


2023

Member Activity Report

 AMERICAN
ACADEMY
OF ENVIRONMENTAL ENGINEERS & SCIENTISTS®

AAEES PATRONS



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PRESIDENT'S REPORT



As I look back over my time as the longest-serving President in the Academy's history, I am proud of what the organization has accomplished over the past year.

A few years ago, AAEEES was facing significant challenges, and I was worried about our survival. However, I believe that we have turned that around, and we are now thriving better than ever.

At the start of my term as president, I developed an Annual Plan that serves as a roadmap for executing the goals and objectives outlined in the Strategic Plan and details the key initiatives, actions, and timelines required to achieve the desired outcomes.

Key elements in the annual plan were successfully implemented including increasing engagement of and improving services for our student members, stabilizing the Patrons Program, improving the services for all categories of membership, and improving our financial status. Highlights are below and more detail is given throughout this Member Activity Report.

It is important to acknowledge the contributions of the Board, committees, and staff who have played a role in our turnaround.

What I hope to be my legacy is that AAEEES should endeavor to become "THE" professional organization for environmental engineers and scientists. I'm optimistic about the future of this organization and believe the Academy is in a stronger position to become the organization that serves as a bridge between all environmental engineers and scientists.

I hope you have a happy holiday season.

Highlights of 2023

Became President in summer 2022 – longest serving President in Academy history

Initially focused on stabilizing the role of Executive Director

Leveraged the Strategic Plan to create a 2023 Annual Plan approved by Board of Trustees

- Hired permanent Executive Director – Dan Oerther (50% cost savings over prior arrangement)
- Relocated Academy office – from \$5k/month to \$1k/month (from 5yr lease to 1yr lease)
- Promoted free student membership and revitalized local student chapters
- Launched Nationwide Career Networking Fair – April and again in September
- Launched Nationwide Intern Networking Fair – August
- Stabilized Patron program – currently 5 utilities and 5 consulting firms
- Convened quarterly Board meetings and bi-weekly Executive Committee meetings
- Convened Spring Award Celebration and Autumn Summit on Community Engagement
- Completed a successful election and transition to 2024 leadership team with President elect Wendy Wert
- On track to close out 2023 with approximately \$300,000 excess cash on hand (9-month operational reserve)
- Established a goal to become "The" professional organization for environmental engineers and scientists.

STRATEGIC PLAN: JANUARY 1, 2024 THROUGH DECEMBER 31, 2029

Up until 2007, the American Academy of Environmental Engineers and Scientists was operating on a year-to-year basis without a long-range plan.

Developing a Strategic Plan was an important step in ensuring that the Academy’s activities were aligned with its goals and objectives. By codifying the Academy’s activities through written Policies and Procedures, it provided a clear framework for decision-making and helped maintain consistency in operations. A Strategic Plan further guided the Academy by outlining its long-term vision, mission, and strategic priorities.

The Strategic Plan serves as a roadmap for the Academy’s future growth and success.

Thanks to the efforts of the Planning Committee, chaired by President-Elect Wendy Wert, the latest Strategic Plan was approved by the Board of Trustees at the October Board of Trustees meeting.

To energize the 2023 plan, the Academy engaged with leadership and members through a systematic process.

This systematic process included:

- Surveying Academy leaders and the membership to gather feedback on the Academy’s organizational goals and member needs.
- Analyzing the data and feedback. This analysis helped the Academy gain a deeper understanding of the needs, areas of concern, and expectation of both leaders and members.

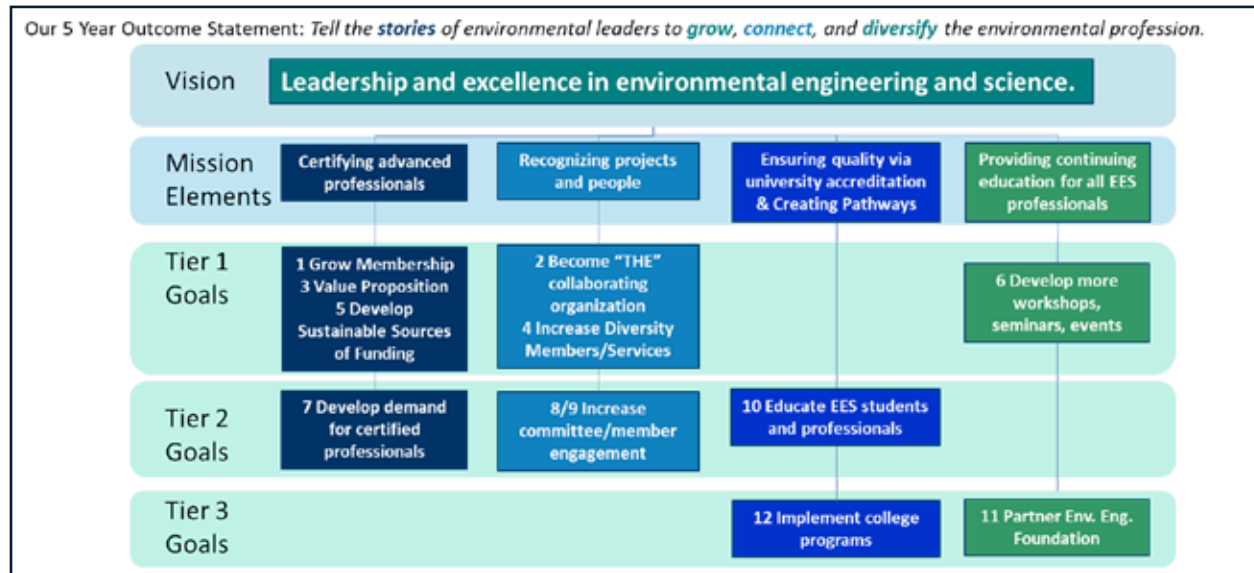


- Developing an action plan based on the analysis of the data to identify and prioritize needs.
- Developing a plan to implement and monitor the progress and outcomes of these initiatives.

Strategic plan goals are illustrated in the image below.

The Five-Year Outcome Statement of the plan is to tell the stories of environmental leaders to grow, connect, and diversify the environmental profession; and to nurture a community of experts to sustainably solve environmental challenges.

To read the full plan, go to: <https://www.aaees.org/guidingdocuments>.



ON THE MOVE

On July 1, 2023, AAEES headquarters relocated to:

1125 West Street, Suite 251
Annapolis, MD 21401

We had been at our previous location for ten years. As with most moves, this gave the staff the opportunity to clean out and get rid of unused items. By purging, recycling, and digitizing a multitude of documents, we were able to downsize to a much smaller office.

WHY NOT INCREASE YOUR ENGAGEMENT WITHIN THE ACADEMY BY SERVING ON A COMMITTEE?

Part of our five-year outcome statement is to tell the stories of environmental leaders to grow, connect, and diversify the environmental profession. A key to achieving this goal is through committee engagement.

The infrastructure of AAEES relies heavily on volunteers. With the support of Academy

staff, our officers and members serving on committees work diligently to assure that we are meeting the needs of our members.

Serving on a committee is a great way to become involved in AAEES, interact with a diverse group of individuals in the profession, and is also a pathway to AAEES leadership positions.

All Board Certified Individuals, AAEES Members, and Students Members are encouraged to become involved.

A list of committees and committee descriptions can be found at:
<https://www.aees.org/committees>.

If you have an interest in serving on a committee, please complete the AAEES Committee

Interest Form at:
<https://www.aees.org/committeeinterestform>.

The following committees have immediate openings:

- K-12 Committee
- Radiation Protection Committee
- Industrial Hygiene Committee
- Publications Committee

GROWING THE PATRONS PROGRAM

AAEES has been in existence for more than 60 years, credentialing professionals in environmental engineering and science, educating the public about the value of environmental systems, working with ABET (the Accreditation Board for Engineering and Technology) as the Lead Society in the accreditation of more than 100 college and university Environmental Engineering programs, and providing recognition for noteworthy projects and programs in the annual Excellence in Environmental Engineering and Science competition.

To sustain the Academy’s programs and enhance their effectiveness, the Patron Program exists for fiscal support. It is the Academy’s firm

belief that the synergistic impact of individual membership activities, coupled to support from the organizations in which they work, creates a powerful success model that will enable the Academy to better implement its organizational goals and mission.

Launched in 2015, the Patrons Program is far-reaching. Its intent is to have our Patrons co-brand with the Academy for everything that we do in outreach to members, other environmental organizations and practitioners, and the general public.

The following list captures a summary of the AAEES Patrons Program benefits:

Thank You to our Patrons!



THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA



LOS ANGELES COUNTY SANITATION DISTRICTS
 Converting Waste Into Resources



Advertising/Visibility

- Featured recognition/advertisement of Patrons on the AAEES website. AAEES works closely with the Patrons to post its content as an important mechanism to publicize accomplishments and serve as a recruiting tool for new talent.
- Prominent advertisement (verbal recognition/signage/logo) at all AAEES sponsored events including virtual.
- Recognition included in all webinar marketing material.

Education

- Host an AAEES webinar to share your firm's knowledge and include your promotional video

Financial Benefits

- Issuance of two complimentary registrations to attend the Annual AAEES Awards Luncheon and Conference
- Four complimentary technical entries (value equivalent to \$2,000) for the Excellence in Environmental Engineering and Science competition (E3S)
- Waiver of the AAEES certification application and examination fees for all employees who qualify ((value equivalent to \$250 per employee)
- Unlimited posting of jobs on the AAEES Job Board at (value of \$200/ job posting).

The Patrons Program is much more effective in providing consistent recognition for our Patrons. Wherever the Academy goes and wherever Academy materials appear, those of its Patrons also appear.

In establishing the Patrons Program the Academy acknowledges and appreciates the past economic support of corporate, agency, and academic entities. Their support for individual events and programs has been beneficial to the Academy. We believe that the Patrons Program outlined here will be more effective in achieving the goals of the Academy in developing its programs, and more effective in providing the recognition that our Patrons seek for their sponsorship of the Academy.

Administratively, the Patrons Program enables Patrons to support the full slate of Academy activities through one annual contribution. We are setting annual Patron contribution commitments of:

- \$8,000 for Corporate/Consulting category
- \$6,000 for Public Agency/Government category

We invite you to consider having your organization become an Academy Patron. Your decision to participate will trigger our sending you a simple 'Patrons Program Participation Agreement' that lists the program features and benefits. This will be followed by contact from the Academy staff to determine your preferred invoicing and form of payment information. We will also need to have Patrons staff contact information to ensure that we have requisite materials -- accurate logos, entity identification, website links, and other items -- to enable us to create the content we will use to maximize your exposure and recognition as an Academy Patron.

**Learn more about the AAEES Patrons Program at
<https://www.aees.org/patronsprogram>**

AAEES EVENTS

AAEES added several new and exciting events in 2023. In addition to our webinars, we held Career Networking Fairs, PechaKuchas, Regional Events, and our first AAEES Summit.

A full list of events can be found at: <https://www.aaees.org/events>.

2023 AAEES Webinars

All AAEES webinars have been free to members for about a year and a half now. Our sponsorship model allows us to offer webinars free to Academy members which is a substantial added value to membership. Sponsors have their logo and company description displayed at the beginning of the event. We also mention the sponsor in each social media post and marketing email we share.

Since we pivoted the webinar model, we have increased webinar registrations substantially. We also see a significant amount of AAEES members who attend our webinars on a regular basis.

All webinars are available on YouTube about a month after they are recorded.

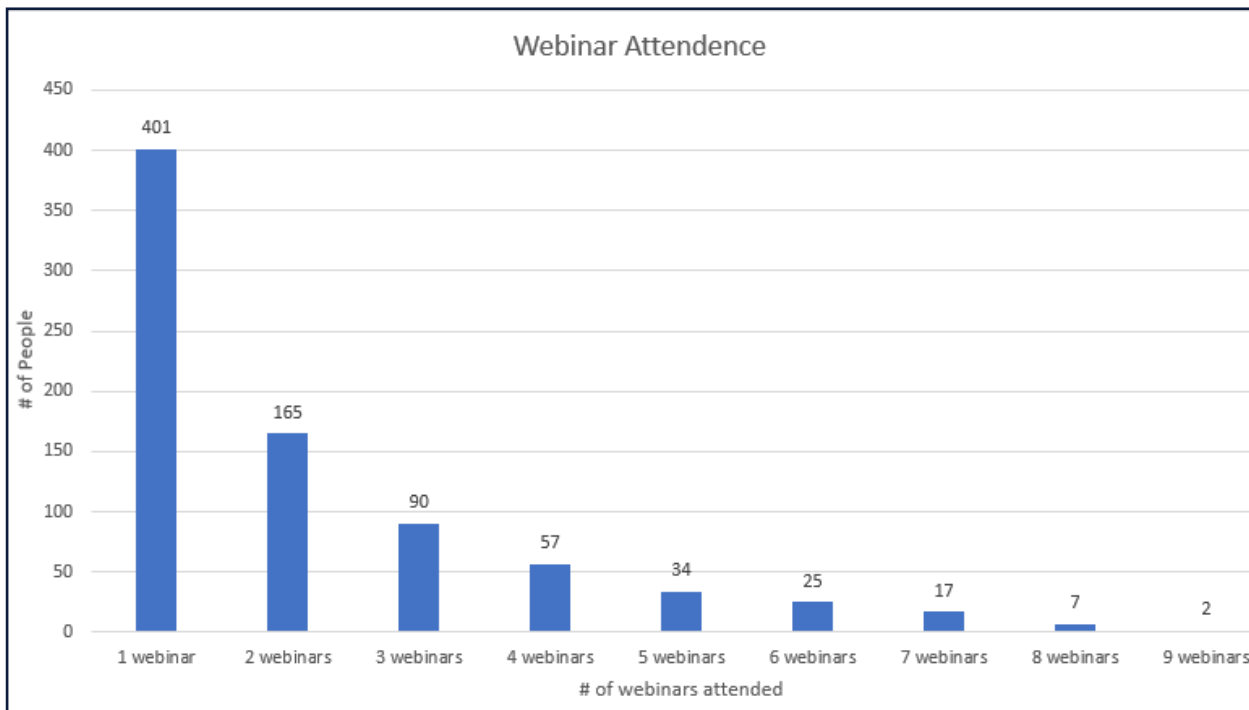
We now offer PDHs for watching a recorded webinar

You now have the opportunity to earn PDHs from recorded webinars! If you miss an AAEES webinar, you can watch it at your convenience and then take a quiz to earn PDHs.

1. Go to our webinar library and watch a webinar of your choice.
2. Once you have watched it, go to the coordinating quiz link to purchase and complete a brief quiz.
3. Once you pass the quiz, we will send you your PDH certificate.

We already have several webinars scheduled for 2024 and we are always looking to leverage our current network of experts in environmental engineering and science to grow our team of outstanding webinar speakers.

Curating a well-rounded webinar series that would appeal to a variety of interests is no small task! Would you like to help? We would be honored if you could nominate 3 to 5 potential speakers in the environmental engineering and science field. Who do you know that is sure to



create a captivating presentation that is relevant to this industry? And by all means, feel free to nominate yourself! Please submit name, organization, and contact information for each speaker recommendation.

Click here to submit via a Google Form: [AAEES Webinar Speaker Nomination Form](#).

2023 AAEES Webinars

8.5 Square Mile Area (SMA) Limited Curtain Wall

Juan H. Vazquez, P.E., PH, BCEE
Executive Vice President
R.J. Behar & Company, Inc.

City Underwater: The Ongoing Challenge of New Orleans Drinking Water Management

Scott Warren, P.E.
Stanley Consultants

Kate Despinoy, P.E., P.M.P.
Stanley Consultants

Chris Bergeron, P.E., P.M.P.
Sewerage and Water Board of New Orleans

Colorado Springs Utilities: Implementing an Energy Vision

David Tennant, P.E.
Senior Engineer
Stanley Consultants

Phil Tunnah
Operations Director
Stanley Consultants

David Longrie
Manager of Energy Resource Planning and Innovation
Colorado Springs Utilities

Complying with the New EPA Multi-Sector General Industrial Stormwater Permit: A Range of Cost Alternatives

Tyler Marshall, P.E.
Stanley Consultants

Bill Carrig, P.M.P.
Stanley Consultants

Trent Humphrey
Stanley Consultants

Engineering for One Planet (EOP)

Cindy Anderson, MS, Med
EOP Strategy Consultant
Alula Consulting

EPA Update of the East Palestine Train Derailment Incident

Mark A. Durno
EPA Region 5
Homeland Security Advisor/On-Scene Coordinator

Planning and Execution of the Los Angeles Groundwater Replenishment Project

Andrew Han, PE
Civil Engineering Associate III
Los Angeles Department of Water and Power

Sebastien Rossouw, EIT
Civil Engineering Associate I
Los Angeles Department of Water and Power

Michael Bustillo-Sakhai, MS, PE
Civil Engineering Associate I
Los Angeles Department of Water and Power

Plastics: Hero or Villain When We Manage Their Afterlife?

Bob Gardner, P.E., BCEE
Senior Vice President
SCS Engineers

Chaz Miller
CEO
Miller Recycling Associates

Potable Reuse in California: Past, Present and Future

Shane Trussell, Ph.D., P.E., BCEE
President
Trussell Technologies, Inc.

Reconstruction with Analytics, Equity, and Resilience After the Marshall, CO Fire

Paul S. Chinowsky, Ph.D.
Director
Resilient Analytics, Inc.

So you want to be a PE and achieve AAEES Board Certification, but how?

Isreal Hodges, Jr., P.E., BCEE, CHMM
Lead EHS Specialist
Rivian Automotive, Inc.

Daniel B. Oerther, Ph.D., P.E., BCEE, BCES
Executive Director and Immediate Past President,
American Academy of Environmental Engineers and Scientists

The New Era of Climate Change: Turn Risk into Opportunity

Paul Chinowsky
Founder and President
Resilient Analytics, A Stanley Consultants company

Jacob Helman
Lead Engineer
Resilient Analytics, A Stanley Consultants company

The Role of Mining in combating Climate Change

Vinio Floris, Ph.D., P.E., BCEE, CSP
Director, Health, Safety, Environment and Quality (HSEQ)
AXIOS Industrial Group

AAEES PechaKucha

As a showcase for several of our 40 Under 40 Recognition Program recipients, AAEES held its first PechaKucha in February 2023. A PechaKucha celebrates people, passion, and creative thoughts. The event consisted of four speakers, each showing 20 slides and presented for approximately 6 minutes. We included a Q&A for each of the presenters. After the success of the first PechaKucha, we followed up with a second one in May. The line up of presenters is listed below.

February PechaKucha**Innovative membrane-based approach for high-strength industrial wastewater reuse**

Samik Bagchi, Ph.D., BCES
Director of Innovation
Digested Organics

Getting Creative with Engineering Management: Why change is needed in engineering management

Rosaleen B. Nogle, P.E., BCEE, CFM
Principal Sanitary Engineer
Buffalo Sewer Authority

Decade long water issues, spread of the COVID-19 pandemic, and the road forward: An untold story from the Navajo Nation

Abhishek RoyChowdhury, Ph.D.
Assistant Professor
Navajo Technical University

A Voice for Biosolids: Telling Our Story

Maile Lono-Batura, BCES, MNPL
Director of Sustainable Biosolids Programs
Water Environment Federation

May PechaKucha

Advancing PFAS Treatment Using Nanotechnology and 3D Printing

Dr. Nirupam Aich
Associate Professor
University of Nebraska - Lincoln

A Subsea Oil Spill Response Solution for a Toppled Platform that has been Leaking into the Gulf of Mexico Since 2004

Dillon R. Hoffmann, PMP
Special Project Manager/Engineering Manager
Couvillion Group LLC

Contaminants of emerging concern in the environment: unintended consequences, new chemicals of concern, and understudied sources

Dr. Lee Blaney
Professor of Chemical, Biochemical, and Environmental Engineering
University of Maryland Baltimore County

Breaking Down the Silos - Multimedia PFAS Workgroup

Dr. Stephanie C. Bolyard
Senior Engineer to the Assistant Secretary
North Carolina Department of Environmental Quality

For more about the AAEES PechaKuchas, go to <https://www.aaees.org/PechaKucha>.

AAEES 2023 Autumn Summit

The Academy held its first AAEES Autumn Summit in October 2023. The theme was **Environmental Engineering and Science in a Community Context**.

Representatives from Society of Women Engineers, Society of Hispanic Professional Engineers, and Association of Women in Science were invited to moderate this event, including:

Lisa Woodward, P.E., BCEE, Society of Women Engineers (SWE)

Lupita Montoya, Ph.D., US Fulbright-Garcia Robles Scholar 2022-2023

Jose Manuel Cerrato, Ph.D., Professor and Regents' Lecturer, University of New Mexico

Justin Hutchison, Ph.D., Earnest C. Pogge Chair's Council Assistant Professor, The University of Kansas

Fernando Hinojosa, M.Ed., Director, Research & Impact, Society of Hispanic Professional Engineers (SHPE)

Boris Martin, Ph.D., CEO, Engineers Without Borders – USA, President, EWB – International

Usha Rao, Ph.D., Professor of Chemistry, Saint Joseph's University, Association of Women in Science (AWIS)

The event also served as an opportunity to recognize our AAEES Patrons. Among those representing the Patrons at our summit were:

Wendy A. Wert, P.E., BCEE, AAEES President-Elect and Environmental Engineer, Los Angeles County Sanitation Districts (LACSD)

Michael Parkowski, Chief of Business and Governmental Services, Delaware Solid Waste Authority (DSWA)

A highlight of the summit was in showcasing several of our student members who took a few minutes to present a poster session. Thank you to:

Olushola Abiodun, University of New Haven, Connecticut

M Qasim Ali, Texas Tech University
Mohammed Braimah, Kent State University

Gergino Chounna Y., University of Padova
Abel Egbemhenghe, Texas Tech University

Hadi Erfani, Islamic Azad University

Yoel Gebrai, University of South Florida

Mastura Morshed Nawmi, Islamic
University of Technology, Bangladesh
Chika Okorie, Texas Tech University

And the highlight of this event were presentations which spoke to the summit theme, Environmental Engineering and Science in a Community Context.

Climate and Economic Justice Screening Tool

Natasha DeJarnett, Ph.D., MPH, BCES
Deputy Director for Environmental Justice
Data and Evaluation
Council on Environmental Quality,
Executive Office of the President

Serving all communities is our shared responsibility

Boris Martin, Ph.D.
CEO, Engineers Without Borders – USA
President, EWB – International

Building Wastewater Infrastructure that will Last Because People Matter

Sherry Bradley, MPH, BCES
Executive Director
Black Belt Unincorporated Wastewater
Program

For more about the Autumn Summit, go to <https://www.aaees.org/autumnsummit>.

Career Networking Fairs

At AAEES, we are constantly thinking of new ways to support our student members as they navigate through their college education to a career in environmental engineering or science.

In 2023, we held up two career networking fairs to connect our student members with several respected organizations and to connect with employers virtually. The goal of these networking fairs was to connect exceptional AAEES

student members with our AAEES Patrons so introductions can be made, and future job opportunities can be discussed.

Career networking fairs are a great way to get a leg up with companies.

The virtual format of the spring career fair allowed the student members to meet with potential employers and discover new career opportunities and most importantly: make an impression.

The fall career fair was a two-day event which included two tracks.

The first day of the career fair served as a preparation for the event, giving participants an opportunity to gain insight on interview best practices, getting tips on creating a LinkedIn account, and more advice for the next day's event.

The second day featured two tracks. Track One was a speed networking session matching company representatives with students pursuing a baccalaureate degree. Track Two featured graduate students and post-doctoral scholars who matched with companies looking for their skills.

Virtual Road Trip - Regional Events

Our 2023 focus was on trying new activities and strengthening our connection with and between our members. Our regional Zoom events gave AAEES members and guests the opportunity to join up, hang out, and build professional relationships.

AAEES held several regional events in 2023. The areas covered included:

NY/Boston

LA/Phoenix

Chicago/Milwaukee/Detroit/Cleveland

Dallas/Houston

Philly/DC

Atlanta/Miami

THE 2023 AAEEES AWARDS CEREMONY

The Academy's crown jewel event, the AAEEES Awards Ceremony was held virtually on April 13, 2023.

AAEEES Trustee-at-Large, Isreal Hodges, Jr., P.E., CHMM, BCEE served as Master of Ceremonies. He did an excellent job of carrying this event. Not only did he serve as host, he announced and introduced the long list of award winners.

Paul Westerhoff, Ph.D., P.E., BCEE, Professor of Arizona State University served as the Keynote Speaker.

In attendance were AAEEES leaders: AAEEES President, David Vaccari, Ph.D., P.E., BCEE, President-Elect Wendy A. Wert, P.E., BCEE, and AAEEES Executive Director Professor Daniel B. Oerther, Ph.D., P.E., BCEE, BCES.

Special guest, Stephanie Harrington, Director of Constituent Relations at ABET was also present. ABET was the sponsor of the Excellence in Engineering and Science Education Award.

The full list of award recipients follow.

HONORARY MEMBER (IN MEMORIAM)

J. Sammi Olmo



INTERNATIONAL HONORARY MEMBER

Jiangyong Hu, Ph.D., BCEEM



HONORARY MEMBER

Janet G. Hering, Ph.D.



EDWARD J. CLEARY AWARD

Rao Y. Surampalli, Ph.D., P.E., BCEE, Hon.D.WRE, F.WEF, F.AAAS, Dist.F.IWA, Dist.M.ASCE, NAC



GORDON MASKEW FAIR AWARD

Morton A. Barlaz, Ph.D., P.E., BCEE,
F. AAAS, F AEESP, F. ASCE



STANLEY E. KAPPE AWARD

David A. Chin, Ph.D., P.E., BCEE



SCIENCE AWARD

Gregory V. Lowry, Ph.D., BCEEM



**EXCELLENCE IN ENVIRONMENTAL
ENGINEERING AND SCIENCE EDUCATION
AWARD**

Yuefeng Xie, Ph.D., P.E., BCEE



**PAUL F. BOULOS EXCELLENCE IN
COMPUTATIONAL HYDRAULICS/
HYDROLOGY AWARD**

Tom JW Postma



**PAUL F. BOULOS EXCELLENCE IN
COMPUTATIONAL HYDRAULICS/
HYDROLOGY AWARD**

Zhaocheng Wang



W. BREWSTER SNOW AWARD

Josh Fuchs



W. WESLEY ECKENFELDER GRADUATE RESEARCH AWARD

Anna Kogler



2023 EXCELLENCE IN ENVIRONMENTAL ENGINEERING AND SCIENCE COMPETITION WINNERS

Superior Achievement

Subsea Containment System that Captures the Longest Running Offshore Oil Spill in US History

Entrant: Couvillion Group

Engineer in Charge: Matthew Couch, P.E.

Location: Gulf of Mexico, Mississippi Canyon Block 20

Design

Grand Prize

Tomahawk Creek WWTF Expansion

Entrant: Black & Veatch

Engineer in Charge: John Keller, P.E.

Location: Leawood, Kansas

Grand Prize

A Headworks Divided - The Key to Unlocking Expanded Water Reuse in Orange County, CA

Entrant: Orange County Sanitation District in Partnership with the Orange County Water District

Engineer in Charge: Shahrzad F. Namini, MSc., PMP, P.E., VM

Location: Huntington Beach, California

Environmental Sustainability

Grand Prize

Reducing Our Carbon Footprint: The Sanitation Districts' Greenhouse Gas Reduction Initiatives

Entrant: Los Angeles County Sanitation Districts

Engineer in Charge: Robert C. Ferrante, P.E., BCEE

Location: Whittier, California

Honor Award

8.5 Square Mile Area (SMA) Limited Curtain Wall

Entrant: The R.J. Behar & Company, Inc., Team

Engineer in Charge: Juan H. Vazquez, P.E., PH, BCEE

Location: Miami-Dade County, Florida

Planning

Grand Prize

Los Angeles Groundwater Replenishment Project

Entrant: Los Angeles Department of Water and Power

Engineer in Charge: Jesus Gonzalez

Location: Los Angeles, California

Small Projects

Grand Prize

Plastic Waste Collection, Processing and Recycling with Employment Generation

Entrant: Bharathi Theertha and Rotary Club of Naperville, IL

Engineer in Charge: Prakasam Tata, Ph.D., BCES, WEF Fellow

Location: Naperville, Illinois

Honor Award

Disaster Equity Reconstruction After the Marshall Fire

Entrant: Resilient Analytics, A Stanley Consultants Company

Engineer in Charge: Dr. Paul Chinowsky

Location: Boulder County, Colorado

University Research

Grand Prize

Microwave-Catalytic Membrane Technology for Recalcitrant Water Pollutant Removal and Airborne Pathogen Disinfection

Entrant: Wen Zhang and Fangzhou Liu/New Jersey Institute of Technology

Engineer in Charge: Wen Zhang, Ph.D., P.E., BCEE

Location: Newark, New Jersey

2023 KAPPE LECTURE SERIES



Daniel H. Yeh, P.E., BCEE, LEED, AP served as the 2023 AAEEES Kappe Lecture. Dr. Yeh, Professor in the Department of Civil and Environmental Engineering at the University of

South Florida and the PI of the Membrane Biotechnology Lab, had a busy year!

Dr. Yeh started his lectures in March with the University of New Mexico. His lectures featured the topics: **Reinventing the Toilet for Global Sanitation: The NEWgenerator Resource Recovery Machine** and **From TRL1 to TRL 4: Development of the ICARUS Float-**

ing Membrane Photobioreactor for Direct Algae Cultivation in Wastewater. His other lectures included visits to Iowa State University, Arizona State University, Georgia Institute of Technology, University of South Florida, Washington University in St. Louis, University of Hawaii, and University of Colorado Boulder. As part of his visit to University of North Carolina, Dr. Yeh's visit was highlighted as a special event as part of the University of North Carolina Water and Health Conference. He will close out his lecture series with a visit to Howard University in January.

Go to <https://www.aaees.org/kappelecturer> to learn more about the Kappe Lecture Series.

INCREASING OUR SOCIAL MEDIA PRESENCE

Over the course of 2023, we have dramatically stepped up our social media game. We went from posting to LinkedIn occasionally to posting to several social media platforms on a daily basis. We now utilize the HootSuite platform for the majority of our posts which gives us additional insight such as best time to post, engagement rate and brand awareness.

We currently engage on LinkedIn, X (Twitter), Instagram and Facebook. We hope to become active on TikTok in 2024 so we can en-

gage with a larger pool of young member candidates. We also plan to begin a blog so that we can further engage with our members.

Did you know there are at least 472,000 environmental engineers and 178,000 environmental scientists on LinkedIn?

We still have a lot of work to do in order to engage with all of those potential members! Want to help? Make sure you are following us and re-share our posts to your network of connections.

2023 ENVIRONMENTAL ENGINEERING AND SCIENCE FOUNDATION SCHOLARSHIP RECIPIENTS ANNOUNCED

The Environmental Engineering and Science Foundation (EESF) has as its Mission “to secure and direct resources to advance environmental engineering and science in the areas of research, education and practice”.

In line with its mission, EESF has created annual scholarships for Environmental Engineering and Environmental Science students at the Master’s level.

In 2023, eight \$2,500 scholarships are being awarded to outstanding students seeking their Master’s Degree in Environmental Engineering and Master’s Degree in Environmental Science at accredited U.S. universities.

These individuals emerged from a highly competitive process that considered academic achievement, resume, essay, and letters of recommendation.

It is our privilege to introduce these outstanding recipients and provide excerpts from their resumes and essays.

Congratulations to:

- Madeline Deck
- Hannah Leibman
- Jesseri Enya Jensen
- Peyton Allisha Woodruff
- Claire Elizabeth Funk

- McKenzie Celine Pearson
- Natalia Taiz Salazar
- Maxwell Donald Pepperdine

These individuals emerged from a highly competitive process that considered academic achievement, resume, essay, and letters of recommendation.

The Environmental Engineering and Science Foundation’s primary purpose is to recognize and promote excellence in Environmental Engineering and Science. As a result, the public will become more aware of the important role Environmental Engineers and Scientists play in managing global, national and regional environmental challenges. To accomplish its goals, the Foundation dedicates its resources to education, research and awards focused on outstanding Environmental Engineering and Science achievement.

The Environmental Engineering and Science Foundation was established in 1998 to serve as a non-profit partner of the American Academy of Environmental Engineers and Scientists (AAEES) and shares many common purposes with that organization.

Read more about them at:
<https://www.eesfoundation.org/scholarship/>.

WORDS OF WISDOM



Mark J. Rood is a Board Certified Environmental Engineering Member-Emeritus of the American Academy of Environmental Engineers and Scientists (AAEES) and is the Ivan Racheff Professor Emeritus at University of Illinois at Urbana-Champaign. Mark is the incoming Chairperson of AAEES's Audit Committee and current Board member of AAEES. Mark has experienced very positive activities within AAEES to contribute to our community. Additional activities within AAEES include the 2009 Awards Committee, receiving the 2011 Honor Award for University Research, and the 2013 Grand Prize for University Research. Mark also provided the 2018 Stanley E. Kappe Lecture Series. Mark looks forward to making future contributions to AAEES and our field of environmental engineering and science.

AAEES Trustee-At-Large 2023

**Mark J. Rood, Ph.D., BCEEM
Ivan Racheff Emeritus Professor, CEE
University Illinois at Urbana-Champaign**



My commitment to the environmental engineering profession spans over 35 years in active roles for advancing knowledge through education and research efforts in environmental engineering field. I am committed to furthering the role of AAEES through membership growth, expanding efforts for training of the practitioners for responding the existing and emerging challenges in environmental engineering. With the growing tools of practice, expanding knowledge base and rapid advancements in technology new fields have emerged for environmental engineers and existing fields are transforming. In recent years, the need for qualified environmental engineers and practitioners has not only expanded but also became highly dynamic. I am excited about the opportunities in furthering AAEES's goals and objectives. I am honored to serve on the Board of Trustees of the AAEES.

AAEES Trustee-At-Large 2026

**Berrin Tansel, Ph.D., P.E., BCEE, BC.WRE, F.ASCE, F.EWRI
Professor, Civil and Environmental Engineering Department
Florida International University**



I am excited to begin my first year serving on the Board of Trustees of AAEES and to begin working in this role to further help my peers in the Environmental area by helping achieve the goals of Environmental Excellence in all areas through the Academy. Working with the membership committee for several years and focusing on what our professional community wants - the Academy has been the single point source to keep up with the emerging technology for different media – Air Pollution control strategies, Drinking and Wastewater, GHG Reduction, Energy Alternatives, Hazardous and Solid waste etc. I am very much looking forward to continue working and engaging the younger Environmental Professionals to be leaders in this field in their areas.

AAEES Trustee-At-Large 2026

**Maya Rao, P.E., BCEE
Trinity Consultants**

YEAR TO DATE FINANCIAL STATEMENTS

American Academy of Env. Engineers & Scientists

Profit and Loss
January - November, 2023

	TOTAL
Income	
40100 Membership & Certification Fees	351,905.50
40300 Member Publication	1,029.00
40500 Meetings	7,860.00
40600 Excellence in Enviro Engineerin	4,304.00
40700 Kappe Lectures	8,575.00
40800 Foundation Administrative Fees	3,500.00
40850 Patrons Program	70,000.00
40900 Other Income	78,555.21
41100 Product Sales	1,470.00
45000 Investment Earnings	10,674.66
Total Income	\$537,873.37
Cost of Goods Sold	
50100 Cert/Membership Expenses	1,201.72
50200 Environmental Engineer	3,008.07
50600 E3 Expenses	4,765.71
50700 Public Education	340.80
50900 Organization Memberships	16,380.00
51100 Meeting/Webinar Expense	2,389.13
Total Cost of Goods Sold	\$28,085.43
GROSS PROFIT	\$509,787.94
Expenses	
60100 Officer and Trustee Expenses	75.61
60200 Payroll Expenses	221,622.27
60300 Management and General	49,943.60
60400 Other Office Expense	27,932.54
60500 Audit/Legal	14,542.40
60600 Insurance	3,056.00
Total Expenses	\$317,172.42
NET OPERATING INCOME	\$192,615.52
NET INCOME	\$192,615.52



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