association and the World Robot Olympiad Association to provide speakers and demonstrations at their conferences and international events.

AOC Chapters & STEM Activities



Outreach to the AOC Chapter Presidents or their representatives was determined to be the key to promoting the inclusion of the electromagnetic spectrum in STEM education by our chapters to their local communities.

A meeting was arranged with the Committee Chair and the Chapter Presidents to start gathering information on exactly which of our chapters are involved in doing this. As a result, the data is starting to be collected and can be used by the Foundation to start promoting their efforts on a national/international level.

Hopes are that by showcasing some of the chapters' efforts, other chapters world-wide will start doing the same in their local areas and increase the pipeline of students exposed to the EMS encouraging them to consider where their future studies and careers might be heading.

The AOC Educational Foundation participated in the Society for Science's International Science & Engineering Fair held in Columbus, Ohio from May 11-16 in Columbus, Ohio. We manned an exhibit booth for the College & Career Fair and came on board as a Special Award Organization providing \$5,000 in prize money for projects that demonstrated an understating of EW and the electromagnetic spectrum.

More than 1,600 students from 62 countries participated in the competition. Our team of judges was made up of Mark Schallheim, Seng Hong, Adam Tagert, Eugene Sullivan, Keith Everly, William Baez & Larry Rzepka.

1st Place (\$2,500) - Kyungjin Shin & Junseop Shin (South Korea)

2nd Place (\$1,500) – Cavon Hajimiri (California)

3rd Place (\$1,000) – Jonathan Dorminy (Georgia)

2025 ISEF



Additional Partnerships



After our success at the 2025 ISEF, the Committee has been discussing other avenues to engage young people in the study of STEM; specifically, to start studying the EMS and looking at potential future careers.

One avenue is through our science educators. We have been invited, and are considering, potentially partnering with the National Science Teachers Association to provide lecturers, an exhibit booth and a possible demonstration of how teachers could incorporate the study of the EMS in their science programs at their Fall conference in Minneapolis in November.

In addition, we have been approached by the World Robot Olympiad Association to consider holding a demonstration at some of their national/international competitions. Their International Final will be held in Singapore in November with anticipated representation from 85 countries.