



**ABET**

# **FUTURE. FORWARD.**

**ANNUAL IMPACT REPORT 2022**

For Fiscal Year Ending September 30, 2022



# Table of Contents

<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>	
<b>GLOBAL REACH</b>	<b>2022 ABET AWARDS</b>	<b>FINANCIAL STATEMENTS</b>	<b>ACKNOWLEDGEMENTS</b>	
<p>08 Our Reach</p> <p>10 ABET Around the World</p> <p>11 Our Volunteer Experts</p> <p>16 Supporting Women and Girls in STEM</p> <p>19 Are You Using Data Science to Prevent Your Next Cyberattack?</p> <p>22 Accredited Programs</p> <p>24 Behind The Data</p> <p>25 Educating a New Workforce</p>	<p>28 ABET Awards Overview</p> <p>29 Special Recognition Award</p> <p>30 ABET Fellow Award</p> <p>32 Claire L. Felbinger Award for Diversity and Inclusion</p> <p>33 ABET Awards Celebration</p>	<p>38 CFO/COO Statement</p> <p>39 Statement of Financial Position</p> <p>40 Statement of Financial Activities</p> <p>41 ABET Functional Expenses Fiscal Year 2022</p>	<p>44 Board of Directors</p> <p>45 Board of Delegates</p> <p>47 Area Delegations</p> <p>49 Accreditation Council</p> <p>50 Academic Advisory Council</p> <p>51 Global Council</p> <p>52 Inclusion, Diversity and Equity Advisory Council</p> <p>53 Industry Advisory Council</p> <p>54 Applied and Natural Science Accreditation Commission</p>	<p>55 Computing Accreditation Commission</p> <p>57 Engineering Accreditation Commission</p> <p>61 Engineering Technology Accreditation Commission</p> <p>63 Team Chairs</p> <p>69 Program Evaluators</p> <p>84 ABET Professional Staff</p>

# Our Purpose







**Every year 200,000 problem solvers graduate from ABET accredited programs around the world.**

**Working together with our global partners, we ensure graduates of accredited STEM programs are well-prepared to enter the workforce. Our approach, the standards we set and the quality we guarantee, inspires confidence in those that aim to build a better world — one that is safer, more efficient, more inclusive and more sustainable — for everyone.**

**VISIT OUR WEBSITE** [↗](#)

# ABET Strategic Priorities 2019–2022

				
<p><b>GOAL 1</b></p>	<p><b>GOAL 2</b></p>	<p><b>GOAL 3</b></p>	<p><b>GOAL 4</b></p>	
<p>Enhance member society engagement across the scope of ABET activities to maximize the impact and value to both the societies and ABET.</p>	<p>Refine and disseminate a set of consistent, targeted, concise value propositions for ABET accreditation.</p>	<p>Expand ABET quality assurance services in current and emerging educational credentials.</p>	<p>Improve the efficiency and effectiveness of the accreditation cycle.</p>	



**William J. Wepfer, Ph.D.** 2021-2022 ABET President

A handwritten signature in black ink, appearing to read 'William Wepfer', written in a cursive style.

## President's Statement

Thank you to ABET's member societies, board members, program evaluators, team chairs, commissioners and staff for a successful year. Because of your efforts, ABET did a remarkable job emerging from the COVID-19 pandemic and transferring to in-person events and accreditation visits. We were able to recognize our 2022 ABET Award Winners in person for the first time in two years. You can read more about their exceptional achievements in this report.

Over the past year, we also implemented a process to update and refocus the ABET Strategic Plan. STEM programs are important for the broader world, and it's important that we do our job well to ensure college students are prepared to enter the workforce.

ABET is the best volunteer job I've ever had, and it's been a pleasure serving as President in 2022. I wish Ramesh the best as the next ABET President.

# CEO's Statement

After two years of hosting exclusively virtual events, 2022 brought back in-person gatherings and the reopening of ABET's headquarters and training center in Baltimore, Maryland. While some events and accreditation visits were still conducted virtually out of precaution, it was nice to gather with ABET's volunteer experts and staff to orchestrate and celebrate the vital work of accrediting college and university STEM programs.

Our core purpose as an organization is to provide confidence to those who depend upon us to ensure STEM graduates are equipped to enter the workforce. The devastating consequences of climate warming in addition to the legacy of the COVID-19 pandemic have taken us through a period of turmoil, the likes of which none of us have experienced before. With global conflict and manmade disasters dominating the news almost daily, our job becomes even more important. I'm inspired by the positive impact we've had on global STEM education this year, and its ripple effect throughout the world.

I'm proud to say that we continue to grow our base of accredited programs. During the 2021-22 cycle, we added 203 additional programs at 46 institutions, clearly an indication of the value we provide. Our global impact remains strong, as more than 1,061 of these are located outside of the U.S. — over 20% of all programs. It was also exciting to see the first two bachelor's degree data science programs receive accreditation from the Computing Accreditation Commission (CAC).

I know we will continue to grow with the hard work of ABET staff and volunteer experts.

Due to the ongoing challenges of COVID-19, and in lieu of our annual Symposium, we hosted a new virtual event: ABET Essentials. Over two days, we offered on-demand accreditation and assessment presentations accompanied by live Q&A sessions attended by over 1,000 participants. We also continued to develop and expand our offerings of Assessment Workshops to support the many diverse programs and institutions we serve to ensure a better understanding and assessment of adult learning.

Each month I publish an article on Medium and LinkedIn, which provides an opportunity reflect on the challenges and opportunities we face in the STEM education community and around the world. I have included three articles in this report that offer a closer look at some of these issues: supporting women and girls interested in STEM; the importance of keeping STEM education aligned with the needs of industry; and the role of cybersecurity in the changing workforce. Graduates of ABET-accredited programs inspire me, as they are the next great generation of innovators and problem solvers. I am confident they will enter the workforce prepared to help solve the many complex global challenges we face now, and in the future.

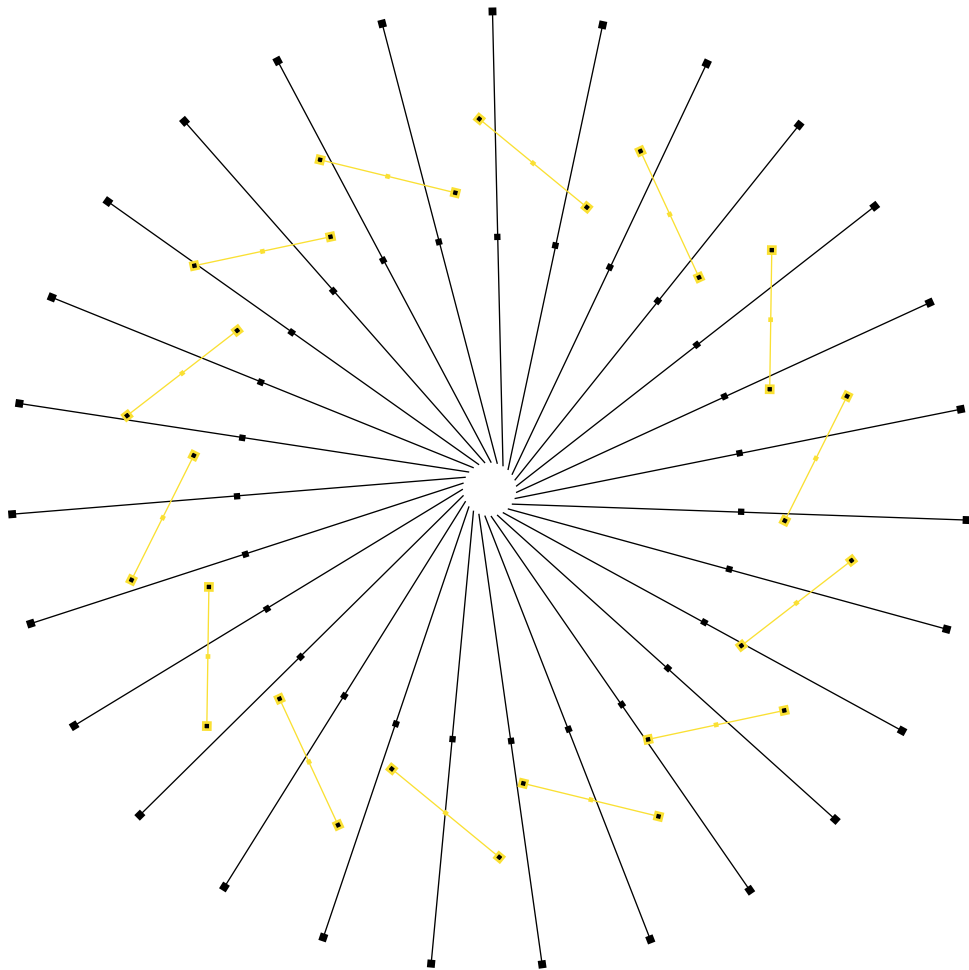


**Michael K. J. Milligan,  
Ph.D., P.E., CAE**

**ABET Chief Executive Officer**

A handwritten signature in black ink, which reads "Michael K. J. Milligan". The signature is written in a cursive, flowing style.

# Global Reach



**ABET's engagement globally provides us with the reach and the relationships to actively help promote and improve the quality of technical education throughout the world.**

**We aim to make a difference. By proactively advocating for progress rather than accepting the status quo, ABET focuses on the future, moves forward with confidence and empowers others to do the same.**

**LEARN MORE** [↗](#)

# Our Reach

PROGRAMS ACCREDITED  
WORLDWIDE

**4,564**

INSTITUTIONS WITH  
ACCREDITED PROGRAMS

**895**

COUNTRIES WITH  
ABET ACCREDITATION

**40**



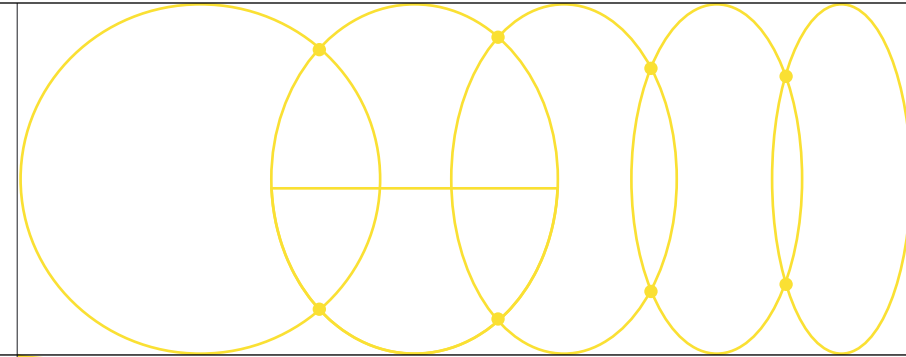


# Our Reach

UNITED STATES

**3,503**  
PROGRAMS

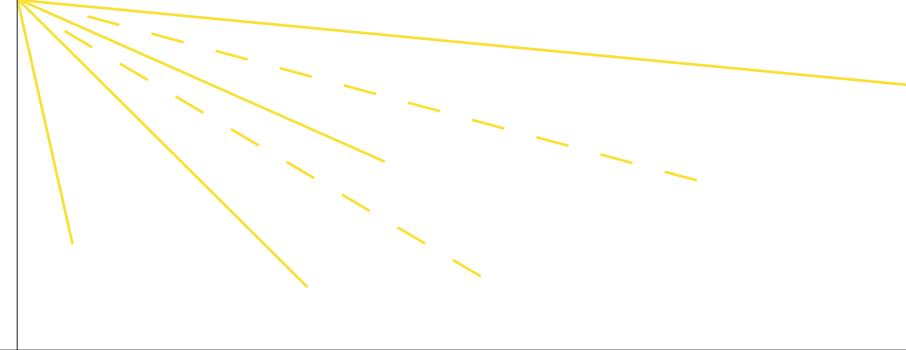
**686**  
INSTITUTIONS



OUTSIDE THE U.S.

**1,061**  
PROGRAMS

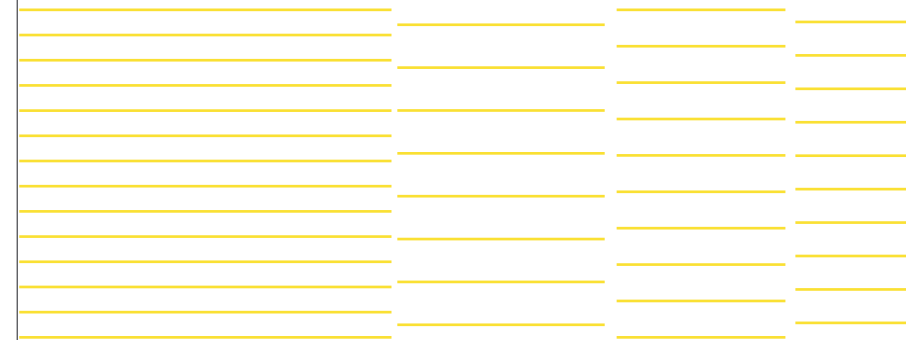
**209**  
INSTITUTIONS



INCREASE SINCE 2021

**203**  
PROGRAMS

**46**  
INSTITUTIONS

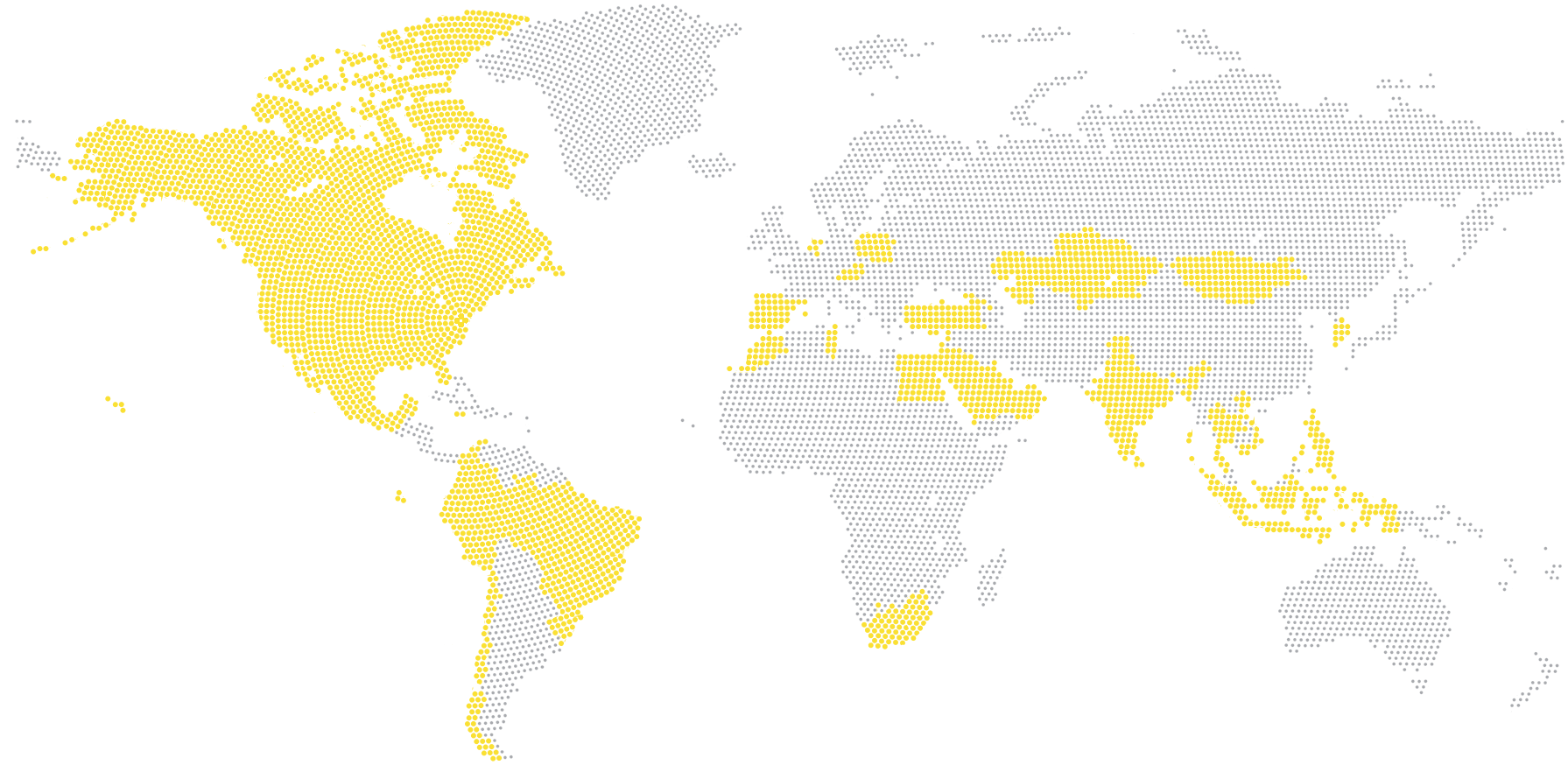


# ABET Around the World

All around the world ABET focuses on what's ahead, moves forward with confidence and empowers others to do the same. We do this in several ways:

- Collaboration with national accrediting systems via Memoranda of Understanding (MOU). These MOUs serve as a formal means to learn from one another and work together on the improvement of accreditation systems and quality of higher education. ABET has signed 19 MOUs and one LOI with accrediting agencies located in Argentina, Canada, the Caribbean Region, Central America, Chile, China, Egypt, France, Germany, Israel, Japan, Korea, Mexico, Peru, Portugal, Saudi Arabia, Spain, Chinese Taipei, Ukraine, United Arab Emirates and Uruguay.
- Supporting the mutual recognition of accrediting systems worldwide via Mutual Recognition Agreements (MRA). We are a signatory to five MRAs: the multi-lateral Dublin, Seoul, Sydney and Washington Accords and the bilateral agreement between Engineers Canada and ABET.
- Providing general assistance and training through workshops, seminars and conferences.
- Recognizing the substantial equivalency of academic programs.
- Accreditation by ABET of academic programs located outside of the U.S.

[LEARN MORE](#)



### ABET accredits over 4,500 programs on five continents:

AUSTRIA (1)	ECUADOR (17)	KAZAKHSTAN (3)	NETHERLANDS (2)	QATAR (11)	TUNISIA (3)
BAHRAIN (13)	EGYPT (33)	KOREA (SOUTH) (3)	OMAN (9)	SAUDI ARABIA (225)	TURKEY (66)
BRAZIL (2)	GEORGIA (2)	KUWAIT (41)	PALESTINE (12)	SINGAPORE (3)	UNITED ARAB EMIRATES (84)
BRUNEI DARUSSALAM (1)	INDIA (41)	LEBANON (52)	PERU (59)	SOUTH AFRICA (1)	UNITED STATES (3500)
CANADA (1)	INDONESIA (30)	MEXICO (92)	PHILIPPINES (58)	SPAIN (33)	VIETNAM (20)
CHILE (8)	JAMAICA (1)	MONGOLIA (3)	POLAND (4)	SRI LANKA (1)	
COLOMBIA (49)	JORDAN (63)	MOROCCO (3)	PORTUGAL (2)	THAILAND (9)	

# Everyday Our Volunteer Experts Help Move ABET Forward

ABET accreditation would not be possible without our ABET Experts — professionals from industry, academia and government dedicated to contributing to their professions through the continuous improvement of the quality of STEM education.

These dedicated volunteers evaluate program materials, conduct program reviews and participate in accreditation decisions. They are essential contributors who are instrumental in ensuring graduates of these programs are prepared to enter the global workforce.

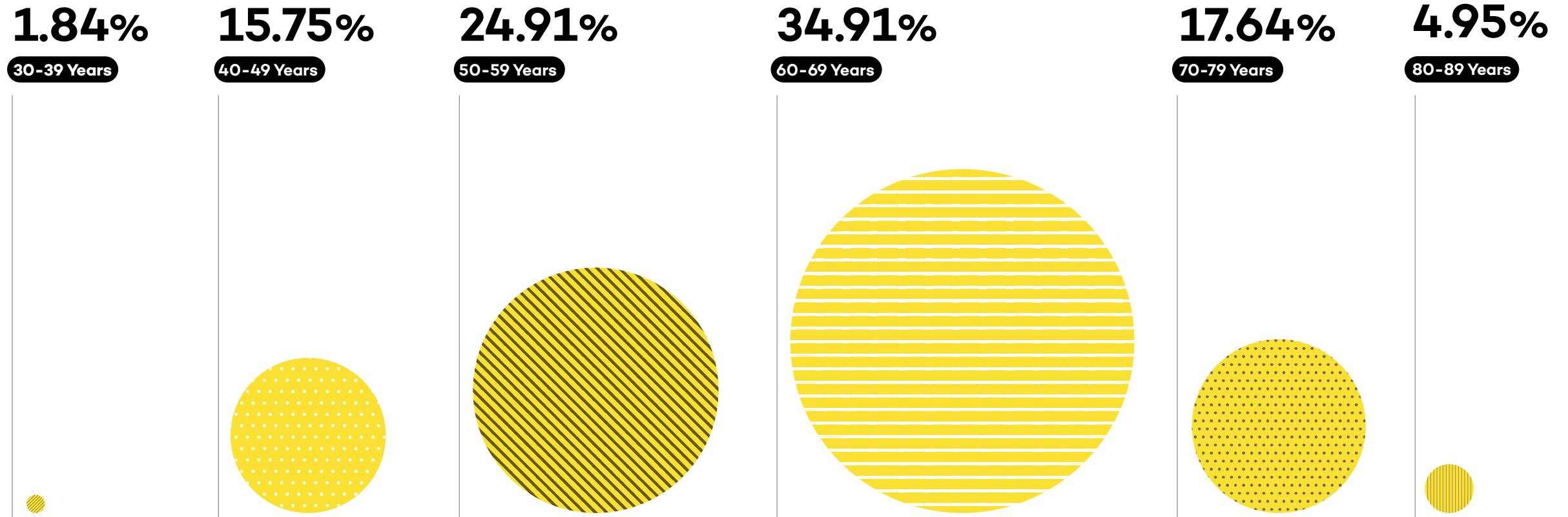
We are immensely thankful for their commitment and service.

[LEARN MORE](#)



# Volunteer Expert Characteristics

## AGE



# Volunteer Expert Characteristics

## GENDER

79.25%

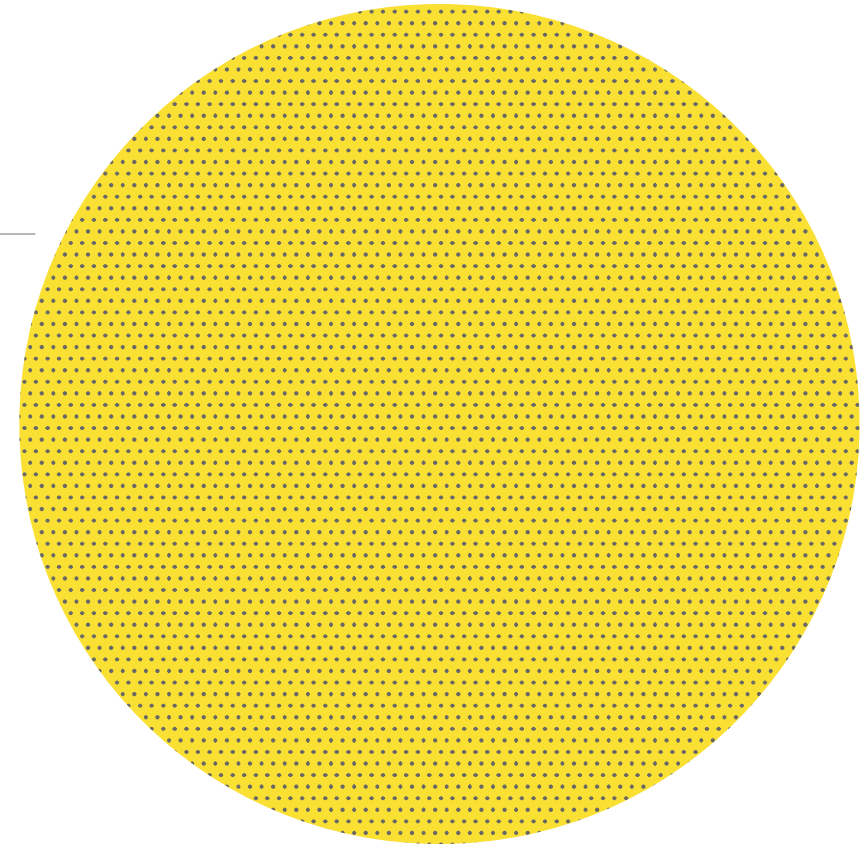
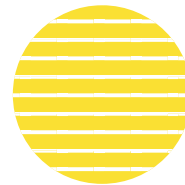
MALE

16.85%

FEMALE

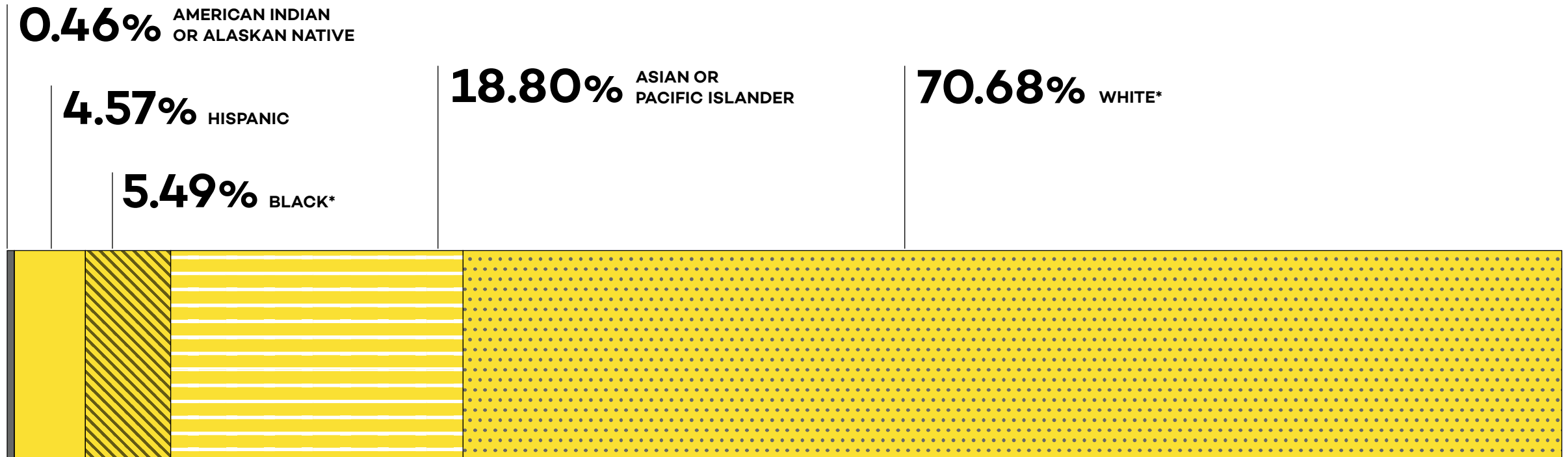
3.9%

NOT ANSWERED



# Volunteer Expert Characteristics

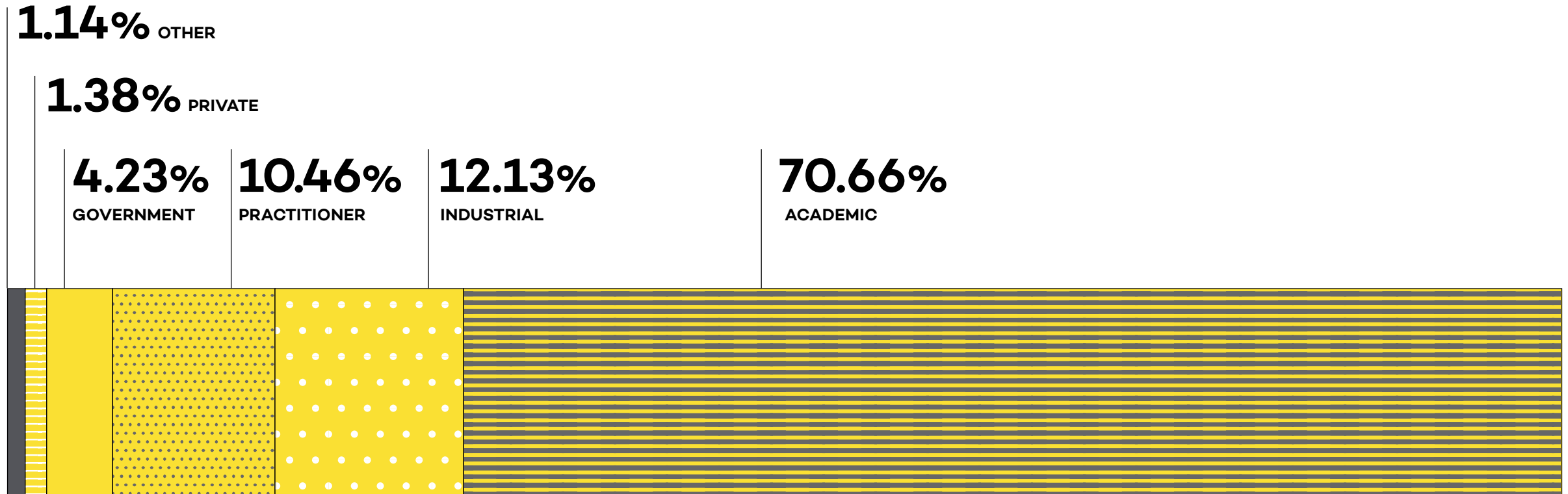
## RACE/ETHNICITY



\*Not of Hispanic Origin

# Volunteer Expert Characteristics

## JOB SECTOR



## ARTICLE

# Supporting Women and Girls in STEM

Michael K. J. Milligan  
ABET Chief Executive Officer  
Feb 24, 2022

[Link to Article](#)

**The Bureau of Labor Statistics predicts that computer occupations will increase by 11.5% between 2019 and 2029. To meet this growing demand and prepare future generations for the workforce, we must introduce STEM disciplines such as computer science at an earlier age to all students, beginning in elementary school.**

As with most academic concepts, exposing students to computer science at a young age may allow them to understand basic concepts and absorb the information better. Developing an earlier interest may also make it easier for girls and other minorities to develop a passion for STEM disciplines that will drive their choice of study in

college and, ultimately, their careers.

While women have made some strides in representation within the STEM disciplines, there is still more progress to be made. According to the [United States Census Bureau](#), women made up 27% of STEM workers in 2019, increasing from 8% in 1970. I hope to see that number continue to rise, but we need a plan to ensure that happens.

## Women and Girls in Science

Between the [UN International Day of Women and Girls in Science](#) this month and the recently launched "[She Can STEM](#)" PSA, (supported by ABET Member Society [SWE](#)), I've been thinking more about

how to increase the number of women in the STEM disciplines. Diversity is essential to solving the many complex global challenges we face. It's been proven that different viewpoints and experiences help develop more robust and effective solutions for everyone. It's essential that we attract more women and other minorities into engineering and science.

There's a common misconception among many in our society that boys are better than girls in STEM classes, which is one of several reasons young girls are often deterred from pursuing these disciplines in high school or college. There is plenty of evidence, however, that [girls are just as capable as boys](#) when it comes to math, science and sequential thinking.

Introducing girls to STEM classes before they get a chance to realize this misconception can help them develop an interest before it's too late. According to Dr. Jenna Carpenter's TEDx Talk, "[Engineering — Where are the girls and why aren't they here?](#)," girls begin to lose interest in math and science around middle school age, often as a result of hearing those stereotypes.



**We have to nurture their talents instead of hindering them with false stereotypes at a young age.**

It's not just these stereotypes that scare girls away from STEM subjects, but also the negative perception of women as engineers and scientists in our society. Carpenter pointed out that teenage girls are often self-conscious of how they appear to their friends, and unfavorable peer pressure can turn them away from engineering and science at

an early age. If girls enjoying science and engineering becomes the norm, I think we will see more women continuing into STEM disciplines in college and beyond.

"Things which by themselves may not seem like such a big deal, but collectively, together, over a career, over a lifetime, they can add up to a lot," →



ARTICLE

Supporting Women and Girls in STEM

Carpenter said, “And they can make it really difficult for a girl or a woman in engineering or science to stick with it, to contribute, to live up to her potential, to dream.”

Overcoming Obstacles

There are many obstacles women must overcome to succeed in or even enter STEM fields. Changing the way in which we speak to girls and women about engineering and science could make a big difference in their future careers. We have to nurture their talents instead of hindering them with false stereotypes at a young age.

Young girls need to see women in STEM roles to realize these career paths are options for themselves. Role models have a powerful effect on young people and having women in successful engineering or science careers is a sure way to demonstrate that STEM careers are a real possibility for everyone. So, let’s do everything we can do to remove obstacles and open pathways for our next generation of women engineers and scientists.

We’ve come a long way since 1970, but I’m confident we can do more. ○

# Volunteer Spotlight



## April Cheung

Assistant Professor of Practice,  
Electrical Engineering Technology,  
Purdue University

**Q: What do you feel is most important about the work you do for ABET?**

A: Our work helps STEM programs improve not only here in the United States but also in other parts of the world. Our work impacts the creation of future innovators and engineers.

**Q: What makes volunteering for ABET enjoyable and/or rewarding?**

A: The opportunity to work with colleagues with the same goal of helping other programs and making a difference together. I have enjoyed all of the visits I have been to, visiting programs and institutions and the

exchange of best practices on accreditation. The most rewarding and enjoyable aspect is the work with volunteers and seeing their dedication to education.

**Q: What are your hopes for the future of STEM education?**

A: There is a continued increase in demand for graduates from the STEM field, and this growth will only continue. STEM education will need to evolve and improve more rapidly to meet the demand. The pace of new program criteria should be fast to meet the need of the industry. Education tools and methodologies will advance

to meet the demand for shortened time to graduate and an increased amount of knowledge students should have before graduation. Such demand can be met by innovation in curriculum and education systems.

**Q: What will the future of work look like for graduates of ABET programs?**

A: Graduates of ABET programs will be bright and continue to be in high demand. Technology evolves to not reside in just one discipline, and our graduates' work in the future will require them to understand principles from many other disciplines.

# Volunteer Spotlight



## Becki Popeck, PLS

Senior Group Manager  
SPACECO, Inc.

**Q: What do you feel is most important about the work you do for ABET?**

A: My strongest motivation for volunteering with ABET is making sure there are qualified professionals to follow in our footsteps in the future.

**Q: What makes volunteering for ABET enjoyable and/or rewarding?**

A: There are so many answers to this question. My initial drive was the rejuvenation I felt when interacting with the dedicated faculty and promising students in programs within my discipline. It reminds me of how I was as a student and first starting in my profession, filling me with pride and purpose. I get to observe

how people practice and teach this discipline nationwide. I have collected a wealth of information from each visit that I will continue to share with future programs.

Currently, what drives me is the fantastic people I work with and continue to meet. ABET's volunteers and staff come from many different backgrounds; they have opened my eyes to many cultures, places and experiences I know I would not have experienced without ABET. Many of the people I have met are now friends and mentors.

I also have become more confident in my writing and public speaking. As I move

through various positions within ABET, the responsibilities change. Early on in my journey, I was unsure how this mostly academic activity would help me professionally. Nevertheless, I have and continue to grow personally and professionally.

**Q: What are your hopes for the future of STEM education?**

A: I hope that STEM education will bring diversity, inclusion and equity to the world, by representing the diversity of those interested in and practicing in the various STEM fields. To bring equity of knowledge and technology to those areas that are currently under-educated for many reasons.

**Q: What will the future of work look like for graduates of ABET programs?**

A: As the world continues to create, rely on and utilize more complex technologies, I think ABET program graduates will be in high demand. ABET programs stand above by attaining and maintaining accreditation for their programs, and it shows their commitment to developing a quality, continuously improving, sustainable program. They establish their programs through interactions with various constituents to ensure the program puts out into the workforce, higher education and beyond the type of students needed.

ARTICLE

# Are You Using Data Science to Prevent Your Next Cyberattack?

Michael K. J. Milligan  
 ABET Chief Executive Officer  
 Sep 30, 2022

[Link to Article](#)

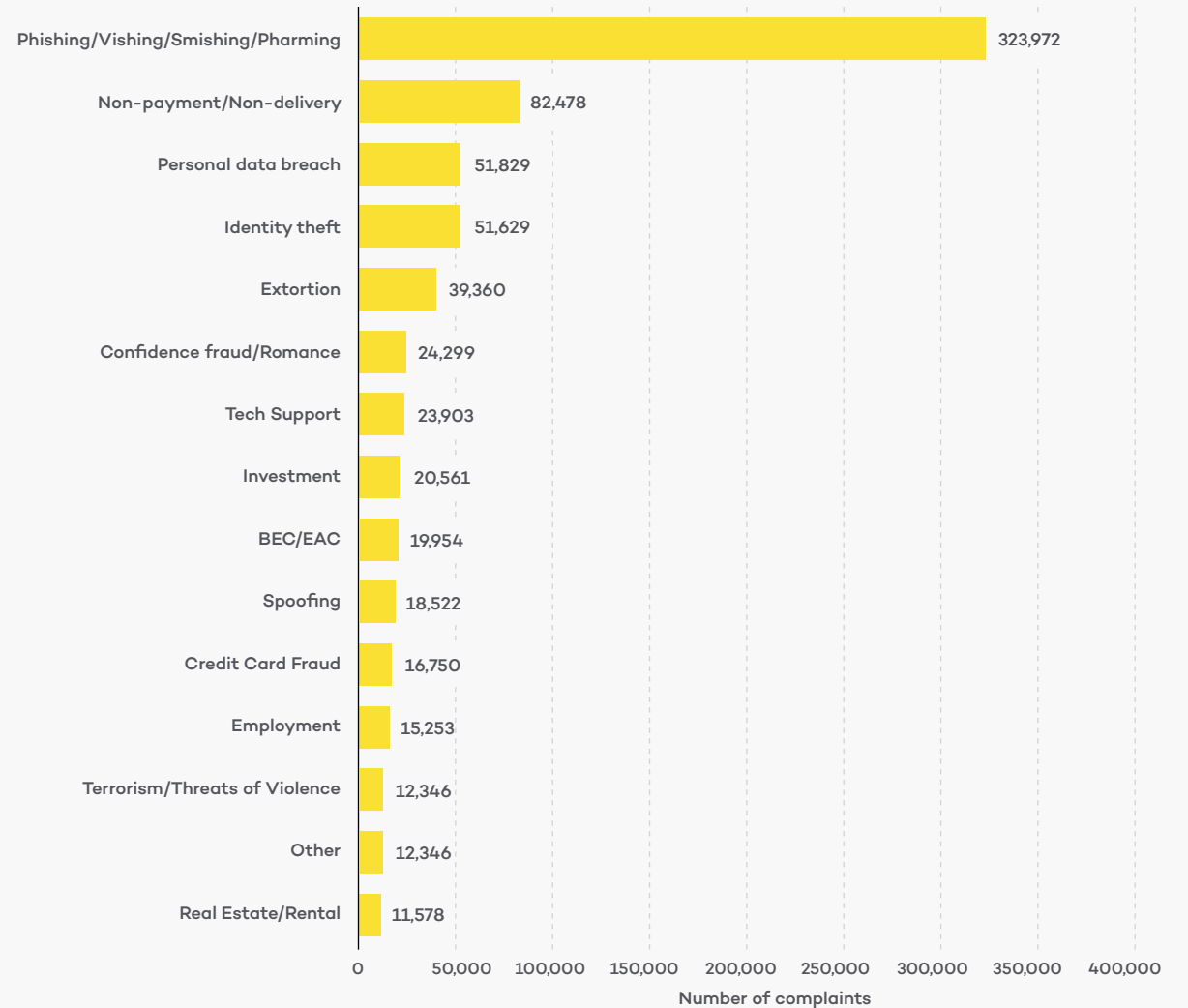
Technology allows us to connect with our friends, family and coworkers over a distance but as it becomes more prevalent in our lives, it also opens us up to cyberattacks. Uber is the latest large company to fall victim to a cybersecurity attack. One employee provided personal information to someone thought to be a coworker, and the hacker gained access to the company's internal database.

According to Statista, phishing/vishing/smishing/pharming was by far the top cybercrime category reported in 2021. While this recent breach at

Uber appears to be motivated by a hacker's desire for publicity, the ride-sharing service also suffered a massive cybersecurity breach in 2016. During that event, the hackers stole personal information from 57 million Uber customers and drivers who trusted the company with their information. If large businesses can fall victim to a cyberattack, imagine how easy it would be to target an individual or a small business that may not have the resources to recover.

Implementing cybersecurity systems is a critical focus area for the federal government to protect not only national security but also the e-commerce sector of the economy. In order to stay one →

Cyber crime categories that were reported most often in 2021, by number of victims



Sources:  
 IC3; FBI  
 @Statista 2022

Additional Information:  
 Worldwide; IC3; 2021; crimes reported to IC3; wider industry metrics may vary

## ARTICLE

**Are You Using Data Science to Prevent Your Next Cyberattack?**

step ahead of cybercriminals, we also need [data science professionals](#) to research and interpret data to provide insights into potential security risks. Cybersecurity professionals then use those insights to create security systems.

**Developing the Workforce Post-Pandemic**

The frequency of cyberattacks increased during the COVID-19 pandemic. According to the [Cybersecurity and Infrastructure Security Agency \(CISA\)](#), cybercriminals often take advantage of challenging times, such as pandemics, to strike. For example, they might send phishing emails about unemployment or medical information to try to trick users into providing personal information.

Even though the worst of the pandemic appears to be fading in most parts of the world, its impact on our technology and

internet use is here to stay. Many organizations are still opting for virtual gatherings or work-from-home models, whether hybrid or full time.

[Working from home enables more cybersecurity risks](#) than working from the office because of several factors, such as less secure wi-fi networks and unsecured video meetings. Data science and cybersecurity professionals can work together to ensure security systems stay up to date to combat cybercrimes.

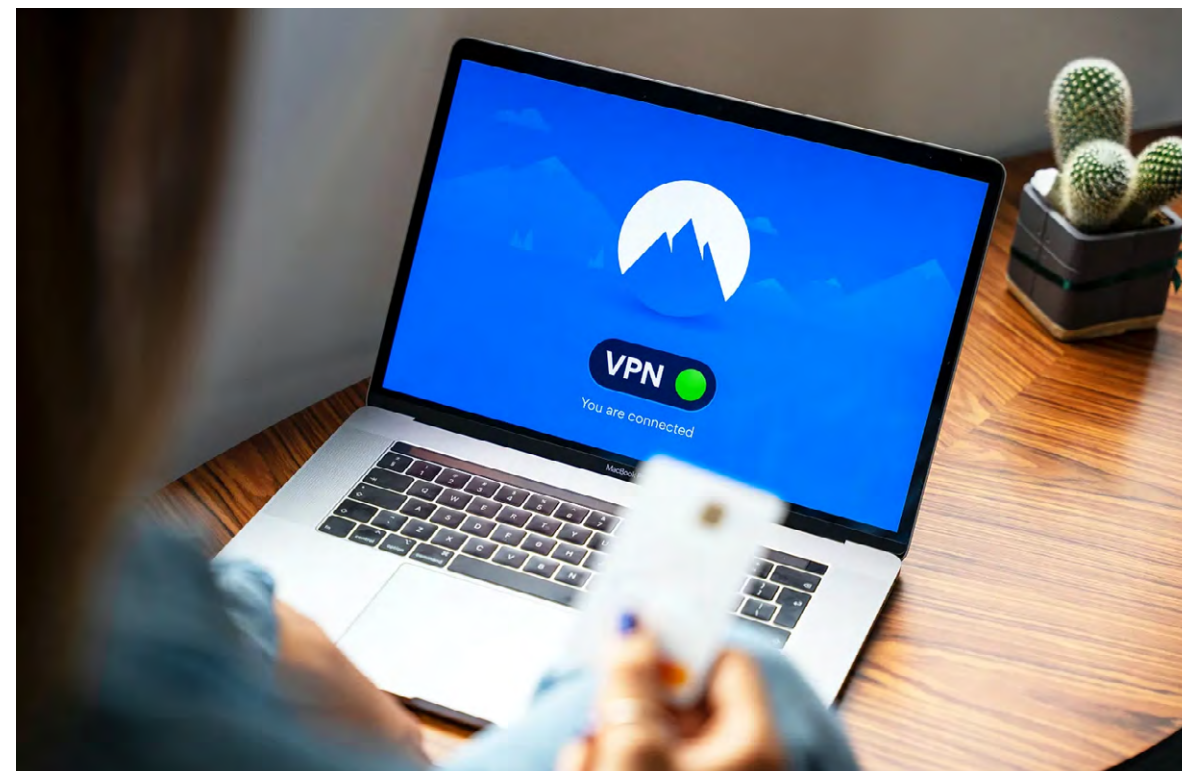
**Cybersecurity and Data Science Education**

According to [Cyberseek](#), a project that provides detailed information about the cybersecurity job market, there are over 700,000 cybersecurity job openings, but only enough professionals to fill 68% of those positions. Data science has a similar outlook with an [expected 36% increase](#)

in employment by the year 2031, but not enough qualified data science professionals to meet the demand. To fill these positions, and keep up with increasing demand, we need to create more opportunities for professionals to become qualified in the cybersecurity and data science fields.

ABET currently accredits cybersecurity programs at the bachelor's and associate levels in addition to data science programs at the bachelor's level. The addition of cybersecurity associate degrees makes accredited program opportunities accessible to more students since they can be completed in as little as two years, allowing more students to become qualified faster for many jobs (but generally for a different set of career opportunities). Associate programs also often [follow a state framework](#) which is commonly tied directly to the needs of the local workforce. →

## Data science and cybersecurity professionals can work together to ensure security systems stay up to date to combat cybercrimes.



ARTICLE

Are You Using Data Science to Prevent Your Next Cyberattack?

Raising Awareness & Providing Resources

The [CISA](#) and the [National Cybersecurity Alliance \(NCA\)](#) often work together to raise awareness of potential cyberthreats by providing essential resources for implementing cybersecurity at home and in the office.

Together, CISA and NCA sponsor [Cybersecurity Awareness Month](#) each October to help individuals and businesses protect themselves while online. This year's theme is "See Yourself in Cyber," which encourages individuals and organizations to take basic steps to protect themselves and others from cyberattacks.

**We need to ensure there are enough qualified workers to keep ourselves, our economy and our nation safe.**

They also encourage professionals to discover the cybersecurity field in hopes of filling the gaps with skilled workers.

Societies like [INFORMS](#) provide [resources for organizations](#) to better understand the importance of data analytics for their company. ABET is exhibiting at the [2022 INFORMS Annual Meeting in Indianapolis](#) this October to support and contribute to learning opportunities for data science professionals, students and industry experts.

Cybersecurity and data science work together to combat data breaches like the recent Uber attack. We need to ensure there are enough qualified workers to keep ourselves, our economy and our nation safe. We need to raise awareness of the importance of cybersecurity and data science education in developing professionals in those fields, as our dependence on technology and the internet continues to grow and evolve. ○

# Volunteer Spotlight



## Oscar Barton

Dean, Mitchell School of Engineering, Morgan State University

**Q: What do you feel is most important about the work you do for ABET?**

A: I think the most important component of my work with ABET is being an ambassador to my professional and academic communities for ABET, and in this role, promoting the importance of accreditation. And not solely for the recognition of having an accredited program but rather for impact on STEM education in achieving this recognition. Recognizing that we are a global community, embracing diversity, equity, inclusion and accessibility, building a culture knowing how and why, and sharing best practices are just a few.

**Q: What makes volunteering for ABET enjoyable and/or rewarding?**

A: What makes volunteering a joy is relationship building. I have developed life-long friendships and professional partnerships, both of which I rely upon in my role as Dean at the Mitchell School of Engineering, Morgan State University, to mentor faculty and to guide students.

**Q: What are your hopes for the future of STEM education?**

A: I truly believe that disciplinary silos will no longer exist giving way to more multidisciplinary programs. And these programs will include non-stem majors as well.

**Q: What will the future of work look like for graduates of ABET programs?**

A: The future of work will encompass digital engineering consisting of technologies currently defined by Industry 4.0 – cloud computing, artificial intelligence, machine learning, robotics, digital twins, cybersecurity, quantum computing, virtual and augmented realities to name a few.

# Accredited Programs By Commission

**2017-2022**

5,000

4,000

3,000

2,000

1,000

0

2017

2018

2019

2020

2021

2022

2,671

2,773

2,886

2,999

3,041

3,177

613

618

604

602

604

616

487

519

547

583

586

619

101

104





117

145

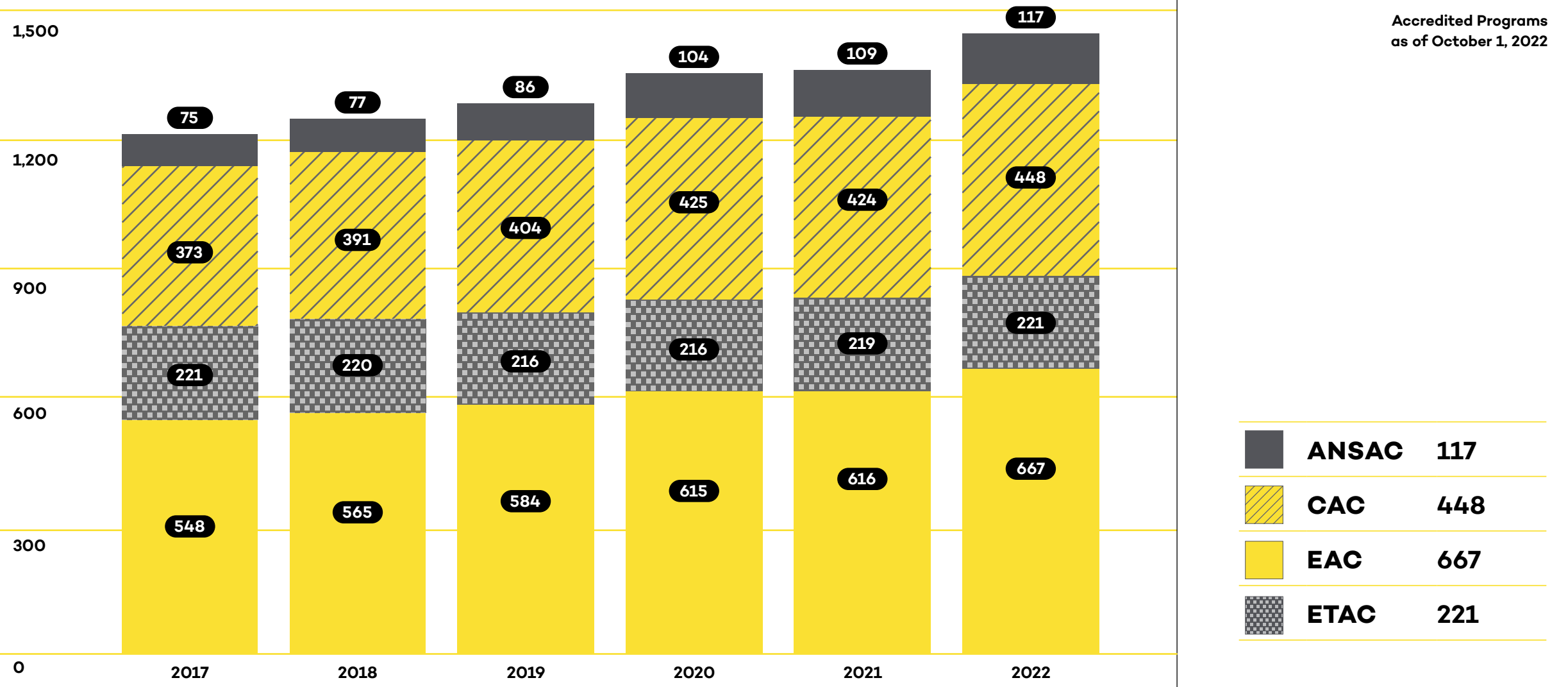
151

174

Accredited Programs  
as of October 1, 2022

	<b>ANSAC</b>	<b>174</b>
	<b>CAC</b>	<b>619</b>
	<b>EAC</b>	<b>3,177</b>
	<b>ETAC</b>	<b>616</b>

# Institutions With Accredited Programs By Commission 2017-2022



# Behind the Data

Accreditation is a review process to determine if educational programs meet defined standards of quality. Once achieved, accreditation is not permanent — it is renewed periodically to ensure that the quality of the educational program is maintained.

We provide specialized accreditation for post-secondary programs within degree-granting institutions already recognized by national or regional institutional accreditation agencies or national education authorities worldwide.

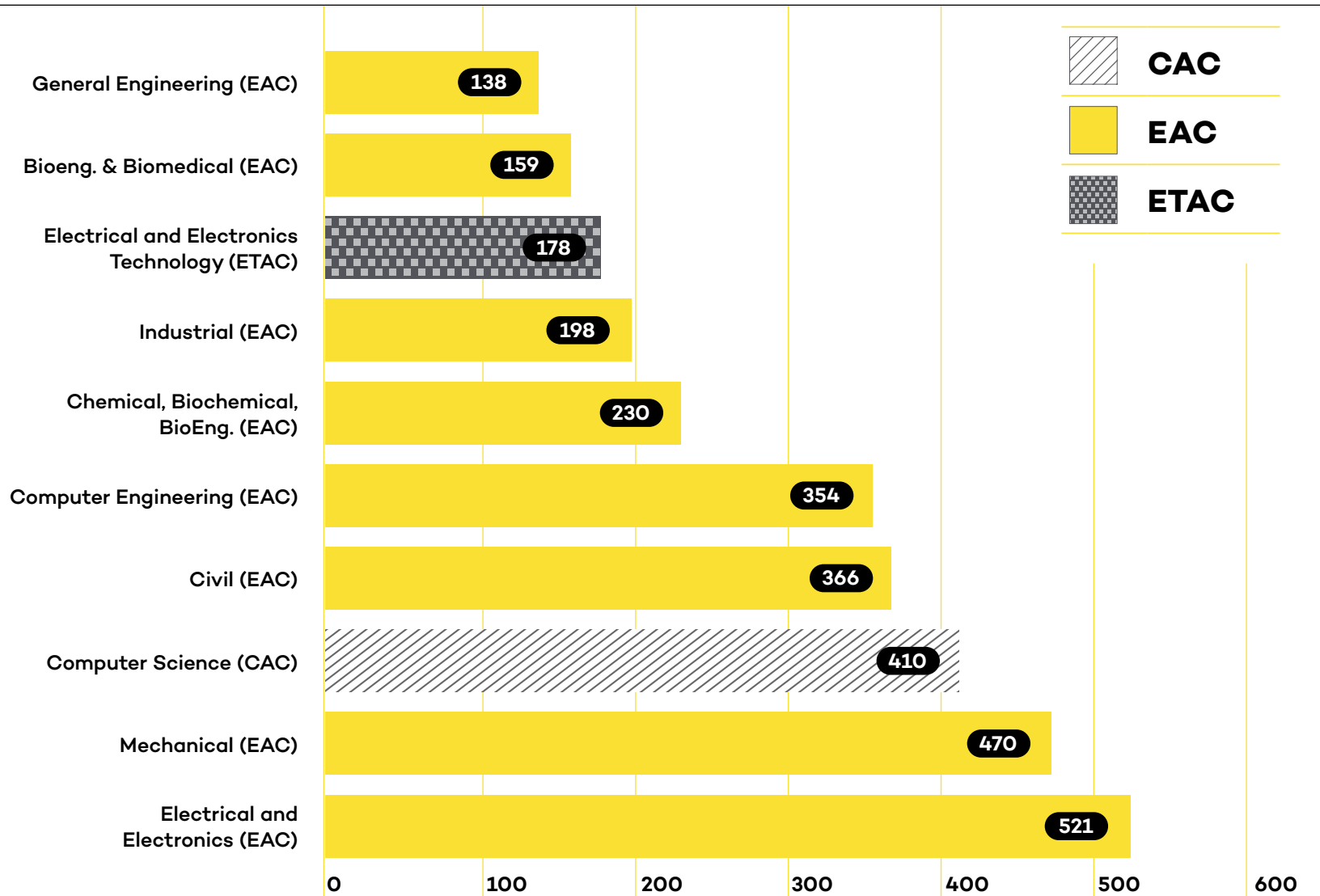
Our member professional and technical societies and their individual members collaborate through ABET to develop standards of quality, known as ABET Criteria, on which our review teams base their evaluations of programs under consideration for accreditation.

The ABET accreditation process is carried out by our four accreditation commissions. Each commission sets accreditation standards for specific program areas and degree levels.

- Applied and Natural Science Accreditation Commission (ANSAC)
- Computing Accreditation Commission (CAC)
- Engineering Accreditation Commission (EAC)
- Engineering Technology Accreditation Commission (ETAC)

[LEARN MORE](#)

## 10 LARGEST CURRICULAR AREAS ACCREDITED BY COMMISSION





ARTICLE

# Educating a New Workforce

Michael K. J. Milligan  
 ABET Chief Executive Officer  
 June 28, 2022

[Link to Article](#)

**As new generations of STEM graduates enter the workforce each year, the priorities of industry and young professionals continually change. Academia and industry must work together on a continuing basis to ensure future tech workers have the knowledge, skills and experiences necessary for success. With a shortage in the STEM workforce growing each year, it's important — now more than ever — for academia and industry to build and maintain strong, collaborative relationships.**

In the Washington, D.C. area alone, we have a critical need to fill 60,000 technology jobs before 2025, a number that will only grow as more high-tech firms move into the Mid-Atlantic region. As Engineering Change Lab USA President Mike McMeekin wrote in last month's guest column,

we need to make some serious changes in recruiting workers in order to keep up with demand nationwide. Getting more children interested in STEM before they enter high school is the first step, and our best hope to addressing this long-term challenge.

McMeekin also points out that the priorities of the STEM workforce have changed in two significant ways: the increasing importance of individual purpose and STEM's impact on the environment and society. Today's graduates want jobs where they can help make the world a better place.

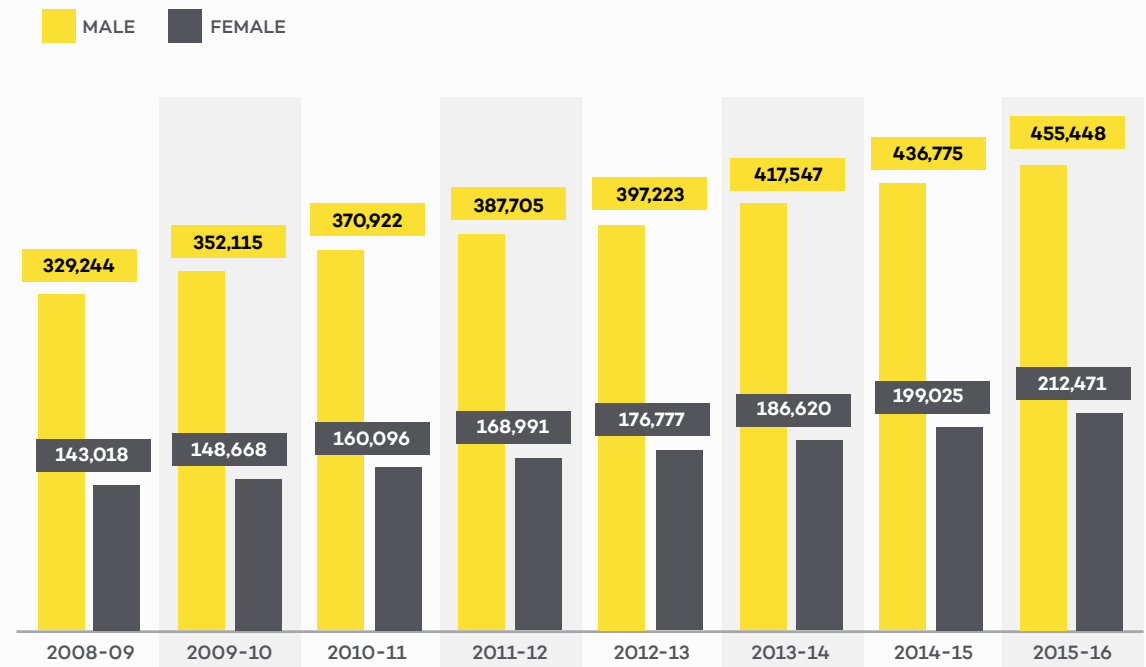
In addition, the STEM fields, in general, continue to lack diversity in race, ethnicity, gender and socioeconomic status. However, this challenge also provides an opportunity to solve the workforce shortage. McMeekin wrote that today's young professionals expect there to be diversity in

the workplace. We can focus our efforts in attracting the next generation of workers — one that is more diverse.

Black and Hispanic STEM workers are severely underrepresented, more so than in all other fields. It's the same with women and those living in poverty. Encouraging girls' interest in STEM programs at an earlier age could help them keep their interest into adulthood. According to a study by researchers at the University of Houston and the University of Washington, children believe boys are more interested than girls in engineering by age six or first grade. By third grade, the children studied believed that boys are more interested in computer science than girls are. The study also found that these beliefs did have a negative impact on girls' continued interest in STEM. Based on this study, the best time to engage girls with STEM programs is preschool or earlier at home. Unfortunately, this is not always possible because of a lack of funding for →

## Steady Rise for Women in STEM but Gender Gap Remains

Number of STEM degrees and certificates awarded in the U.S. by gender\*



CC BY ND  
 @StatistaCharts

\*Between academic years 2008-09 to 2015-16  
 Source: NCES

statista

According to Statista, a gender gap still remains among STEM graduates.

ARTICLE

Educating a New Workforce

preschools or the lack of resources for some families.

We need to end this cycle now. According to a [study](#) by the Education Development Center and SRI Education, parents are critical to developing a child’s interest in STEM topics. The EDC/SRI study found that kindergarten students living in poverty display less knowledge about basic STEM topics than do students from more affluent families. The study also found that educational media was essential to children and that “parents want ideas and resources to build their knowledge and confidence for helping their children learn science.” Television shows and movies that teach science could teach parents and children together. Parents showing an interest in STEM through these programs could encourage the children to keep their interest through adulthood.

A Change in Curriculum

As McMeekin pointed out in last month’s article, as the values of the new engineering professionals change, we need to adapt to

**Academia and industry must collaborate on a continuing basis to successfully prepare students to enter an evolving workforce.**

their needs too. With options to explore a class (or even a minor) in other subject areas, students will be more well-rounded and better prepared to understand their world, and how they can make a difference. Certainly, a more well-rounded graduate will also be better able to communicate their ideas and potential solutions related to environmental protection, social justice and workplace diversity.

Increasing enrollments in community colleges is another great way to increase the STEM workforce. Community colleges are often more accessible than four-year institutions. According to the [American Association of Community Colleges](#), the average tuition and fees for a community college is less than one third than that of a public four-year institution. They are also more convenient, as [90% of the U.S. population lives within 25 miles of a campus](#).

In many cases, students can attend community college before graduating high school or while working full time, widening the net of potential STEM students. Successful transfer to a four-year institution dramatically increases the number, and quality, of graduates with bachelor’s degrees.

Regardless of the approach, academia and industry must collaborate on a continuing basis to successfully prepare students to enter an evolving workforce. Feedback from industry professionals is essential in creating an educational experience that prepares them for success.

If you want to be part of this exciting challenge of shaping the future of STEM education, please [visit our website](#) and learn how you can make a difference! ○

# Volunteer Spotlight



## Niaz Latif

**Dean, College of Technology  
Executive Director, Commercialization  
and Manufacturing Excellence Center  
Purdue University Northwest**

**Q: What do you feel is most important about the work you do for ABET?**

A: Quality assurance through consistent program evaluation of academic programs.

**Q: What makes volunteering for ABET enjoyable and/or rewarding?**

A: Volunteering for ABET gives me the satisfaction that, in a small way, I am making a difference in STEM education for its quality and its relevance to industry, business and government.

**Q: What are your hopes for the future of STEM education?**

A: My hope is that STEM education will continue to pursue instructional development and innovative delivery that will accommodate Gen Z learners.

**Q: What will the future of work look like for graduates of ABET programs?**

A: Graduates of ABET programs will have greater opportunities, however, continuous upskilling will be required of them to adapt to new and emerging technologies in their respective fields.

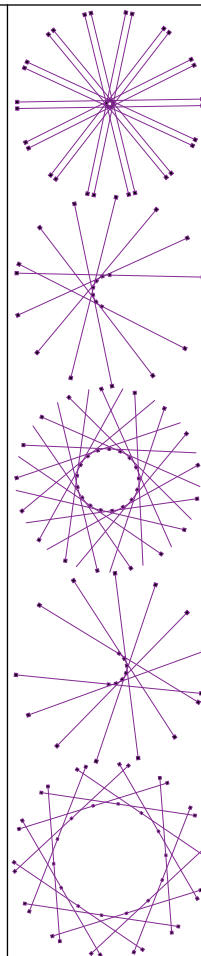


**“STEM programs are important for the broader world, and it’s important that we do our job well to ensure college students are prepared to enter the workforce.”**

**William J. Wepfer, Ph.D.**  
2021-2022 ABET PRESIDENT

# The ABET Awards

As an organization committed to inspiring excellence in technical education, we admire and applaud remarkable achievements. When we identify truly exceptional efforts by individuals, institutions or organizations, we honor them with one of four major awards. On October 28, 2022, six individuals were honored at the 2022 ABET Awards Celebration in Baltimore, Maryland.



ABET Bridge served as the sponsor of the Claire L. Felbinger Award for Diversity and Inclusion. The recipient of this award received \$10,000 in recognition of her important work.

To learn more about our distinguished honorees and to see videos from the 2022 ABET Awards Celebration, visit [www.abet.org/awards](http://www.abet.org/awards).

LEARN MORE





## Jeffrey L. Ray, Ph.D.

Dean of the College of Engineering and  
Technology at Western Carolina University

# Special Recognition Award

For sustained contributions in fostering ABET's core values, improving accreditation processes and enhancing educational experiences for students while maintaining a sense of balance and inclusion in all interactions, we honor Jeffrey L. Ray's legacy with this Special Recognition Award.

## JEFFREY L. RAY

Jeffrey L. Ray, Ph.D., was the Dean of the College of Engineering and Technology at Western Carolina University. A long-time member of the ABET community, he was an original member of ABET's Academic Advisory Council (AAC) and most recently served as the AAC Chair. Throughout his time with ABET, Ray championed diversity and inclusion, and was passionate about harmonizing and simplifying processes employed by the four ABET accreditation commissions when conducting

program reviews. Ray grew up outside of Nashville, Tennessee, where he earned a Journeyman Industrial Electrician license while working at R.R. Donnelley & Sons. He then earned bachelor's and master's degrees in Mechanical Engineering at Tennessee Technological University and completed his Ph.D. in Mechanical Engineering at Vanderbilt University. We were deeply saddened to learn of the passing of Jeffrey L. Ray, Ph.D., on July 26, 2021.

# ABET Fellow Award

The distinction of ABET Fellow is an honor that recognizes individuals that surpass normal expectation by dedicating notable time and effort to achieving our endeavors.

## 2022 WINNERS

- Scott Danielson
- Alice Greife
- Kathleen A. Kramer
- Rajendra K. Raj



**SCOTT DANIELSON**

Faculty member at the Polytechnic School of the Ira A. Fulton Schools of Engineering at Arizona State University

“For outstanding sustained leadership and service to ABET, its experts and accredited programs to advance the quality of engineering education both domestically and globally, especially in South East Asia.”

Scott Danielson, Ph.D., F.ASME, is a faculty member in the engineering programs within the Polytechnic School of the Ira A. Fulton Schools of Engineering at Arizona State University (ASU). Before returning to the faculty, Danielson was an Associate Dean for four years and a department chair for over 13 years.

At ABET, he has served in all officer positions within the Engineering Technology

Accreditation Commission (ETAC) and is currently the past chair of ETAC. Since 2003, Danielson has conducted 12 evaluations as a program evaluator (PEV) and 17 as a team chair through several societies, primarily for ETAC but also with the Engineering Accreditation Commission.

Within ABET governance, he served on the Board of Directors for two short periods, the latest serving as the Engineering Technology Area Delegation Director. He has extensive experience in SE Asia, particularly Vietnam, doing USAID-supported engineering educational capacity building.



**ALICE GREIFE**

Dean Emerita of the College of Health, Science and Technology at University of Central Missouri

“For significant contributions to ANSAC’s transformation to applied and natural science accreditation, chairing the first natural science program visit and working to develop ANSAC’s Data Science program criteria.”

Alice Greife, Ph.D. is a board-certified industrial hygienist and occupational toxicologist with a B.S. in Biology and Chemistry, an M.S. in Industrial Hygiene and a Ph.D. in Occupational Toxicology. She is Dean Emerita of the College of Health, Science and Technology at University of Central Missouri, where she taught graduate courses in toxicology and epidemiology.

An ABET expert since 2004, Greife served as a program observer and program evaluator (PEV) for the Applied and Natural Science Commission (ANSAC) before becoming a commissioner in 2012. Greife served on the executive committee and as a commission chair and led the ANSAC Criteria Committee through major revisions.

Outside of ABET, Greife is a Fellow and Society Liaison of the American Industrial Hygiene Association. She has been director of the Division of Standards Development and Technology Transfer as well as the Education and Information Division, Cincinnati Field Laboratories, NIOSH.

# ABET Fellow Award

The distinction of ABET Fellow is an honor that recognizes individuals that surpass normal expectation by dedicating notable time and effort to achieving our endeavors.

## 2022 WINNERS

- Scott Danielson
- Alice Greife
- Kathleen A. Kramer
- Rajendra K. Raj



**KATHLEEN A. KRAMER**

Professor of Electrical Engineering at the University of San Diego

“For significant leadership in revision of engineering accreditation criteria, including the integration of diversity, equity and inclusion, development of criteria for mechatronics and robotics, and revisions to MS/Graduate Level Criteria.”

Kathleen A. Kramer Ph.D. is a Professor of Electrical Engineering at the University of San Diego. She received a B.S. degree in electrical engineering magna cum laude with a second major in physics from Loyola Marymount University, and her M.S. and Ph.D. degrees in electrical engineering from the California Institute of Technology. She is past chair of electrical engineering, and served as Director of Engi-

neering (2004-2013), providing academic leadership for all of the university’s engineering programs. Based in academia, she has also been a Member of Technical Staff at companies including ViaSat, HP and Bell Communications Research.

She has been a leader in engineering accreditation criteria activities for both IEEE and ABET, first as an IEEE program evaluator. Since joining the Engineering Accreditation Commission in 2015, Kramer has contributed to several significant advancements in the criteria, including ones to address diversity and inclusion, and new program criteria in mechatronics and cybersecurity.



**RAJENDRA K. RAJ**

Professor of Computer Science at Rochester Institute of Technology

“For substantial contributions in advancing computing accreditation and improving relevance to industry needs, including leading efforts to establish accreditation criteria for new computing disciplines and new degree levels.”

Rajendra K. Raj Ph.D. is a professor of computer science at Rochester Institute of Technology (RIT). His disciplinary research is in the application of data science and cybersecurity to critical infrastructure protection. Raj focuses on program development and quality across all of computing, especially the preparation of graduates for successful professional practice. In addition to volunteering with CSAB and ABET in different leadership roles, he

co-chairs the international task force of the ACM/IEEE-Computer Society/AAAI that is developing the 2020s revision of the computer science curricular guidelines.

Raj was previously a vice president at a multinational financial services company, where he led several software development projects, including high-performance private-cloud infrastructures for global financial applications. He has a bachelor’s in electrical engineering (electronics) from the Indian Institute of Technology, Madras; a master’s in computer science from The University of Tennessee, Knoxville; and a doctorate in computer science from the University of Washington, Seattle.



## Gilda A. Barabino

President of Olin College of Engineering

# Claire L. Felbinger Award for Diversity and Inclusion

The Claire L. Felbinger Award for Diversity and Inclusion is presented to recognize U.S.-based educational units, individuals, associations, and firms for extraordinary success in achieving diversity in the technological segments of our society.

The Claire L. Felbinger Award for Diversity and Inclusion is sponsored by ABET Bridge.

## 2022 WINNER GILDA A. BARABINO

"For outstanding action-oriented contributions advancing diversity and inclusion in technical education and healthcare through bioengineering solutions, as well as public policy leadership to transform the engineering profession."

Gilda A. Barabino is the second president of Olin College of Engineering. She is leading the college into its next chapter as it continues its mission to transform engineering education around the world.

A chemical engineer by training, with broad interests in global health and interdisciplinary research and education, Barabino has pioneered new engineering approaches to problems in

medicine. She is a passionate advocate for health equity and leads national efforts to engage engineers in the development of solutions to health disparities.

In recognition of her outstanding professional achievement, Barabino has received many of the highest honors in academia. In 2021, she was elected to the American Academy of Arts and Sciences. She is also an elected member of the National Academy of Engineering and the National Academy of Medicine. She is also the president of the American Association for the Advancement of Science (AAAS), the world's largest interdisciplinary scientific society.



# ABET Awards Celebration



**ABET**  
ABET bestows the designation of  
**Fellow**  
upon  
**Scott G. Danielson**  
For outstanding sustained leadership and service to ABET in support of accreditation programs to advance the quality of engineering education both domestically and globally, especially in South East Asia.  
Conferred on this 20th day of October, 2022

**ABET**  
ABET bestows the designation of  
**Fellow**  
upon  
**Alice Greife**  
For significant contributions to ANSAC's transformation to applied and natural science accreditation, charting the first natural science program visit and working to develop ANSAC's Data Science program criteria.  
Conferred on this 20th day of October, 2022

**ABET**  
ABET bestows the designation of  
**Fellow**  
upon  
**Kathleen A. Kramer**  
For significant leadership in revision of engineering accreditation criteria, including the integration of diversity, equity and inclusion, development of criteria for mechatronics and robotics, and revisions to MS-Circulate Level Criteria.  
Conferred on this 20th day of October, 2022

**ABET**  
ABET bestows the designation of  
**Fellow**  
upon  
**Rajendra K. Raj**  
For substantial contributions to advancing engineering accreditation and improving outcomes to industry needs, including leading efforts to establish accreditation criteria for new computing disciplines and new degree levels.  
Conferred on this 20th day of October, 2022



# ABET Awards Celebration



# ABET Awards Celebration



# Volunteer Spotlight



## Jennifer Brock

Associate Dean for Academics and  
Professor of Mechanical Engineering,  
University of Alaska Anchorage

### Q: What do you feel is most important about the work you do for ABET?

A: I like to point out that ABET is actually comprised of a number of professional and technical societies, and that accreditation standards are written and vetted by technical professionals working in the appropriate areas. ABET accreditation isn't a box check, it's a set of standards set by the profession itself. I also appreciate that the ABET criteria require programs to be responsive to their local constituencies. Our profession will continue to be strong as long as we educators are responsive to the needs of our constituencies (I'm an academic myself). I see my work with ABET as serving that goal.

### Q: What makes volunteering for ABET enjoyable and/or rewarding?

A: Every year, I get to meet and/or catch up with absolutely wonderful people. This includes my fellow ABETers and the people on the campuses I visit. I like to visit campuses, meet dedicated people, see how they're engaging students, and eat their delicious local cuisine.

### Q: What are your hopes for the future of STEM education?

A: In a lot of STEM fields, we're still doing a very uneven job of graduating students who are female, nonwhite, 1st generation or Pell eligible. In order to fill the needs of the STEM workforce, we are going to have to do better, and we are

starting to in a lot of ways. I hope and trust that this trend will continue.

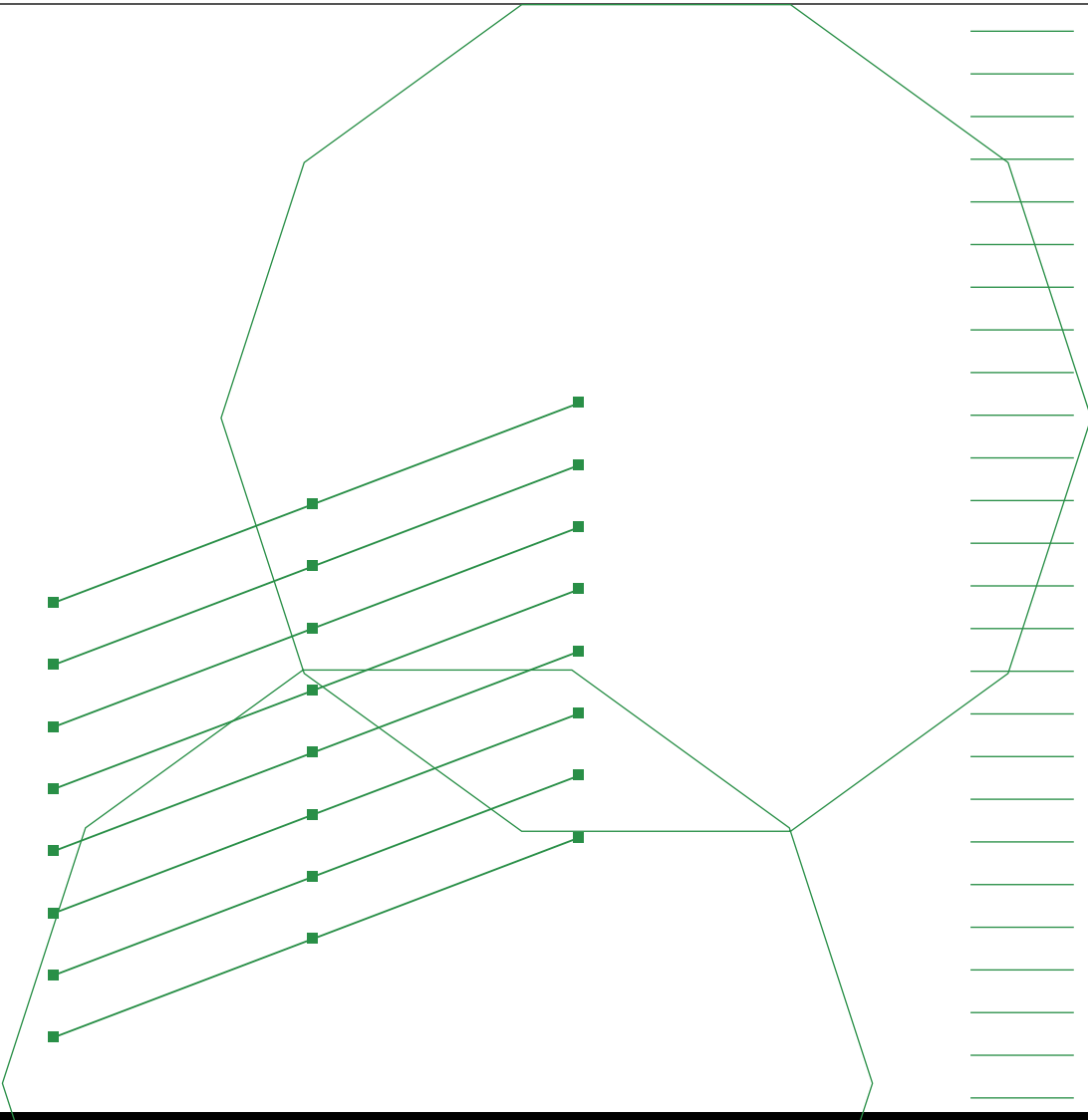
### Q: What will the future of work look like for graduates of ABET programs?

A: The future of work is changing for us all, with remote and hybrid work and collaboration becoming more common and work becoming ever more interdisciplinary. Also, the professions depend on the trust of society in general, and we live in a time when trust in experts and institutions is declining. I think that the recent changes in the EAC Student Outcomes begin to address these issues. In particular, the teamwork outcome (Outcome 5) went from simply requiring that grads be able to function on

interdisciplinary teams to defining the professional skills that constitute good teamwork. Likewise, the communication outcome (Outcome 3) went from simply requiring effective communication to requiring effective communication with a range of audiences. The future of our profession depends on our ability to communicate with non-technical people as much as it does on our ability to communicate with each other.

As long as our mission is one of responsiveness to constituent needs, and as long as we continue to adapt to change and promote resiliency, I believe that the future for grads of ABET programs is bright.

# Financials



**ABET’s future continues to look bright thanks to our steady, measured approach to financial growth. In 2022, ABET strengthened our already strong position by increasing global programming while maintaining lower operating costs. As a result, our community is well prepared to support STEM students and emerging leaders for years to come.**



**Jessica Silwick,  
CPA, MBA, CAE**

ABET Chief Financial Officer/Chief Operations Officer

*Jessica Silwick*

## CFO/COO Statement

I am pleased to present ABET, Inc.'s financial results for the fiscal year 2022 (October 2021–September 2022). These financial results have been audited by Councilor, Buchanan and Mitchell, P.C., CBM. As a result of the audit, CBM was able to provide an opinion that ABET's consolidated financial statements are presented fairly, in all material aspects, and illustrate the true financial position of our organization as of September 30, 2022, in accordance with the accounting principles generally accepted by the United States of America.

During 2022, ABET maintained a healthy, balanced financial position. Our net assets grew by \$1.1 million. A significant portion of this growth is attributed to a continued reduction in travel expenditures resulting from the COVID-19 pandemic. During the fiscal year, ABET did not conduct in-person program accreditation evaluations, and did not incur any travel or hosted meeting expenses until the spring of 2022.

Due to continued COVID outbreaks, ABET continued to host meetings in a virtual format for most of the year with the first in-person meeting hosted in July. We were able to continue to host in-person meetings through the remainder of the year.

Our continued resiliency enabled us to ensure quality and confidence through our program services of accreditation and assessment of adult learning. We grew our total number of programs accredited globally and continued to research and develop new services to answer the needs of adult learners and society at large.

ABET's financial position continues to be secure. We have a financial strategy to steadily grow assets, research new opportunities, develop balanced operating budgets and maintain a prudent cash position. ABET remains in a strong financial position to continue to serve society by ensuring quality STEM education.

# Statement of Financial Position

September 30, 2022

## ASSETS

Cash & Cash Equivalents	\$ 11,561,850
Investments (CDs) - at fair value	1,977,954
Receivables less bad debt allowance	692,060
Prepays & Other Current Assets	1,195,623
Fixed Assets -	3,670,060
less accumulated depreciation	
Long Term Assets	5,601,097
<b>TOTAL ASSETS</b>	<b>\$ 24,698,644</b>

## LIABILITIES & EQUITY

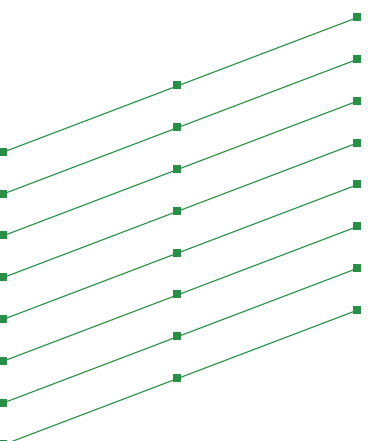
Liabilities	
Accounts Payable	\$ 295,914
Accrued Expenses	2,204,979
Deferred Revenues	4,661,006
457B Deferred Compensation	513,456
<b>TOTAL LIABILITIES</b>	<b>\$ 7,675,354</b>

## NET ASSETS

Unrestricted Net Assets	\$ 17,023,290
<b>TOTAL LIABILITIES &amp; NET ASSETS</b>	<b>\$ 24,698,644</b>

# Statement of Financial Activities

For the Twelve Month Period  
Ending September 30, 2022



## SUPPORT AND REVENUES

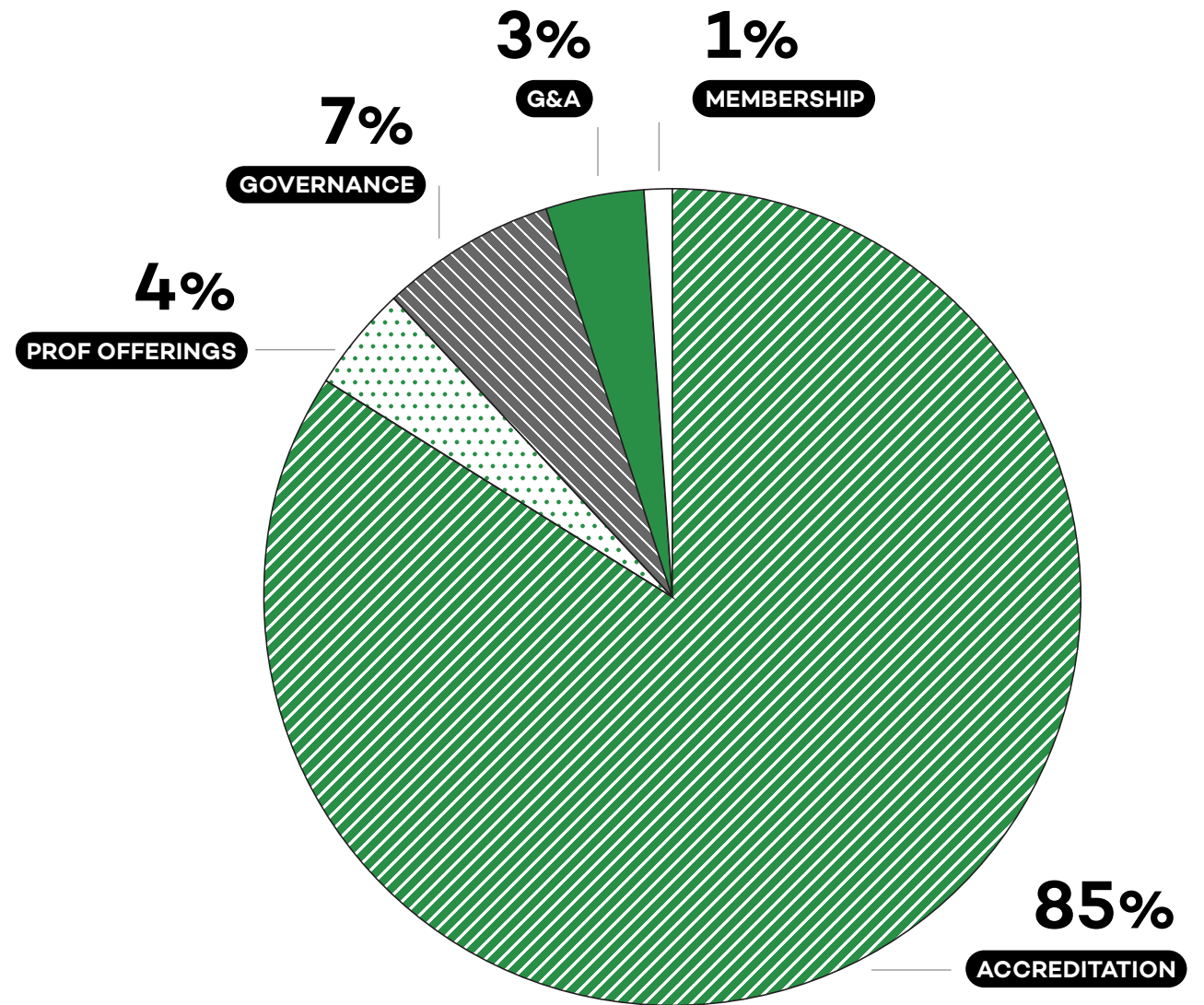
Accreditation Services	\$ 11,809,365
Donated Services	14,189,044
Professional Services Offerings	390,363
Membership Revenues	1,579,630
Interest & Dividend,	
Including Unrealized Losses	(918,275)
Other Income	839
<b>Total Support and Revenues</b>	<b>\$ 27,050,966</b>

## EXPENSES

<b>Program Services</b>	
Accreditation Services	\$ 7,783,664
Accreditation - Donated Services	14,189,044
<b>Total Accreditation</b>	<b>21,972,708</b>
Professional Offerings	1,142,834
Governance	1,777,272
<b>Total Program Services</b>	<b>\$ 24,892,814</b>
<b>Supporting Services</b>	
General and Administrative	\$ 921,898
Membership	166,860
<b>Total Supporting Services</b>	<b>1,088,758</b>
<b>Total Expenses</b>	<b>\$ 25,981,572</b>
Change in Net Assets	\$ 1,069,394
Net Assets, Beginning of Year	15,953,895
<b>Net Assets, Beginning of Year</b>	<b>\$ 17,023,289</b>



# ABET Functional Expenses Fiscal Year 2022



# Volunteer Spotlight



## Andy Phillips

Academic Dean and Provost,  
United States Naval Academy

### Q: What do you feel is most important about the work you do for ABET?

A: Working on behalf of ABET is one of the best examples of “servant leadership” that I can imagine. Essentially nothing that I do, or that any ABET volunteer does, is for myself or for my own institution. Everything I do, everything ABET volunteers do, is on behalf of our profession and on behalf of others. From students to faculty to programs to employers, everything we do within the ABET world is to help others be more successful.

### Q: What makes volunteering for ABET enjoyable and/or rewarding?

A: The people associated with the many programs as well as the ABET volunteers and paid staff all make the work enjoyable! The work itself is rewarding, too, in the sense

that I always feel that I learn something new, or at least that I’ve helped someone else in the work they are doing. But the real truth is that the most rewarding part is working with wonderful people who care about what they do, and that passion can’t help but rub off on you. Everyone I know in this business would say that very same thing. It’s no secret.

### Q: What are your hopes for the future of STEM education?

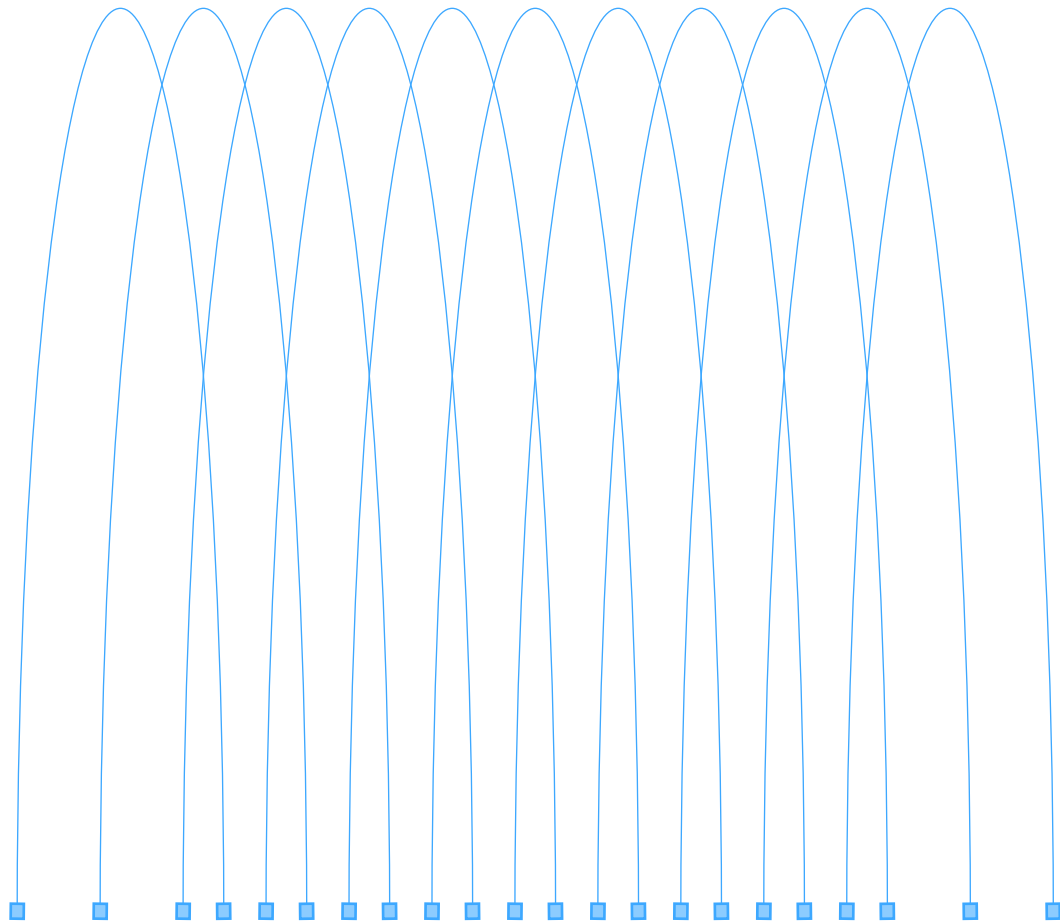
A: Too many Americans lack a basic understanding of STEM, including its basic facts and methods. Moreover women, African Americans, Hispanic Americans and Native Americans remain significantly underrepresented in nearly every STEM field. All learners, and especially those at a young age, must have equitable opportu-

nities to acquire foundational STEM knowledge. To ensure that our nation remains competitive globally, we must provide that equitable access and opportunity to all Americans in all STEM disciplines.

### Q: What will the future of work look like for graduates of ABET programs?

A: Graduates of all programs, whether ABET accredited or not, will be entering a workforce that becomes ever more global with every advance in science, technology and engineering. The advantage that graduates of ABET programs might have is that they will be specifically prepared for that global workforce with the skills and knowledge to immediately contribute technically in their professional careers, and with educational experiences that foster professional growth long into the future.

# Acknowledgements



**ABET wants to thank the incredible network, much of it volunteer, that carries out our mission around the world. Your work is essential for providing upcoming generations with the best chance to realize their own potential — and thereby giving ourselves the best chance at a brighter future.**

# 2021–2022 Board of Directors

The ABET Board of Directors is the governing body responsible for strategic planning, financial oversight and managing the external relationships of our organization. It is also the final review body for appeal of decisions regarding accreditation actions for a specific program. Our Board of Directors is comprised of 13 members: a President, President-Elect, Past-President, Secretary, Treasurer, four Area Directors, two At-Large Directors, one Public Director and the Executive Director/CEO (non-voting). The Board of Directors is advised by four board-level councils — Academic, Industry, Global and Inclusion, Diversity and Equity.

## OFFICERS

### President

William J. Wepfer,  
Ph.D.  
Professor Emeritus,  
Georgia Institute of  
Technology

### Past President

Dianne Chong, Ph.D.  
The Boeing  
Company (Retired)

### President-Elect

S. K. Ramesh, Ph.D.  
California State  
University,  
Northridge

### Secretary

Barbara Price, Ph.D.  
Georgia Southern  
University

### Treasurer

David L. Whitman,  
Ph.D., P.E.  
Professor Emeritus,  
University of  
Wyoming

## DIRECTORS

### Applied and Natural Science Area Director

Hamid Fonooni, Ph.D.  
University of  
California, Davis

### Computing Area Director

Andrew T. Phillips,  
Ph.D.  
United States  
Naval Academy

### Engineering Area Director

Stephen Phillips,  
Ph.D., P.E.  
Arizona State  
University

### Engineering Technology Area Director

Lorraine A. Kapka,  
M.S., P.E.  
Professor Emeritus,  
Sinclair Community  
College

### At-Large Director

Sarah Rajala, Ph.D.  
Dean and Professor  
Emerita, Iowa State  
University  
Professor Emerita,  
North Carolina State  
University

### At-Large Director

Charles Menke  
Caterpillar Inc.

### Public Director

Ellayne S. Ganzfried,  
M.S.

### Chief Executive Officer

Michael K. J. Milligan,  
Ph.D., P.E., CAE  
ABET

# 2021–2022 Board of Delegates

The ABET Board of Delegates is responsible for approving accreditation policies and procedures, general criteria and the organization of our accreditation commissions. Our Board of Delegates is comprised of 1-3 representatives from each of ABET's 35 member societies. The number of seats on the Board of Delegates is determined by the number of accredited programs for which the society is responsible. The President-Elect serves as a non-voting Chair of the Board of Delegates. The Board of Delegates is advised by one board-level council — Accreditation.

## Chair

S. K. Ramesh, Ph.D.  
California State University,  
Northridge

## AAEES

*American Academy of  
Environmental Engineers  
and Scientists*  
Debra Reinhardt, Ph.D., P.E.

## AAMI

*Association for the  
Advancement of Medical  
Instrumentation*  
Gregory Herr, MBA

## ACerS

*The American  
Ceramic Society*  
Alexis Clare, Ph.D.  
New York State  
College of Ceramics  
at Alfred University

## AIAA

*American Institute  
of Aeronautics and  
Astronautics*  
Brett Anderson, MBA, P.E.  
The Boeing Company

## AICHE

*American Institute  
of Chemical Engineers*  
Said Abubakr, Ph.D.  
Western Michigan  
University

Laura Dietsche, Ph.D., P.E.  
Dow Chemical Company

## AIHA

*American Industrial  
Hygiene Association*  
Robert Soule,  
Ed.D., CIH. CSP, P.E.

## ANS

*American Nuclear Society*  
Gilbert Brown, Ph.D.  
Elysium Industries

## ASABE

*American Society  
of Agricultural and  
Biological Engineers*  
Van C. Kelley, Ph.D., P.E.  
South Dakota State  
University

## ASCE

*American Society  
of Civil Engineers*  
Allen C. Estes,  
Ph.D., MBA, P.E.  
California Polytechnic  
State University

Maury Fortney, M.E., P.E.  
MEFI Engineering

Paul Mlakar,  
Ph.D., P.E., F.ASCE  
U.S. Army Engineer  
Research and  
Development Center

## ASEE

*American Society for  
Engineering Education*  
Thomas F. Conry, Ph.D.,  
P.E. (Secretary)  
Professor Emeritus  
University of Illinois

Scott Dunning,  
Ph.D., P.E. Ph.D., J.D., P.E.  
Virginia Polytechnic  
Institute

## ASHRAE

*American Society of  
Heating, Refrigerating,  
and Air-Conditioning  
Engineers*  
Dennis O'Neal, Ph.D.  
Baylor University

## ASME

*American Society of  
Mechanical Engineers*  
Mohammad Dehghani,  
Ph.D., P.E.  
Missouri University of  
Science and Technology

Lance Hoboy,  
MBA, CAE, CNAP

Thomas Singer, M.A.  
Sinclair Community  
College

## ASSP

*American Society of  
Safety Professionals*  
Magdy Akladios,  
Ph.D., P.E, CSP, CPE, CSHM  
University of Houston

## AWS

*American Welding Society*  
Jeff Hufsey

## BMES

*Biomedical  
Engineering Society*  
Gail Baura, Ph.D.  
Loyola University Chicago

Michele J. Grimm, Ph.D.  
Michigan State University

## CMAA

*Construction Management  
Association of America*  
Andrea Rutledge, MFA

## CSAB

Paul Leidig, Ph.D.  
Grand Valley State  
University

# 2021–2022 Board of Delegates

The ABET Board of Delegates is responsible for approving accreditation policies and procedures, general criteria and the organization of our accreditation commissions. Our Board of Delegates is comprised of 1-3 representatives from each of ABET’s 35 member societies. The number of seats on the Board of Delegates is determined by the number of accredited programs for which the society is responsible. The President-Elect serves as a non-voting Chair of the Board of Delegates. The Board of Delegates is advised by one board-level council — Accreditation.

Kenneth E. Martin, Ph.D.  
Professor and Founding  
Director Emeritus  
University of North Florida

Donna Reese, Ph.D.  
Professor Emeritus  
Mississippi State  
University

**IEEE**  
*Institute of Electrical and  
Electronics Engineers*  
John Sammarco, Ph.D.  
NIOSH

John L. Vian, Ph.D., P.E.  
The Boeing Company

Ece Yaprak, Ph.D.  
Wayne State University

**IFMA**  
*International Facility  
Management Association*  
Case Runolfson, CFM  
American Institutes for  
Research

**IISE**  
*Institute of Industrial  
& Systems Engineers*  
Bopaya Bidanda, Ph.D.  
University of Pittsburgh

Kirk Lindstrom, MBA, P.E.  
Salt Lake County

**INCOSE**  
*International Council  
on Systems Engineering*  
John E. MacCarthy

**ISA**  
*International Society  
of Automation*  
Robert Kosar  
Grand Isle Group

**NCEES**  
*National Council of  
Examiners for Engineering  
and Surveying*  
Michelle Rambo-  
Roddenberry,  
Ph.D., P.E., F.ASCE  
FAMU - FSU College  
of Engineering

**NSPE**  
*National Society of  
Professional Engineers*  
Dan J. Wittliff,  
P.E., DEE, F.NSPE

**NSPS**  
*National Society of  
Professional Surveyors*  
Robert Schmidt, M.S.

**SAE International**  
Daniel Skurski, M.S.

**SFPE**  
*Society of Fire Protection  
Engineers*  
Virginia Charter, Ph.D., P.E.  
Oklahoma State University

**SME**  
Ron Bennett, Ph.D., MBA  
University of St. Thomas,  
Saint Paul

**SME-AIME**  
*Society for Mining,  
Metallurgy, and  
Exploration*  
Richard Sweigard, Ph.D.  
University of Memphis

**SNAME**  
*Society of Naval Architects  
and Marine Engineers*  
Carolyn Judge, Ph.D.  
United States Naval  
Academy

**SPE**  
*Society of Petroleum  
Engineers*  
Lloyd Heinze,  
Ph.D., MBA, P.E.  
Texas Tech University

**SPIE**  
*The International Society  
for Optics and Photonics*  
Scott W. Teare, Ph.D.  
New Mexico Institute of  
Mining and Technology

**SWE**  
*Society of Women  
Engineers*  
Janet Brelin-Fornari,  
Ph.D, P.E.  
Grand Canyon University

**TMS**  
*The Minerals, Metals,  
and Materials Society*  
Thomas R. Bieler, Ph.D.  
Michigan State University

**WEPAN**  
*Women in Engineering  
ProActive Network*  
Deborah Trytten, Ph.D.  
University of Oklahoma

# 2021–2022 Area Delegations

The four Area Delegations, which are aligned with the curricular areas of our commissions, are responsible for approving program-specific accreditation criteria and selecting members of the accreditation commissions, as well as assigning programs to member societies within their areas. Seats on each Area Delegation are apportioned based on the number of accredited programs for which a society serves as “lead” within the relevant accreditation commission. Each Area Delegation is responsible for selecting an Area Director to serve on the ABET Board of Directors. The individuals selected also serve as non-voting chairs of their respective Delegations.

## Applied and Natural Sciences Area Delegation

### Chair

Hamid Fonooni, Ph.D.

### Members

Debra Reinhart, Ph.D., P.E.  
AAEES

Robert Soule, Ed.D., CIH, CSP, P.E.  
AIHA

Gilbert Brown, Ph.D.  
ANS

Paul Mlakar, Ph.D., P.E., F.ASCE  
ASCE

Magdy Akladios, Ph.D., P.E., CSP, CPE, CSHM  
ASSP

Colin Biddle, M.A., PMP  
CMAA

Paul Leidig, Ph.D.  
CSAB

Case Runolfson, CFM  
IFMA

George Murgel, Ph.D., P.E.  
NCEES

Tom Roberts, P.E. (Secretary)  
NSPE

Jack A. Walker, PLS  
NSPS

C. Dale Elifrits, Ph.D.  
SME-AIME

## Computing Area Delegation

### Chair

Andrew T. Phillips, Ph.D.

### Members

Paul Leidig, Ph.D.  
CSAB

Kenneth E. Martin, Ph.D.  
CSAB

Donna Reese, Ph.D. (Secretary)  
CSAB

## Engineering Area Delegation

### Chair

Stephen Phillips, Ph.D., P.E.

### Members

Debra Reinhart, Ph.D., P.E.  
AAEES

Alexis Clare, Ph.D.  
ACerS

Brett Anderson, MBA, P.E.  
AIAA

Said Abubakr, Ph.D.  
AIChE

Laura Dietsche, Ph.D., P.E.  
AIChE

Stanley H. Levinson, Ph.D., P.E.  
ANS

Van C. Kelley, Ph.D., P.E.  
ASABE

Allen C. Estes, Ph.D., P.E., MBA  
ASCE

Maury Fortney, M.E., P.E.  
ASCE

Paul Mlakar, Ph.D., P.E., F.ASCE  
ASCE

David K. Probst, Ph.D., P.E.  
ASEE

Dennis O’Neal, Ph.D., P.E.  
ASHRAE

Mohammad M. Dehghani, Ph.D., P.E.  
ASME

Lance Hoboy, MBA, CAE, CNAP  
ASME

Mary Kasarda, Ph.D.  
ASME

Jeff Hufsey  
AWS

Gail Baura, Ph.D.  
BMES

Michele J. Grimm, Ph.D.  
BMES

Donna Reese, Ph.D.  
CSAB

Diane T. Rover, Ph.D.  
IEEE

John Sammarco, Ph.D.  
IEEE

John L. Vian, Ph.D., P.E.  
IEEE

Bopaya Bidanda, Ph.D.  
IISE

Kirk Lindstrom, MBA, P.E.  
IISE

John E. MacCarthy  
INCOSE

Robert Kosar  
ISA

Michelle Rambo-Roddenberry, Ph.D., P.E., F.ASCE  
NCEES

Dan J. Wittliff, P.E., DEE, F.NSPE  
NSPE

# 2021–2022 Area Delegations

The four Area Delegations, which are aligned with the curricular areas of our commissions, are responsible for approving program-specific accreditation criteria and selecting members of the accreditation commissions, as well as assigning programs to member societies within their areas. Seats on each Area Delegation are apportioned based on the number of accredited programs for which a society serves as “lead” within the relevant accreditation commission. Each Area Delegation is responsible for selecting an Area Director to serve on the ABET Board of Directors. The individuals selected also serve as non-voting chairs of their respective Delegations.

Robert Schmidt,  
M.S., L.S.  
NSPS

Daniel Skurski,  
M.S.  
SAE

Louis Guerrazzi  
SFPE

Ron Bennett,  
Ph.D., MBA  
(Secretary)  
SME

Richard Sweigard,  
Ph.D.  
SME-AIME

Carolyn Judge,  
Ph.D.  
SNAME

Lloyd Heinze,  
Ph.D., MBA, P.E.  
SPE

Scott W. Teare,  
Ph.D.  
SPIE

Janet Brelin-Fornari,  
Ph.D., P.E.  
SWE

Thomas R. Bieler,  
Ph.D.  
TMS

Deborah Trytten,  
Ph.D.  
WEPAN

---

### Engineering Technology Area Delegation

#### Chair

Lorraine A. Kapka,  
M.S., P.E.

#### Members

Debra Reinhart,  
Ph.D., P.E.  
AAEES

Gregory Herr, MBA  
AAMI

Alexis Clare,  
Ph.D.  
ACerS

Brett Anderson,  
MBA, P.E.  
AIAA

Said Abubakr,  
Ph.D.  
AIChE

Gilbert Brown, Ph.D.  
ANS

Thomas Brumm,  
Ph.D.  
ASABE

Maury Fortney,  
M.E., P.E.  
ASCE

Scott Dunning, Ph.D.,  
P.E.  
ASEE

Dennis O’Neal,  
Ph.D., P.E.  
ASHRAE

Charles G. Drake,  
M.S., P.E.  
ASME

Thomas Singer,  
M.A.  
ASME

Jeff Hufsey  
AWS

Andrea Rutledge,  
MFA  
CMAA

Lois Mansfield, M.S.  
CSAB

Cyrilla Menon,  
M.S., MBA  
IEEE

Ece Yaprak,  
Ph.D.  
IEEE

Kirk Lindstrom, MBA,  
P.E. (Secretary)  
IISE

Robert P. Kosar  
ISA

George Murgel,  
Ph.D., P.E.  
NCEES

Tom Roberts,  
P.E.  
NSPE

Robert Schmidt,  
M.S., L.S.  
NSPS

Daniel Skurski,  
M.S.  
SAE International

Virginia Charter,  
Ph.D., P.E.  
SFPE

Ismail Fidan,  
Ph.D.  
SME

Ahmed M. Ibrahim,  
Ph.D., P.E.  
SNAME

Scott W. Teare,  
Ph.D.  
SPIE

Thomas R. Bieler,  
Ph.D.  
TMS



# 2021–2022 Accreditation Council

**Our Accreditation Council (AC) formulates and recommends to our leadership, policies and procedures regarding accreditation activities. Its mission is to improve processes and promote uniformity across the Accreditation Commissions.**

## Chair

Ann L. Kenimer,  
Ph.D.  
Texas A&M  
University

## Applied and Natural Science Accreditation Commission

### Chair

Randal J. Keller, Ph.D.  
Murray State  
University

### Chair-Elect

Niaz Latif, Ph.D.  
Purdue University  
Northwest

### Past Chair

Jason G. Racette,  
PLS  
Boundary Consulting  
Experts, LLC

### Staff Liaison

Amanda Reid,  
J.D.

## Computing Accreditation Commission

### Chair

Rajendra K. Raj, Ph.D.  
Rochester Institute  
of Technology

### Chair-Elect

Jean R.S. Blair, Ph.D.  
United States  
Military Academy

### Past Chair

Cary Laxer, Ph.D.  
Rose-Hulman  
Institute of  
Technology

### Staff Liaison

Harold C. Grossman,  
Ph.D.

## Engineering Accreditation Commission

### Chair

M. Patricia Brackin,  
Ph.D.  
Rose-Hulman  
Institute of  
Technology

### Chair-Elect

Mohammad H. Hosni,  
Ph.D.  
Kansas State  
University

### Past Chair

David Binning,  
M.C.E, P.E.  
George Mason  
University

### Staff Liaisons

M. Dayne Aldridge,  
Sc.D., P.E.

Douglas R. Bowman,  
Ph.D., P.E.

Susan E. Conry,  
Ph.D.

Winston F. Erevelles,  
Ph.D.

## Engineering Technology Accreditation Commission

### Chair

April Cheung,  
M.B.A., M.S.  
Purdue University

### Chair-Elect

Carol E. Schulte, M.S.  
McNeese State  
University (retired)

### Past Chair

Scott Danielson,  
Ph.D.  
Arizona State  
University

### Staff Liaison

Frank Hart,  
P.E., P.S.

## Global Council

### Chair

Jamie Rogers,  
Ph.D., P.E.  
University of Texas,  
Arlington

## ABET

### Staff Liaisons

Joseph L. Sussman,  
Ph.D., F.ASME

Jane Emmet,  
M.A.T.

Stephanie  
Harrington, M.S.

# 2021–2022 Academic Advisory Council

The Academic Advisory Council (AAC) provides our leadership with access to academic viewpoints on issues of accreditation involving applied and natural science, computing, engineering and engineering technology education.

It also guides our organization in matters affecting the relevant professions, reactions to proposed programs, procedures and policies as they relate to the education sector of our constituencies. The AAC also works as a communication channel between us and the academic community.

Through increased participation at all levels of our organization, AAC members develop and implement mechanisms to engage diverse audiences of the academic community in our accreditation activities.

## Chair

Cynthia Paschal\*,  
Ph.D.  
Vanderbilt University

## Council Members

Emily L. Allen,  
Ph.D.  
California State  
University,  
Los Angeles

Kenneth S. Ball,  
Ph.D., P.E.  
George Mason  
University

Oscar Barton Jr.,  
Ph.D., P.E.  
Morgan State  
University

Keith Bowman,  
Ph.D.  
University of  
Maryland Baltimore  
County

Ken Burbank,  
Ph.D.  
Purdue University

Jared Cutler  
Sinclair Community  
College

Charles Isbell,  
Ph.D.  
Georgia Institute  
of Technology

Keith V. Johnson,  
Ph.D.  
East Tennessee  
State University

Javier A. Kypuros,  
Ph.D.  
University of Texas  
at Tyler

Jaime Bonilla Rios,  
Ph.D.  
Tecnológico de  
Monterrey, Mexico

David Tomasko,  
Ph.D.  
The Ohio State  
University

James Zhang,  
Ph.D.  
Kettering University

## Board Liaison

Ellayne S. Ganzfried,  
M.S.

## Staff Liaison

Joseph L. Sussman,  
Ph.D., F.ASME

# 2021–2022 Global Council

The Global Council (GC) advises our Board on policies and procedures to enhance our global presence. This includes participation in new mutual recognition agreements (MRAs), memoranda of understanding (MOUs) and substantial equivalency recognition of educational programs outside of the U.S.

## Chair

Jamie Rogers,  
Ph.D., P.E.  
University of Texas,  
Arlington

## Council Members

Said AbuBakr, Ph.D.  
Western Michigan  
University

Magdy Akladios  
University  
of Houston,  
Clear Lake

Thomas R. Bieler,  
Ph.D.  
Michigan State  
University

Gillian Bond,  
Ph.D.  
Professor Emeritus,  
New Mexico  
Institute of Mining  
& Technology

Alexis Clare,  
Ph.D.  
New York State  
College of Ceramics  
at Alfred University

Hamid Fonooni,  
Ph.D.  
University of  
California, Davis

David K. Holger,  
Ph.D.  
Professor Emeritus,  
Iowa State  
University

Lawrence G. Jones,  
Ph.D., F.ABET,  
F.CSAB  
Software  
Engineering Institute  
(SEI) of Carnegie  
Mellon University  
(Retired)

Kenneth E. Martin,  
Ph.D.  
Professor and  
Founding Director  
Emeritus, University  
of North Florida

Charles Menke, M.S.  
Caterpillar, Inc.

Sarah Rajala, Ph.D.  
Dean and Professor  
Emerita, Iowa State  
University  
Professor Emerita,  
North Carolina State  
University

Ece Yaprak, Ph.D.  
Wayne State  
University

## Staff Liaison

Daniela Iacona, CAE

# 2021–2022 Inclusion, Diversity and Equity Advisory Council

Reporting to the Board of Directors, the Inclusion, Diversity and Equity Advisory Council (IDEAC) promotes inclusivity, diversity and equity within ABET, its activities, its volunteer base and its accredited programs consistent with ABET Principles of Diversity and Inclusion.

## Chair

Mary Leigh Wolfe,  
Ph.D.  
Virginia Tech

## Council Members

Nicole Chestang,  
MBA  
Nicole Chestang  
& Assoc., LLC

Dianne Chong, Ph.D.

Imelda Cossette,  
M.Ed.  
Edmonds Community  
College

Haidar M. Harmanani,  
Ph.D.  
Lebanese American  
University

Michael Johnson, Ph.D.  
Texas A&M University

Carolyn Judge,  
Ph.D.  
United States Naval  
Academy

John H. Koon,  
Ph.D., P.E.  
Georgia Institute of  
Technology

Kirk Lindstrom,  
MBA, P.E.  
Salt Lake County

Richard Olawoyin,  
Ph.D., CEP, CSP  
Oakland University

S. K. Ramesh,  
Ph.D.  
California State  
University, Northridge

Angela Trego,  
Ph.D., P.E.  
Practical Aeronautics

Deborah Trytten,  
Ph.D.  
University of  
Oklahoma

## Staff Liaison

Lisa Lance, M.A.

# 2021–2022 Industry Advisory Council

The Industry Advisory Council (IAC) provides ABET leadership with the perspectives of major employers on accreditation policy issues, works with company leaders to develop channels for Program Evaluator recruitment from industry and acts as an advocate for the meaning and value of ABET accreditation to major technical employers and other key ABET stakeholders.

## Chair

Richard Hope  
AECOM

## Vice-Chair

Suzanne M. Beckstoffer,  
MBA  
Newport News  
Shipbuilding

Lou Gritzko,  
Ph.D.  
FM Global

## Staff Liaison

Stephanie Harrington,  
M.S.

## Past-Chair

Jeffrey Abell,  
Ph.D., P.E.  
General Motors

Rebecca Jones,  
MBA, FCMAA  
SafeworkCM

Larry McCallister, Ph.D.,  
P.E., PMP, SES, F.ASCE  
US Army Corps of  
Engineers

## Council Members

Naguib Attia,  
Ph.D.  
IBM

Anand Raman,  
Ph.D.  
Climax Molybdenum

Jennifer L. Bradford  
Siemens

Matt Tegerdine,  
MBA  
Verizon

Bret M. Clausen,  
CIH, CSP, CHMM, ARM  
Bechtel

Matthew P. Conwell,  
M.S., P.E.  
Invenergy LLC

Hy D. Tran,  
Ph.D., P.E., F.ASME  
Sandia National  
Laboratories

Michael Foss  
Flexport

Anita Yadav  
Caterpillar Inc.

# 2021–2022 Applied and Natural Science Accreditation Commission (ANSAC)

## OFFICERS

### Chair

Randal J. Keller, Ph.D.  
Murray State University

### Chair-Elect

Niaz Latif, Ph.D.  
Purdue University  
Northwest

### Past Chair

Jason G. Racette  
Boundary Consulting  
Experts, LLC

### Vice Chair of Operations

Rebecca Y. Popeck, PLS  
SPACECO, Inc.

### Members-at-Large

Paulette Lantuh, CSP  
Kodak Alaris

Lisa C. Sachs, FAIA,  
FCMAA, CCM  
Cumming Construction  
Management, Inc.

Lu Yuan, Sc.D., CSP  
Southeastern Louisiana  
University

Public Commissioner  
Stephen Symbolik

### Board Area Delegation Chair

Hamid Fonooni, Ph.D.  
University of California,  
Davis

## COMMISSION MEMBERS

### AAEES

*American Academy of  
Environmental Engineers  
and Scientists*

Prahlad N. Murthy,  
Ph.D., P.E.  
Wilkes University

### AICHE

*American Institute of  
Chemical Engineers*

Daniela Mainardi, Ph.D.  
Louisiana Tech University

### AIHA

*American Industrial  
Hygiene Association*

Donald S. Delikat,  
MBA, CIH, CSP  
MA Department  
of Labor Standards

Alice Greife, Ph.D.  
University Of Central  
Missouri

J. Torey Nalbone, Ph.D., CIH  
The University of Texas  
at Tyler

Robert N. Phalen,  
Ph.D., CIH  
University of Houston,  
Clear Lake

### ANS

*American Nuclear Society*  
Mary Lou Dunzik-Gougar,  
Ph.D.  
Idaho State University

### ASABE

*American Society of  
Agricultural and Biological  
Engineers*

Monica Gray, Ph.D., P.E.  
The University of Texas of  
the Permian Basin

### ASCE

*American Society of Civil  
Engineers*

Amitabha (Amit)  
Bandyopadhyay, Ph.D., P.E.  
State University of New  
York – Farmingdale State  
College

### ASSP

*American Society of  
Safety Professionals*  
Darryl C. Hill,  
Ph.D., MBA, CSP  
FirstGroup America, Inc.

Jack O. Ogutu, Ph.D., CSP  
Millersville University of  
Pennsylvania

Richard Olawoyin,  
Ph.D., P.E., CEP, CSP  
Oakland University

### CMAA

*Construction Management  
Association of America*  
Kevin W. Love, P.E.  
Jacobs

Mohsin Khalid Siddiqui,  
Ph.D., PMP, P.E.  
University of Delaware

Richard Lee Rye,  
M.S., CCM  
RICHARD L RYE,  
Consulting, LLC

### CSAB

Frederick C. Harris, Ph.D.  
University of Nevada, Reno

### IFMA

*International Facility  
Management Association*  
Regina Ford Cahill, M.S.  
Pratt Institute

### NCEES

*National Council of  
Examiners for Engineering  
and Surveying*  
Marlee Ann Walton,  
P.E., PLS  
Iowa State University

### NSPS

*National Society of  
Professional Surveyors*  
Jeffery Pereira  
Hollingsworth, M.S., L.S.  
Michigan Technological  
University

Peter J. Hutchison, P.E., L.S.  
Self Employed

Kera Mariotti,  
MGIS, L.S., GISP  
Canada Land Surveying

### SME-AIME

*Society for Mining,  
Metallurgy, and  
Exploration*  
David R. Hammond, Ph.D.  
Hammond International  
Group

# 2021–2022 Computing Accreditation Commission (CAC)

## OFFICERS

### Chair

Rajendra K. Raj, Ph.D.  
Rochester Institute  
of Technology

### Chair-Elect

Jean R. S. Blair, Ph.D.  
United States Military  
Academy

### Past Chair

Cary Laxer, Ph.D.  
Rose-Hulman Institute  
of Technology

### Vice Chair-Operations

David S. Gibson, Ph.D.  
Professor Emeritus  
United States Military  
Academy

### Members-at-Large

Andrew Scott Borchers,  
DBA  
Lipscomb University

James Anthony Cercone,  
Ph.D.  
Preiser Scientific

Kevin Huggins, Ph.D.  
Harrisburg University of  
Science and Technology

Scott Murray, MBA  
ProCore Technologies

Michael Oudshoorn, Ph.D.  
High Point University

George Pothering, Ph.D.  
College of Charleston

Stephanie Smullen, Ph.D.

Kim W. Tracy, M.S.  
Rose-Hulman Institute  
of Technology

Thomas R. Turner, Ph.D.  
University of Central  
Oklahoma

Yaakov Varol, Ph.D.  
University of Nevada, Reno

### Public Commissioner

Janna L. Oakes, Ph.D.

### Board Area Delegation Chair

Andrew T. Phillips, Ph.D.  
United States Naval  
Academy

## COMMISSION MEMBERS

### CSAB

Ala Al-Fuqaha, Ph.D.  
Western Michigan  
University

Sherif G. Aly Ahmed, D.Sc.  
The American University  
in Cairo

Asai Asaithambi, Ph.D.  
University of North Florida

Nancy Birkenheuer, M.S.  
Regis University

Benjamin Jude Bishop,  
Ph.D.  
University of Scranton

Dennis Bouvier, Ph.D.  
Southern Illinois University,  
Edwardsville

William H. Burkett, Ph.D.

Rob Byrd, Ed.D.  
Northrop Grumman  
Defense Systems

Richard Cai, Ph.D.  
Colorado Technical  
University

Curtis A. Carver, Ph.D.  
University of Alabama  
at Birmingham

Jason W. Christian, M.S.  
Liberty University

David W. Cordes, Ph.D.  
The University of Alabama

Bill Dafnis, Ph.D.  
Seminole State College  
of Florida

Kevin Daimi, Ph.D.  
Professor Emeritus  
University of Detroit Mercy

Brahma Dathan, Ph.D.  
Metropolitan State  
University

Ruth E. Davis, Ph.D.  
Santa Clara University

Bret J. Detillier, MBA  
University of Houston

Geoffrey Dick, Ph.D.  
St. John's University,  
New York

Joseph Jones Ekstrom,  
Ph.D.  
Brigham Young University

Omar El-Gayar  
Dakota State University

Khaled ElMahgoub,  
Ph.D., MBA  
Philips

Richard Enbody, Ph.D.  
Michigan State University

Leslie D. Fife, Ph.D.  
The Church of Jesus  
Christ of Latter-day  
Saints

Guillermo A. Francia III,  
Ph.D.

The University  
of West Florida

Muztaba Fuad, Ph.D.  
Winston-Salem State  
University

Teofilo F. Gonzalez, Ph.D.  
University of California,  
Santa Barbara

Sandra Gorka, Ph.D.  
Pennsylvania College  
of Technology

Mary J. Granger, Ph.D.  
Professor Emeritus  
George Washington  
University

Haidar M. Harmanani, Ph.D.  
Lebanese American  
University

Chenglie Hu, Ph.D.  
Carroll University

Carolyn M. Jacobson, Ph.D.  
Pennsylvania State  
University

Ken Edward Kennedy, Ph.D.  
Fulfilld.io

Joseph M. Kizza, Ph.D.  
University of Tennessee,  
Chattanooga

Stan Kurkovsky, Ph.D.  
Central Connecticut State  
University

Jeffrey A. Lasky, Ph.D.  
Rochester Institute  
of Technology

Timothy J. McGuire, Ph.D.  
Texas A&M University

# 2021–2022 Computing Accreditation Commission (CAC)

Russell McMahon, M.Ed.  
University of Cincinnati

Bruce McMillin, Ph.D.  
Missouri University of  
Science and Technology

Keith A. Morneau, Ed.D.  
ECPI University

Kristine Susanne Nagel,  
Ph.D.  
Georgia Institute  
of Technology

Amos O. Olagunju, Ed.D.  
Saint Cloud State  
University

Raymond Papp, Ph.D.  
The University of Tampa

Jody Paul, Ph.D.  
Metropolitan State  
University of Denver

Shari Plantz-Masters, Ph.D.  
Regis University

Annu Sible Prabhakar, Ph.D.  
University of Cincinnati

Brian J. Reithel, Ph.D., MBA  
University of Mississippi

Dan Resler, Ph.D.  
Virginia Commonwealth  
University

Anthony S. Ruocco,  
Ph.D., P.E.  
Roger Williams University

Mohammed Samaka, Ph.D.

Chandra N. Sekharan,  
Ph.D.  
Loyola University Chicago

Sanaa Sharafeddine, Ph.D.  
American University of  
Beirut

David L. Shroads, D.Sc.  
Apollo Education Group  
(AEG)

VLN Simhan, Ph.D., P.E.  
RGM College of  
Engineering and  
Technology (autonomous)

Kevin Smith, Ph.D.  
Al Akhawayn University

Randy K. Smith, Ph.D.  
University of Alabama

Edward Sobiesk, Ph.D.  
United States Military  
Academy

Amanda Stent, Ph.D.  
Colby College

Heikki Topi, Ph.D.  
Bentley University

Raymond E. Trygstad, M.S.  
Illinois Institute  
of Technology

Joseph Edward Urban,  
Ph.D.  
Professor Emeritus  
Arizona State University

Andy Ju An Wang, Ph.D.  
Northern Arizona  
University

Pearl Y. Wang, Ph.D.  
George Mason University

Christopher Ward, Ph.D.  
UBS

Patrick Widener, Ph.D.  
Oak Ridge National  
Laboratory

Mary Jane Willshire, Ph.D.  
Capella University

Sen Zhang, Ph.D.  
SUNY Oneonta



# 2021–2022 Engineering Accreditation Commission (EAC)

## OFFICERS

### Chair

M. Patricia Brackin, Ph.D.  
Rose-Hulman Institute  
of Technology

### Chair-Elect

Mohammad H. Hosni, Ph.D.  
Kansas State University

### Past Chair

David Binning, M.C.E., P.E.  
George Mason University

### Vice Chair-Operations

Lorraine Fleming, Ph.D.  
Howard University

### Members-at-Large

John O. Attia, Ph.D., P.E.  
Prairie View A&M  
University

Kenneth S. Ball, Ph.D., P.E.  
George Mason University

Leonard J. Bohmann,  
Ph.D., P.E.  
Michigan Technological  
University

Gerald Burnham, Ph.D., P.E.  
The University of Texas  
at Dallas

Janet M. Callahan, Ph.D.  
Michigan Technological  
University

Linda Franzoni, Ph.D.  
Duke University

Karen Fujikawa, M.S., P.E.  
Westinghouse Electric  
Company

Anne M. Germain, M.E., P.E.  
National Waste &  
Recycling Association

Gregg M. Janowski, Ph.D.  
University of Alabama at  
Birmingham

Kathleen Kramer, Ph.D.  
University of San Diego

Cass D. Kuhl, M.S.  
NASA Glenn Research  
Center

Pierre Marc Larochelle,  
Ph.D.  
South Dakota School  
of Mines and Technology

Sigurd Meldal, Sc.D.  
Mostly Sunny LLC

Kimberly Louise Ogden,  
Ph.D.  
University of Arizona

Sanjiv Sarin, Ph.D., P.E.  
North Carolina A&T State  
University

Philip A. Schenewerk, Ph.D.,  
P.E., P.G.  
The Lacombe Group, LLC

Ellen W. Stevens, Ph.D., P.E.  
Consulting Civil Engineer

Chris Taylor, Ph.D.  
Milwaukee School of  
Engineering

Garry G. Young, M.S., MBA  
**Public Commissioner**  
Amy O'Leary, Ph.D.

### Board Area Delegation Chair

Stephen M. Phillips,  
Ph.D., P.E.  
Arizona State University

S. K. Ramesh, Ph.D.  
California State  
University, Northridge

## COMMISSION MEMBERS

**AAEES**  
*American Academy of  
Environmental Engineers  
and Scientists*  
David A. Chin, Ph.D.  
University of Miami

Jeffrey H. Greenfield,  
Ph.D., P.E.  
Florida International  
University

F. Michael Saunders, Ph.D.  
Professor Emeritus,  
Georgia Institute  
of Technology

David A. Vaccari,  
Ph.D., P.E., BCEE, F.ASCE  
Stevens Institute  
of Technology

**ACerS**  
*The American Ceramic  
Society*  
Murray Grant Norton, Ph.D.  
Washington State  
University

**AIAA**  
*American Institute  
of Aeronautics and  
Astronautics*  
Mark R. Archambault, Ph.D.  
Florida Institute  
of Technology

Erian Armanios, Ph.D.  
The University of Texas,  
Arlington

Adiel Guinzburg,  
Ph.D., MBA  
The Boeing Company

Srinivas R. Vadali, Ph.D.

**AIChE**  
*American Institute of  
Chemical Engineers*  
R. Mark Bricka, Ph.D., P.E.  
Mississippi State  
University

Gabor Kiss, Ph.D.  
ExxonMobil Research  
& Engineering Co.

Alon V. McCormick, Ph.D.  
University of Minnesota

Marina Miletic, Ph.D.  
Miletic Consulting

Martha C. Mitchell,  
Ph.D., P.E.  
New Mexico State  
University

Peyton C. Richmond,  
Ph.D., P.E.  
Lamar University

Francis J. Schork,  
Ph.D., P.E.  
Professor Emeritus  
Georgia Institute of  
Technology

David Lawrence  
Silverstein, Ph.D., P.E.  
University of Kentucky

**ANS**  
*American Nuclear Society*  
Walid A. Metwally,  
Ph.D., MBA  
University of Sharjah

Youssef Shatilla, D.Sc.  
Masdar Institute of  
Science and Technology

# 2021–2022 Engineering Accreditation Commission (EAC)

**ASABE**

*American Society of Agricultural and Biological Engineers*

Ann Denise Christy, Ph.D., P.E.  
The Ohio State University

Larry D. Gaultney, Ph.D., F.ASABE  
Haveawonderfulday LLC

Ernest William Tollner, Ph.D., P.E.  
University of Georgia

**ASCE**

*American Society of Civil Engineers*

Bruce William Berdanier, Ph.D., P.E.  
South Dakota State University

Mark P. Cal, Ph.D., P.E.  
New Mexico State University

Norman Dale Dennis, Ph.D., P.E. D.GE  
University of Arkansas

Mark O. Federle, Ph.D., P.E., NAC  
Marquette University

David W. Jensen, Ph.D., P.E.  
Jensen Technologies LLC

Nathan M. Kathir, Ph.D., P.E.  
George Mason University

Yvette E. Pearson Ph.D., P.E.  
The Pearson Evaluation and Education Research (PEER) Group

Daniel Pradel, Ph.D., P.E.  
University of California, Los Angeles

Richard (Rich) Alan Reid, Ph.D., P.E.  
South Dakota State University

James E. Rowings, Ph.D., P.E.  
Peter Kiewit Sons, Inc.

Yasser Salem, Ph.D., S.E.  
California State Polytechnic University

Joseph E. Saliba, Ph.D., P.E.  
University of Dayton

Camilla Margaret Saviz, Ph.D., MBA, P.E.  
University of the Pacific

Thomas C. Sheahan, Sc.D., P.E.  
Northeastern University

Houssam A. Toutanji, Ph.D., P.E.  
California State University, Northridge

**ASEE**

*American Society for Engineering Education*

Jane Fraser, Ph.D.  
Colorado State University, Pueblo

Baha Jassemnejad, Ph.D.  
ASRC Federal System Solutions, Federal Aviation Administration (FAA), Oklahoma Communication Engineering Team and Telecommunications Team

Teri Reed, Ph.D.  
University of Cincinnati

Chell Roberts, Ph.D.  
University of San Diego

Lisa A. Zidek, Ph.D.  
Florida Gulf Coast University

**ASHRAE**

*American Society of Heating, Refrigerating, and Air-Conditioning Engineers*

Mansour Zenouzi, Ph.D., P.E, F.ASME  
Wentworth Institute of Technology

**ASME**

*American Society of Mechanical Engineers*  
N.K. Anand, Ph.D.  
Texas A&M University

John Crepeau, Ph.D., P.E.  
University of Idaho

John Gardner, Ph.D., P.E.  
Boise State University

Karl I. Jacob, Ph.D., P.E.  
Georgia Institute of Technology

William M. Jordan, Ph.D., P.E.  
Baylor University

Allan T. Kirkpatrick, Ph.D.  
Colorado State University, Fort Collins

Joseph C. Musto, Ph.D., P.E.  
South Dakota School of Mines and Technology

Arnoldo Muyschondt, Ph.D., P.E.  
Sandia National Laboratories

Dennis O'Neal, Ph.D., P.E.  
Baylor University

Bipin Pai, Ph.D.  
Professor Emeritus  
Purdue University Northwest

Jay Raja, Ph.D.  
University of North Carolina at Charlotte

Risa J. Robinson, Ph.D.  
Rochester Institute of Technology

Marco E. Sanjuan, Ph.D., P.E.  
PROMIGAS S.A. E.S.P.

Ronald Smelser, Ph.D., P.E.  
University of North Carolina at Charlotte

Andrew Neil Smith, Ph.D.  
United States Naval Academy

Richard N. Smith, Ph.D.  
Rensselaer Polytechnic Institute

Sriram Sundararajan, Ph.D.  
Iowa State University

Ahmet S. Yigit, Ph.D.  
Kuwait University

**BMES**

*Biomedical Engineering Society*

Jennifer Amos, Ph.D.  
University of Illinois, Urbana-Champaign

Paul J. Benkeser, Ph.D.  
Georgia Institute of Technology

Daniel Cavanagh, Ph.D.  
Bucknell University

# 2021–2022 Engineering Accreditation Commission (EAC)

Noshir A. Langrana, Ph.D.  
Rutgers University

Jon Moon, Ph.D.  
MEI Research, Ltd.

Jennifer S. Wayne, Ph.D.  
Virginia Polytechnic  
Institute and State  
University

**CSAB**

Noureddine Abbadeni,  
Ph.D.  
King Saud University

Kevin MacGregor Adams,  
Ph.D.  
University of Maryland  
Global Campus

David A. Dampier, Ph.D.  
Marshall University

John K. Estell, Ph.D.  
Ohio Northern University

**IEEE**

*Institute of Electrical and  
Electronics Engineers*

Perry K. Falk, Ph.D., P.E.  
Purdue University,  
Fort Wayne

Frances Harackiewicz,  
Ph.D., P.E.  
Southern Illinois University,  
Carbondale

Stephen Horan, Ph.D.  
NASA Langley  
Research Center

Douglas W. Jacobson,  
Ph.D.  
Iowa State University

C. Steven Lingafelt, M.S.  
IBM

Douglas Lyon, Ph.D., P.E.  
Fairfield University

Phanindra K. Mannava,  
Ph.D.  
ARM

Claire McCullough,  
Ph.D., P.E.  
High Point University

Russ Meier, Ph.D.  
Milwaukee School  
of Engineering

George E. Nasr, Ph.D.  
Lebanese American  
University

Lance C. Perez, Ph.D.  
University of Nebraska,  
Lincoln

Reginald J. Perry, Ph.D.  
Florida A&M University

Gerald H. Thomas, Ph.D.  
Self Employed

Raman M. Unnikrishnan,  
Ph.D.  
California State  
University, Fullerton

Robert J. Voigt, Ph.D.  
Northrop Grumman  
Corporation Mission  
Systems

Douglas B. Williams,  
Ph.D., P.E.  
Georgia Institute  
of Technology

Sally Louise Wood, Ph.D.  
Santa Clara University

Chai Wah Wu, Ph.D.  
IBM

**IISE**

*Institute of Industrial  
and Systems Engineers*

Rajan Batta, Ph.D.  
University at Buffalo

LuAnn Sims Carpenter,  
Ph.D.  
Auburn University

Sunderesh S. Heragu, Ph.D.  
Oklahoma State University

Denise Ford Jackson,  
Ph.D., P.E.  
University of Tennessee,  
Space Institute

Keith A. Johnson, MBA, P.E.  
Dominion Energy Utah

Abu S. M. Masud, Ph.D., P.E.  
Professor Emeritus  
Wichita State University

Hamid R. Parsaei, Ph.D., P.E.  
Texas A&M University

Edward Pines, Ph.D.  
New Mexico State  
University

Lesley Strawderman,  
Ph.D., P.E.  
Mississippi State  
University

**INCOSÉ**

*The International Council  
on Systems Engineering*

Dick Fairley, Ph.D.  
Systems and Software  
Engineering Associates  
(S2EA)

Young B. Moon, Ph.D., P.E.  
Syracuse University

**ISA**

*International Society  
of Automation*

Scott W. Sommer, M.E., P.E.  
DPS Group Global

**NCEES**

*National Council of  
Examiners for Engineering  
and Surveying*

Steven F. Barrett, Ph.D., P.E.  
University of Wyoming

**NSPE**

*National Society of  
Professional Engineers*

Olga Pierrakos, Ph.D.  
James Madison University

**NSPS**

*National Society of  
Professional Surveyors*

Stacey Duane Lyle,  
Ph.D., L.S.  
Texas A&M University

**SAE International**

Peter D. Jones, Ph.D., P.E.  
Auburn University

Daniel J. Weinacht,  
Ph.D., P.E.  
Sargent & Lundy

**SFPE**

*Society of Fire Protection  
Engineers*

Aixi Zhou,  
Ph.D., P.E., F.SFPE  
North Carolina  
A&T State University

# 2021–2022 Engineering Accreditation Commission (EAC)

---

## SME

Kolleen L. Schneider, M.S.  
Andersen Corporation

Iqbal Shareef,  
Ph.D., P.E., CMfgE  
Bradley University

---

## SME-AIME

*Society for Mining,  
Metallurgy, and  
Exploration*

Rick Q. Honaker, Ph.D.  
University of Kentucky

Joel S. Kuszmaul, Ph.D., P.E.  
Merrimack College

---

## SNAME

*Society of Naval  
Architects and  
Marine Engineers*

James H. Miller, Sc.D., P.E.  
University of Rhode Island

Katherine Terwilliger, M.S.  
Naval Surface Warfare  
Center - Carderock  
Division

---

## SPE

*Society of Petroleum  
Engineers*

Robert Chase, Ph.D., P.E.

Jason Wayne Hall,  
MBA, P.E.  
Apache Corporation

---

## SPIE

*The International Society  
for Optics and Photonics*

Eric G. Johnson, Ph.D.  
Clemson University

---

## TMS

*The Minerals, Metals  
and Materials Society*

Diane Elizabeth Albert,  
J.D., Ph.D.  
The Law Office of Diane  
Albert

Emily L. Allen, Ph.D.  
California State University,  
Los Angeles

Chester J. Van Tyne,  
Ph.D., P.E.  
Virginia Polytechnic  
Institute and State  
University

Charles Ward, Ph.D.  
Air Force Research  
Laboratory

# 2021–2022 Engineering Technology Accreditation Commission (ETAC)

## OFFICERS

### Chair

April Cheung, M.S., MBA  
Purdue University

### Chair-Elect

Carol E. Schulte, M.S.  
McNeese State University  
(retired)

### Past Chair

Scott Danielson,  
Ph.D., P.E.  
Arizona State University

### Vice Chair-Operations

Raju S. Dandu, Ph.D.  
Kansas State University

### Members-at-Large

Venancio L. Fuentes,  
M.S., P.E.  
County College of Morris

Mark D. Lower, Ph.D.  
UT-Battelle, LLC

Martin A. Reed, Ph.D.  
Georgetown University

Harrie J. Stevens, Ph.D.  
Professor Emeritus  
Alfred University

### Public Commissioner

Steven Browning, M.Ed.

### Board Area Delegation Chair

Lorraine A. Kapka,  
M.S., P.E.  
Professor Emeritus,  
Sinclair Community  
College

## COMMISSION MEMBERS

### AAEES

*American Academy of  
Environmental Engineers  
and Scientists*  
Sharon Andrea Jones,  
Ph.D., P.E.  
University of Washington,  
Bothell

Berrin Tansel, Ph.D., P.E.  
Florida International  
University

### ACerS

*The American Ceramic  
Society*  
William F. Hammett,  
Ph.D.  
Sandia National  
Laboratories

### AIAA

*American Institute  
of Aeronautics and  
Astronautics*  
Mohammad Javed Khan,  
Ph.D.  
Tuskegee University

### AICHE

*American Institute of  
Chemical Engineers*  
Raja Aravamuthan, Ph.D.  
Western Michigan  
University

### ANS

*American Nuclear Society*  
Kenneth S. Allen, Ph.D., P.E.  
United States Military  
Academy

### ASABE

*American Society of  
Agricultural and Biological  
Engineers*  
Gary A. Clark, Ph.D., P.E.  
Kansas State University

### ASCE

*American Society of Civil  
Engineers*  
Ciro Capano, P.E., LEED AP  
Private Consulting

Michael J. Hagenberger,  
Ph.D., P.E.  
The Ohio State University

Ben J. Stuart, Ph.D., P.E.  
Old Dominion University

### ASEE

*American Society for  
Engineering Education*  
Elaine M. Cooney\*, M.S.  
IUPUI

Clay S. Gloster, Ph.D.  
North Carolina  
A&T State University

Keith V. Johnson, Ph.D.  
East Tennessee State  
University

### ASHRAE

*American Society of  
Heating, Refrigerating,  
and Air-Conditioning  
Engineers*  
Robert Rudolph Bittle,  
Ph.D., P.E.  
Texas Christian University

### ASME

*American Society of  
Mechanical Engineers*  
Cynthia Bracht, MBA, P.E.  
Marvin Windows & Doors

Beth A. Carle, Ph.D.  
Rochester Institute  
of Technology

Maureen J. Hart, M.S., P.E.  
Walt Disney Imagineering

Hy D. Tran, Ph.D., P.E.  
Sandia National  
Laboratories

### CMAA

*Construction Management  
Association of America*  
Anthony David Greiner,  
M.S., P.E., CCM  
Hazen & Sawyer, PC

### CSAB

Virginia W. Ross, Ph.D.  
Air Force Institute of  
Technology - Graduate  
School of Engineering  
& Management

Judith Solano, Ph.D.  
University of North Florida

### IEEE

*Institute of Electrical and  
Electronics Engineers*  
Nasser Alaraje, Ph.D.  
University of Toledo

Walter O. Burns, M.S.  
Metropolitan State  
University of Denver

Ilya Grinberg, Ph.D.  
SUNY Buffalo State

Mary Marchegiano, M.S.

Ghassan A. Salim, P.E.  
Youngstown State  
University

Rich Warren, M.S.

### IISE

*Institute of Industrial and  
Systems Engineers*  
M. Affan Badar, Ph.D.  
Indiana State University

# 2021–2022 Engineering Technology Accreditation Commission (ETAC)

---

## ISA

*International Society of  
Automation*

Kelvin Todd Erickson,  
Ph.D., P.E.

Missouri University of  
Science and Technology

---

## NCEES

*National Council of  
Examiners for Engineering  
and Surveying*

Gary William Thompson,  
PLS

North Carolina Geodetic  
Survey

---

## NSPS

*National Society of  
Professional Surveyors*

Laramie V. Potts,  
Ph.D., MBA, GISP

New Jersey Institute  
of Technology

---

## SAE International

Mohamed E. M. El-Sayed,  
Ph.D., P.E.

Eastern Michigan  
University

---

## SME

John L. Irwin, Ed.D.  
Michigan Technological  
University

Michael D. Johnson, Ph.D.  
Texas A&M University

Morteza Sadat-Hossieny,  
Ph.D.

Northern Kentucky  
University

---

## SNAME

*Society of Naval  
Architects and Marine  
Engineers*

David C. Clippinger,  
Ph.D., P.E.

Pennsylvania State  
University, Behrend

---

## SPE

*Society of Petroleum  
Engineers*

Shirish L. Patil, Ph.D.

King Fahd University of  
Petroleum and Minerals

# 2021–2022 Team Chairs

Team Chairs have demonstrated technical competency and applied knowledge of accreditation criteria, policies and procedures. They are experienced Program Evaluators who lead reviews and interact with the institutional representatives. We owe a debt of gratitude for their dedication and service to ABET and their professions. The following individuals served as Team Chairs for at least one evaluation visit during the 2021-2022 accreditation cycle.

**Noureddine Abbadeni, Ph.D.**  
King Saud University

**Kevin M. Adams**  
University of Maryland  
Global Campus

**Mahesh C. Aggarwal, Ph.D.**  
Gannon University

**Magdy Akladios, Ph.D., P.E.**  
University of Houston,  
Clear Lake

**Ala Al-Fuqaha, Ph.D.**  
Western Michigan  
University

**Nasser Alaraje, Ph.D.**  
University of Toledo

**Diane E. Albert, J.D.**  
The Law Office of Diane  
Albert

**Emily L. Allen, Ph.D.**  
California State University,  
Los Angeles

**Sue Ann B. Allen, Ph.D.**  
University of Pennsylvania

**Kenneth S. Allen, Ph.D., P.E.**  
United States Military  
Academy

**Sherif G. Aly Ahmed, Ph.D., P.E.**  
The American University  
in Cairo

**Jennifer Amos, Ph.D.**  
University of Illinois  
at Urbana-Champaign

**Nagamangala K. Anand, Ph.D., P.E.**  
Texas A & M University,  
College Station

**Raja Aravamuthan, Ph.D.**  
Western Michigan  
University

**Mark R. Archambault, Ph.D.**  
Florida Institute  
of Technology

**Erian Armanios, Ph.D.**  
The University  
of Texas at Arlington

**Asai Asaithambi, Ph.D.**  
University of North Florida

**John O. Attia, Ph.D., P.E.**  
Prairie View  
A&M University

**James H. Aylor, Ph.D.**  
University of Virginia

**M. Affan Badar, Ph.D.**  
Indiana State University

**Kenneth S. Ball, Ph.D., P.E.**  
George Mason University

**Amitabha (Amit) Bandyopadhyay, Ph.D., P.E.**  
State University of New  
York - Farmingdale State  
College

**Steven F. Barrett, Ph.D., P.E.**  
University of Wyoming

**Oscar Barton, Ph.D., P.E.**  
Morgan State University

**Rajan Batta, Ph.D.**  
University at Buffalo

**Paul J. Benkeser, Ph.D.**  
Georgia Institute  
of Technology

**Bruce W. Berdanier, P.E.**  
South Dakota State  
University

**Bopaya Bidanda, Ph.D.**  
University of Pittsburgh

**David Binning, M.C.E., P.E.**  
George Mason University

**Nancy Birkenheuer, M.S.**  
Regis University

**Benjamin J. Bishop, Ph.D.**  
University of Scranton

**Robert R. Bittle, Ph.D., P.E.**  
Texas Christian University

**Jean R. Blair, Ph.D.**  
United States Military  
Academy

**Daisie Boettner, Ph.D., P.E.**  
Retired

**Leonard J. Bohmann, Ph.D., P.E.**  
Michigan Technological  
University

**Andrew S. Borchers**  
Lipscomb University

**Dennis Bouvier, Ph.D.**  
Southern Illinois University,  
Edwardsville

**Cynthia Bracht, MBA, P.E.**  
Marvin Windows & Doors

**M. Patricia Brackin, Ph.D., P.E.**  
Rose-Hulman Institute  
of Technology

**R. M. Bricka, Ph.D.**  
Mississippi State  
University

**William H. Burkett, Ph.D.**

**Gerald Burnham, Ph.D., P.E.**  
The University of Texas  
at Dallas

**Walter O. Burns, M.S.**  
Metropolitan State  
University of Denver

**Lawrence M. Butkus, Ph.D., P.E.**  
Miami University - Oxford

**Rob Byrd, Ed.D.**  
Northrop Grumman  
Defense Systems

**Richard Cai, Ph.D.**  
Colorado Technical  
Universit, Colorado Springs

**Mark P. Cal, Ph.D., P.E.**  
New Mexico State  
University

**Janet M. Callahan, Ph.D., P.E.**  
Michigan Technological  
University

**Ciro Capano, P.E., LEED AP**  
Private Consulting

**Beth A. Carle, Ph.D.**  
Rochester Institute of  
Technology

**LuAnn Sims Carpenter, Ph.D.**  
Auburn University

**Curtis A. Carver, Ph.D.**  
University of Alabama at  
Birmingham

**Daniel Cavanagh, Ph.D.**  
Bucknell University

**James Anthony Cercone, Ph.D., P.E.**  
Preiser Scientific

**Robert Chase, Ph.D., P.E.**  
Retired

**April Cheung, M.S., MBA**  
Purdue University

**Lizette Chevalier, Ph.D., P.E.**  
University of New Orleans

**David A. Chin, Ph.D., P.E.**  
University of Miami

**Jason W. Christian, M.S.**  
Liberty University

**Ann D. Christy, Ph.D., P.E.**  
Ohio State University,  
Main Campus

**Gary A. Clark, Ph.D., P.E.**  
Kansas State University

**David C. Clippinger, Ph.D., P.E.**  
Pennsylvania State  
University, Penn State  
Erie-Behrend College

**Richard P. Coe, Ph.D.**  
Thomas Edison State  
University

# 2021–2022 Team Chairs

Team Chairs have demonstrated technical competency and applied knowledge of accreditation criteria, policies and procedures. They are experienced Program Evaluators who lead reviews and interact with the institutional representatives. We owe a debt of gratitude for their dedication and service to ABET and their professions. The following individuals served as Team Chairs for at least one evaluation visit during the 2021-2022 accreditation cycle.

**Elaine M. Cooney, M.S.\***  
IUPUI

**David W. Cordes, Ph.D.**  
The University of Alabama

**John Crepeau, Ph.D., P.E.**  
University of Idaho

**Bill “Vasilios” Dafnis, Ph.D., PMP**  
Seminole State College of Florida

**Kevin Daimi, Ph.D.**  
University of Detroit Mercy

**David A. Dampier, Ph.D.**  
Marshall University

**Raju S. Dandu, Ph.D.**  
Kansas State University, Polytechnic Campus

**Scott Danielson, Ph.D., P.E.**  
Arizona State University, Tempe

**Venu Gopal Dasigi, Ph.D.**  
Bowling Green State University

**Brahma Dathan, Ph.D.**  
Metropolitan State University

**Ruth E. Davis, Ph.D.**  
Santa Clara University

**Donald S. Delikat, MBA**  
MA Department of Labor Standards

**Norman D. Dennis, Ph.D., P.E. D.GE**  
University of Arkansas

**Bret J. Detillier, M.B.A.**  
University of Houston

**Geoffrey Dick, Ph.D.**  
St. John's University, New York

**Ronald P. Doyle, Ph.D.**  
Wake Forest University

**Joseph Jones Ekstrom, Ph.D.**  
Brigham Young University

**Omar El-Gayar, Ph.D.**  
Dakota State University

**Mohamed E. M. El-Sayed, Ph.D., P.E.**  
Eastern Michigan University

**Khaled ElMahgoub, MBA**  
Philips

**Richard Enbody, Ph.D.**  
Michigan State University

**Kelvin T. Erickson, Ph.D., P.E.**  
Missouri University of Science and Technology

**John K. Estell, Ph.D.**  
Ohio Northern University

**Dick Fairley, Ph.D.**  
Systems and Software Engineering Associates (S2EA)

**Perry K. Falk, Ph.D., P.E.**  
Purdue University at Fort Wayne

**Mark O. Federle, Ph.D., P.E., NAC**  
Marquette University

**Jeffrey W. Fergus, Ph.D., P.E.**  
Auburn University

**Leslie D. Fife, AAS**  
The Church of Jesus Christ of Latter-day Saints

**Lorraine Fleming, Ph.D., P.E.**  
Howard University

**Regina Ford Cahill, M.S.**  
Pratt Institute-Main

**Sam K. Formby, Ph.D.**  
Retired

**Guillermo A. Francia III, Ph.D.**  
The University of West Florida

**Linda Franzoni, Ph.D.**  
Duke University

**Jane Fraser, Ph.D.**  
Colorado State University, Pueblo

**Muztaba Fuad, Ph.D.**  
Winston-Salem State University

**Venancio L. Fuentes, P.E.**  
County College of Morris

**Karen Fujikawa, M.S., P.E.**  
Westinghouse Electric Company

**John Gardner, Ph.D., P.E.**  
Boise State University

**Larry D. Gaultney, Ph.D., F.ASABE**  
Haveawonderfulday LLC

**Anne M. Germain, M.E., P.E.**  
National Waste & Recycling Association

**David S. Gibson, Ph.D.**  
United States Air Force Academy

**Clay S. Gloster, M.Div., P.E.**  
North Carolina A&T State University

**Sandra Gorka, Ph.D.**  
Pennsylvania College of Technology

**Mary Lou Dunzik Gougar, Ph.D.**  
Idaho State University

**Mary J. Granger, Ph.D.**  
George Washington University

**Monica Gray, Ph.D., P.E.**  
The University of Texas of the Permian Basin

**Alice Greife, Ph.D., CIH**  
University Of Central Missouri

**Anthony D. Greiner, M.S., P.Eng.**  
Hazen & Sawyer, PC

**Ilya Grinberg, Ph.D.**  
SUNY Buffalo State

**Adiel Guinzburg, MBA**  
The Boeing Company

**Michael J. Hagenberger, Ph.D., P.E.**  
Ohio State University-Main Campus

**Thomas M. Hall, Ed.D.**  
Northwestern State University of Louisiana

**Jason W. Hall, MBA, P.E.**  
Apache Corporation

**William F. Hammetter, Ph.D.**  
Sandia National Laboratories

**David R. Hammond, Ph.D.**  
Hammond International Group

**Frances Harackiewicz, Ph.D., P.E.**  
Southern Illinois University Carbondale

**Haidar M. Harmanani, Ph.D.**  
Lebanese American University

**Frederick C. Harris, Ph.D.**  
University of Nevada, Reno

**Maureen J. Hart, M.S., P.E.**  
Walt Disney Imagineering

**Edwin A. Harvego, M.S., P.E.**  
Retired

**Sunderesh S. Heragu, Ph.D.**  
Oklahoma State University

**Darryl C. Hill, Ph.D., CSP**  
FirstGroup America, Inc.

**Michael C. Hirschi, Ph.D., P.E.**  
University of Illinois at Urbana-Champaign

\*denotes partial term



# 2021–2022 Team Chairs

Team Chairs have demonstrated technical competency and applied knowledge of accreditation criteria, policies and procedures. They are experienced Program Evaluators who lead reviews and interact with the institutional representatives. We owe a debt of gratitude for their dedication and service to ABET and their professions. The following individuals served as Team Chairs for at least one evaluation visit during the 2021-2022 accreditation cycle.

**Jeffery P. Hollingsworth, M.S., L.S.**  
Michigan Technological University

**Rick Q. Honaker, Ph.D.**  
University of Kentucky

**Stephen Horan, Ph.D.**  
NASA Langley Research Center

**Mohammad H. Hosni, Ph.D.**  
Kansas State University

**Chenglie Hu, Ph.D.**  
Carroll University

**Peter J. Hutchison, B.S., L.S.**  
Self Employed

**Neil Hutzler, Ph.D., P.E.**  
Michigan Technological University

**John L. Irwin, Ed.D.**  
Michigan Technological University

**Stephen Y. Itoga, Ph.D.**  
University of Hawaii at Manoa

**Denise Ford Jackson, Ph.D., P.E.**  
University of Tennessee, Space Institute

**Karl I. Jacob, Ph.D., P.E.**  
Georgia Institute of Technology

**Sonia Maassel Jacobsen, MSCE, P.E.**  
University of Minnesota, Twin Cities

**Carolyn M. Jacobson, MIS, AACSB**  
Pennsylvania State University

**Douglas W. Jacobson, Ph.D.**  
Iowa State University

**Gregg M. Janowski, Ph.D.**  
University of Alabama at Birmingham

**Baha Jassemnejad, Ph.D.**  
ASRC Federal System Solutions, Federal Aviation Administration (FAA), Oklahoma

Communication Engineering Team and Telecommunications Engineering Team

**David W. Jensen, Ph.D., P.E.**  
Jensen Technologies LLC

**Stephen M. Jodis, Ph.D.**  
Saint Vincent College

**David J. John, Ph.D.**  
Wake Forest University

**Keith A. Johnson, MBA, P.E.**  
Dominion Energy Utah

**Keith V. Johnson, Ph.D.**  
East Tennessee State University

**Michael D. Johnson, Ph.D.**  
Texas A&M University, College Station

**Peter D. Jones, Ph.D., P.E.**  
Auburn University

**William M. Jordan, Ph.D., P.E.**  
Baylor University

**Swami Karunamoorthy, D.Sc.**  
Washington University St. Louis

**Nathan M. Kathir, Ph.D., P.E.**  
George Mason University

**Jeffrey R. Keaton, Ph.D., P.E.**  
Wood Environment & Infrastructure Solutions, Inc.

**Ann L. Kenimer, Ph.D.**  
Texas A&M University, College Station

**Ken E. Kennedy, Ph.D.**  
Fulfilld.io

**Mohammad J. Khan, Ph.D.**  
Tuskegee University

**Allan T. Kirkpatrick, Ph.D., P.E.**  
Colorado State University, Fort Collins

**Gabor Kiss, Ph.D.**  
ExxonMobil Research & Engineering Co.

**Joseph M. Kizza, Ph.D.**  
The University of Tennessee, Chattanooga

**Kathleen Kramer, Ph.D.**  
University of San Diego

**Cass D. Kuhl, M.S., P.E.**  
NASA Glenn Research Center

**Stan Kurkovsky, Ph.D.**  
Central Connecticut State University

**Joel S. Kuszmaul, Ph.D., P.E.**  
Merrimack College

**Noshir A. Langrana, Ph.D., P.E.**  
Rutgers University, New Brunswick

**Paulette Lantuh, CSP**  
Kodak Alaris

**Pierre M. Larochelle, Ph.D., P.E.**  
South Dakota School of Mines and Technology

**Jeffrey A. Lasky, Ph.D.**  
Rochester Institute of Technology

**Niaz Latif, Ph.D.**  
Purdue University Northwest

**Steven LeBlanc, Ph.D., P.E.**  
University of Toledo

**Paul M. Leidig, Ph.D.**  
Grand Valley State University

**Randy S. Lewis, Ph.D.**  
Brigham Young University, Provo

**C. Steven Lingafelt, M.S.**  
IBM

**James A. Lookadoo, Ph.D., P.E.**

**Kevin W. Love, CCM, P.E.**  
Jacobs

**Mark D. Lower, Ph.D., P.E.**  
UT-Battelle, LLC.

**Stacey D. Lyle, Ph.D., L.S.**  
Texas A&M University, College Station

**Douglas Lyon, Ph.D.**  
Fairfield University

**Daniela Mainardi, Ph.D.**  
Louisiana Tech University

**Paul K. Male, P.E., L.S.**  
Hudson Valley Community College

**Phanindra K. Mannava, Ph.D.**  
ARM

**Lois Mansfield, M.S.**  
Raytheon Company (Retired)

**Mary Marchegiano, M.S.**  
Delaware Technical Community College, Stanton/Wilmington

**Kera Mariotti, MGIS, L.S.**  
Canada Land Surveying

**Abu S.M. Masud, Ph.D., P.E.**  
Wichita State University

**W. Vance McCollough, Ph.D.**  
University of Massachusetts-Dartmouth

**Alon V. McCormick, Ph.D.**  
University of Minnesota

# 2021–2022 Team Chairs

Team Chairs have demonstrated technical competency and applied knowledge of accreditation criteria, policies and procedures. They are experienced Program Evaluators who lead reviews and interact with the institutional representatives. We owe a debt of gratitude for their dedication and service to ABET and their professions. The following individuals served as Team Chairs for at least one evaluation visit during the 2021-2022 accreditation cycle.

**Claire McCullough, Ph.D., P.E.**  
High Point University

**Timothy J. McGuire, Ph.D.**  
Texas A & M University

**Russell McMahon**  
University of Cincinnati

**Bruce McMillin, Ph.D.**  
Missouri University of Science and Technology

**Russ Meier, Ph.D.**  
Milwaukee School of Engineering

**Sigurd Meldal, Sc.D.**  
Mostly Sunny LLC

**Walid A. Metwally, Ph.D., MBA**  
Oak Ridge National Laboratory

**Marina Miletic, Ph.D.**  
Miletic Consulting

**James H. Miller, Sc.D.**  
University of Rhode Island

**Martha C. Mitchell, Ph.D.**  
New Mexico State University

**Jon Moon, BME, Ph.D.**  
MEI Research, Ltd

**Young B. Moon, Ph.D., P.E.**  
Syracuse University

**Keith A. Morneau, Ed.D.**  
ECPI University

**Scott Murray, MBA**  
ProCore Technologies

**Prahlad N. Murthy, Ph.D., P.E.**  
Wilkes University

**Joseph C. Musto, Ph.D., P.E.**  
South Dakota School of Mines and Technology

**Arnoldo Muyshondt, Ph.D., P.E.**  
Sandia National Laboratories

**Kristine S. Nagel, Ph.D.**  
Georgia Institute of Technology

**J. Torey Nalbone, Ph.D., CIH**  
The University of Texas at Tyler

**George E. Nasr, Ph.D.**  
Lebanese American University

**Murray G. Norton, Ph.D.**  
Washington State University

**Dennis O'Neal, Ph.D., P.E.**  
Baylor University

**Kimberly L. Ogden, Ph.D.**  
University of Arizona

**Jack O. Ogutu, Ph.D., CSP**  
Millersville University of Pennsylvania

**Amos O. Olagunju, Ed.D.**  
Saint Cloud State University

**Richard Olawoyin, Ph.D., P.E.**  
Oakland University

**David H. Olwell, Ph.D.**  
Saint Martin's University

**John A. Orr, Ph.D.**  
Worcester Polytechnic Institute

**Michael Oudshoorn, Ph.D.**  
High Point University

**Bipin Pai, Ph.D.**  
Purdue University Northwest

**Raymond Papp, Ph.D.**  
The University of Tampa

**Hamid R. Parsaei, Ph.D., P.E.**  
Texas A&M University

**Shirish L. Patil, Ph.D.**  
King Fahd University of Petroleum and Minerals

**Jody Paul, Ph.D.**  
Metropolitan State University of Denver

**Yvette E. Pearson, Ph.D., P.E.**  
The Pearson Evaluation and Education Research (PEER) Group

**Lance C. Perez, Ph.D.**  
University of Nebraska, Lincoln

**Reginald J. Perry, Ph.D.**  
Florida A&M University, Florida State University

**Olga Pierrakos, Ph.D.**  
James Madison University

**Edward Pines, Ph.D.**  
New Mexico State University–Main Campus

**Shari Plantz-Masters, Ph.D.**  
Regis University

**James R. Plasker, M.S., P.E.**  
American Society for Photogrammetry and Remote Sensing

**Rebecca Y. Popeck, PLS**  
SPACECO, Inc.

**George Pothering, Ph.D.**  
College of Charleston

**Laramie V. Potts, MBA, GISP**  
New Jersey Institute of Technology

**Annu S. Prabhakar, Ph.D.**  
University of Cincinnati

**Daniel Pradel, Ph.D., P.E.**  
University of California, Los Angeles

**Michael E. Prudich, Ph.D.**  
Ohio University

**Safwan Qasem, Ph.D.**  
King Saud University

**Jason G. Racette, M.S., L.S.**  
Boundary Consulting Experts, LLC

**Sridhar Radhakrishnan, Ph.D.**  
University of Oklahoma, Norman Campus

**Rajendra K. Raj, Ph.D.**  
Rochester Institute of Technology

**Jay Raja, Ph.D.**  
University of North Carolina at Charlotte

**Herbert M. Raybourn, P.E., FASCE**  
RESPEC

**Teri Reed, Ph.D.**  
University of Cincinnati

**Martin A. Reed, Ph.D., PMP**  
Georgetown University

**Donna Reese, Ph.D.**  
Mississippi State University

**Richard (Rich) A. Reid, Ph.D., P.E.**  
South Dakota State University

**Harry L. Reif, Ph.D.**  
James Madison University

**Brian J. Reithel, Ph.D.**  
University of Mississippi

**Dan Resler, Ph.D.**  
Virginia Commonwealth University

**Peyton C. Richmond, Ph.D., P.E.**  
Lamar University

**Chell Roberts, Ph.D.**  
University of San Diego

**Risa J. Robinson, Ph.D.**  
Rochester Institute of Technology

# 2021–2022 Team Chairs

Team Chairs have demonstrated technical competency and applied knowledge of accreditation criteria, policies and procedures. They are experienced Program Evaluators who lead reviews and interact with the institutional representatives. We owe a debt of gratitude for their dedication and service to ABET and their professions. The following individuals served as Team Chairs for at least one evaluation visit during the 2021-2022 accreditation cycle.

**Virginia W. Ross, Ph.D.**  
Air Force Institute of  
Technology- Graduate  
School of Engineering  
& Management

**Diane T. Rover, Ph.D.**  
Iowa State University

**James E. Rowings,  
Ph.D., P.E.**  
Peter Kiewit Sons' Inc.

**Anthony S. Ruocco,  
Ph.D., P.E.**  
Roger Williams University

**Richard L. Rye, M.S., CCM**  
RICHARD L RYE,  
Consulting, LLC

**Lisa C. Sachs,  
B.Arch., CCM**  
Cumming

**Morteza Sadat-Hossieny,  
Ph.D.**  
Northern Kentucky  
University

**Yasser Salem, Ph.D., S.E.**  
California State  
Polytechnic University,  
Pomona

**Joseph E. Saliba, Ph.D., P.E.**  
University of Dayton

**Ghassan A. Salim, P.E.**  
Youngstown State  
University

**Mohammed Samaka, Ph.D.**  
  
**Marco E. Sanjuan,  
Ph.D., P.E.**  
PROMIGAS S.A. E.S.P.

**Sanjiv Sarin, Ph.D., P.E.**  
North Carolina  
A&T State University

**Camilla M. Saviz, Ph.D., P.E.**  
University of the Pacific

**Philip A. Schenewerk, Ph.D.,  
P.E., P.G.**  
The Lacombe Group, LLC

**Kolleen L. Schneider, M.S.**  
Andersen Corproation

**Francis J. Schork,  
Ph.D., P.E.**  
Georgia Institute  
of Technology

**Steven Schreiner, Ph.D., P.E.**  
Manhattan College

**Carol Ellen Schulte,  
M.S., D.E., M.E.M.**  
McNeese State University

**Sanaa Sharafeddine, Ph.D.**  
American University  
of Beirut

**Iqbal Shareef,  
Ph.D., P.E., CMfgE**  
Bradley University

**Youssef Shatilla, D.Sc.**  
Masdar Institute of  
Science and Technology

**Thomas C. Sheahan,  
Sc.D., P.E.**  
Northeastern University

**David L. Shroads, D.Sc.**  
Apollo Education Group  
(AEG)

**Mohsin K. Siddiqui,  
Ph.D., P.E.**  
University of Delaware

**David Lawrence  
Silverstein, Ph.D., P.E.**  
University of Kentucky

**VLN Simhan, Ph.D., P.E.**  
RGM College of  
Engineering and  
Technology

**Ronald Smelser, Ph.D., P.E.**  
University of North  
Carolina at Charlotte

**Randy K. Smith, Ph.D.**  
The University of Alabama

**Richard N. Smith, Ph.D.**  
Rensselaer Polytechnic  
Institute

**Kevin Smith, Ph.D.**  
Al Akhawayn University

**Andrew N. Smith, Ph.D.**  
United States Naval  
Academy

**Stephanie Smullen, Ph.D.**  
Retired

**Edward Sobiesk,  
Ph.D., CISSP**  
United States Military  
Academy

**Judith L. Solano, Ph.D.**  
University of North Florida

**Scott W. Sommer,  
M.Eng., P.E.**  
DPS Group Global

**Neelam Soundarajan, Ph.D.**  
Ohio State University

**Amanda Stent, Ph.D.**  
Colby College

**Ellen W. Stevens, Ph.D., P.E.**  
Consulting Civil Engineer

**Harrie J. Stevens**  
Alfred University

**Lesley Strawderman,  
Ph.D., P.E.**  
Mississippi State University

**Sriram Sundararajan, Ph.D.**  
Iowa State University

**Berrin Tansel, Ph.D., P.E.**  
Florida International  
University

**Chris Taylor, Ph.D.**  
Milwaukee School  
of Engineering

**Katherine Terwilliger, M.S.**  
Naval Surface Warfare  
Center, Carderock Division

**Gerald H. Thomas, Ph.D.**  
Self Employed

**Gary W. Thompson, PLS**  
North Carolina Geodetic  
Survey

**Ernest W. Tollner, Ph.D., P.E.**  
University of Georgia

**Heikki Topi, Ph.D.**  
Bentley University

**Houssam A. Toutanji,  
Ph.D., P.E.**  
California State  
University - Northridge

**Kim W. Tracy, M.S.**  
Rose-Hulman Institute  
of Technology

**Hy D. Tran, Ph.D., P.E.**  
Sandia National  
Laboratories

**Raymond E. Trygstad**  
Illinois Institute  
of Technology

**Albert J. Turner, Ph.D.**  
Clemson University

**Thomas R. Turner, Ph.D.**  
University of Central  
Oklahoma

**Paul T. Tymann, M.S.**  
Rochester Institute  
of Technology

**Raman M. Unnikrishnan,  
BSEE**  
California State  
University, Fullerton

**Joseph E. Urban, Ph.D.**  
Arizona State  
University, Tempe

**David A. Vaccari, Ph.D.,  
P.E., BCEE, FASCE**  
Stevens Institute  
of Technology

**Srinivas R. Vadali, Ph.D.**  
Texas A&M University,  
College Station

**Chester J. Van Tyne,  
Ph.D., P.E.**  
Virginia Polytechnic  
Institute and State  
University

**Yaakov Varol, Ph.D.**  
University of Nevada, Reno

# 2021–2022 Team Chairs

Team Chairs have demonstrated technical competency and applied knowledge of accreditation criteria, policies and procedures. They are experienced Program Evaluators who lead reviews and interact with the institutional representatives. We owe a debt of gratitude for their dedication and service to ABET and their professions. The following individuals served as Team Chairs for at least one evaluation visit during the 2021-2022 accreditation cycle.

**Devarajan Venugopalan, Ph.D.**  
University of Wisconsin,  
Milwaukee

**Robert J. Voigt, Ph.D.**  
Northrop Grumman  
Corporation Mission  
Systems

**Marlee A. Walton, P.E., PLS**  
Iowa State University

**Andy Ju An Wang, Ph.D.**  
Northern Arizona  
University

**Pearl Y. Wang, Ph.D.**  
George Mason University

**Christopher Ward, Ph.D.**  
UBS

**Charles Ward, Ph.D.**  
Air Force Research  
Laboratory

**Rich Warren, ABD**

**Jennifer S. Wayne, Ph.D.**  
Virginia Polytechnic  
Institute and State  
University

**Daniel J. Weinacht,  
Ph.D., P.E.**  
Sargent & Lundy

**Christa M. Weisbrook,  
Ph.D., P.E.**  
University of Missouri

**Valana L. Wells, Ph.D.**  
Arizona State University,  
Tempe

**Patrick Widener, Ph.D.**  
Oak Ridge National  
Laboratory

**Douglas B. Williams,  
Ph.D., P.E.**  
Georgia Institute  
of Technology

**Mary Jane Willshire, Ph.D.**  
Capella University

**Sally L. Wood, Ph.D.**  
Santa Clara University

**Chai Wah Wu, Ph.D.**  
International Business  
Machines

**Ahmet S. Yigit, Ph.D.**  
Kuwait University

**Garry G. Young, MBA, P.E.**  
Retired

**Lu Yuan, Sc.D., CSP**  
Southeastern Louisiana  
University

**Mohamed Y. Zarrugh, Ph.D.**  
James Madison University

**Mansour Zenouzi,  
Ph.D., P.E, F.ASME**  
Wentworth Institute  
of Technology

**Sen Zhang, Ph.D.**  
SUNY College at Oneonta

**Aixi Zhou, Ph.D., P.E.,  
FSFPE**  
North Carolina  
A&T State University

**Lisa A. Zidek, M.S.**  
Florida Gulf Coast  
University

# 2021–2022 Program Evaluators

**Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.**

**AAEES**

*American Academy of Environmental Engineers and Scientists*

Joseph Brown, Ph.D., BCES  
United States Coast Guard Academy

Michael A. Butkus, Ph.D., P.E.  
United States Military Academy

Kumar Ganesan, Ph.D., P.E.  
Montana Tech of the University of Montana

Mark N. Goltz, Ph.D., P.E.  
Air Force Institute of Technology

Jeffrey H. Greenfield, Ph.D., LEED AP, P.E.  
Florida International University

Veera Gnanaswar Gude, Ph.D., P.E.  
Mississippi State University

Charles N. Haas, Ph.D.  
Drexel University

Adrian T. Hanson, Ph.D., P.E.  
University of Minnesota, Duluth

Mark H. Houck, Ph.D., P.E.  
MHH Engineering, LLC

Neil Hutzler, Ph.D., P.E.  
Michigan Technological University

Sarath Chandra K. Jagupilla, Ph.D., P.E.  
Stevens Institute of Technology

M. A. Karim, Ph.D., BCEE, P.E.  
Kennesaw State University

John H. Koon, Ph.D., BCEE, P.E.  
Georgia Institute of Technology, Main Campus

Laura W. Lackey, Ph.D., P.E.  
Mercer University

Yanna Liang, Ph.D., P.E.  
University at Albany, SUNY

Audra N. Morse, Ph.D., BCEE, P.E.  
Michigan Technological University

Prahlad N. Murthy, Ph.D., BCEE, P.E.  
Wilkes University

Kurt Pennell, Ph.D., BCEE, P.E.  
Brown University

LeeAnn Racz, Ph.D., BCEE, CIH, P.E.  
ClearView Environmental Engineering and Consulting, LLC

Glenn W. Rehberger, M.S., BCEE, P.E.  
Retired

Debra R. Reinhart, Ph.D., P.E.  
University of Central Florida

Kelly A. Rusch, Ph.D., BCEE, P.E.  
North Dakota State University

John J. Segna, MBA, BCEE, FASCE, P.E.  
American Society of Civil Engineers

David A. Vaccari, Ph.D., P.E., BCEE, FASCE  
Stevens Institute of Technology

Mark J. Vanarelli, Ph.D., P.E., PG, BCEE, DWRE, FASCE  
United States Department of Energy

**AIAA**

*American Institute of Aeronautics and Astronautics*

Kurt S. Anderson, Ph.D.  
Rensselaer Polytechnic Institute

Douglas Neal Barlow, Ph.D.  
M&N Remodeling LLC

Edward L. Burnett, M.S.  
US Air Force Test Pilot School

Sanjay Garg, Ph.D.  
Garg R&D Solutions

William Garrard, Ph.D.  
University of Minnesota, Twin Cities

Demoz Gebre Egziabher, Ph.D., P.E.  
University of Minnesota, Twin Cities

Kristen Gerzina, M.S.  
Northrop Grumman

Ronald A. Madler, Ph.D.  
Embry-Riddle Aeronautical University-Prescott

Eric A. Mehiel, Ph.D.  
California Polytechnic State University, San Luis Obispo

Richard Melnyk, Ph.D., P.E.  
United States Military Academy

Donald A. Rabern, Ph.D., P.E.  
University of Colorado, Colorado Springs

Farooq Saeed, Ph.D.  
Imam Abdulrahman Bin Faisal University

Robert A. Stuever, Ph.D.  
Textron Aviation Inc

Chelakara S. Subramanian, Ph.D., P.E.  
Florida Institute of Technology

Valana L. Wells, Ph.D.  
Arizona State University, Tempe

**AICHe**  
*American Institute of Chemical Engineers*  
Nader M. Al-Bastaki, Ph.D.  
The Kingdom University

Bassam M. Alhamad, Ph.D.  
University of Bahrain

Daina M. Briedis, Ph.D.  
Michigan State University

Robert B. Coulter, M.S., P.E.  
Chattanooga State Community College

Laura Dietsche, Ch.E., Ph.D., P.E.  
Dow Chemical Company

Gary L. Foutch, Ph.D., P.E.  
University of Missouri, Kansas City

John H. Frey, Ph.D.  
Independent Technical Advisor

Ricardo Gomez-Gonzalez, Ph.D.  
Autonomous University of Nuevo León

Joanna Hambrick,  
ARLANXEO

Thomas R. Hanley, MBA, P.E.  
Auburn University

Walter D. Harding, M.S., P.E.  
University of New Haven

Clifford L. Henderson, Ph.D.  
University of South Florida

Douglass S. Kalika, Ph.D.  
University of Kentucky

# 2021–2022 Program Evaluators

**Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.**

Claire F. Komives,  
Ch.E., Ph.D.  
San Jose State University

Daniel J. Lacks, Ph.D., P.E.  
Case Western  
Reserve University

Steven LeBlanc, Ph.D., P.E.  
University of Toledo

Corey Leclerc, Ph.D., P.E.  
New Mexico Institute  
of Mining and Technology

Daniel Lepek, Ph.D.  
Cooper Union for  
the Advancement  
of Science and Art

Douglas K. Ludlow, Ph.D.  
Missouri University of  
Science and Technology

Sean F. Maloney, Ph.D.  
Avantor, Inc.

David C. Miller, Ph.D.  
National Energy  
Technology Laboratory,  
U.S. Department of Energy

Michael E. Mullins, Ph.D.  
Michigan Technological  
University

Sohail Murad, Ph.D.  
Illinois Institute  
of Technology

Srinivas Palanki, Ph.D.  
West Virginia University

Thatcher W. Root, Ph.D.  
University of Wisconsin-  
Madison

John R. Schlup, Ph.D.  
Kansas State University

Gary M. Scott, Ph.D.  
SUNY College of  
Environmental Science  
and Forestry

Xhavin Sinha, M.Sc., P.E.  
Western Digital  
Corporation

Joseph D. Smith, Ph.D.  
Missouri University of  
Science and Technology

Thomas O. Spicer,  
Ph.D., P.E.  
University of Arkansas

James R. Springstead,  
Ph.D.  
Western Michigan  
University

David Suleiman, Ph.D., P.E.  
University of Puerto Rico,  
Mayaguez

Jean W. Tom, Ph.D.  
Bristol-Myers Squibb

David L. Tomasko, Ph.D.  
Ohio State University

Reginald P. Tomkins, Ph.D.  
New Jersey Institute of  
Technology

Vassilios Tzouanas, Ph.D.  
University of Houston,  
Downtown

Donald P. Visco, Jr., Ph.D.  
University of Akron

Troy J. Vogel, Ph.D.  
University of Notre Dame

Miriam R. Wattenbarger,  
Ph.D.  
University of Pennsylvania

Ronald J. Willey, Ph.D., P.E.  
Northeastern University

Andrew J. Wilson,  
Ph.D., P.E.  
Tulsa Heaters Inc.

Richard L. Zollars,  
Ph.D., P.E.  
Retired

**AIHA**  
*American Industrial  
Hygiene Association*

Jason T. Harris, Ph.D.  
Purdue University

Cheryl L. Marcham, Ph.D.,  
CIH, CSP  
Embry-Riddle  
Aeronautical University,  
Daytona Beach

Ephraim A. Massawe,  
M.S., CIH  
Southeastern Louisiana  
University

Lawrence W. Whitehead,  
Ph.D., CIH  
The University of Texas  
Health Science Center  
at Houston

**ANS**  
*American Nuclear Society*  
Richard P. Coe, Ph.D.  
Thomas Edison State  
University

Chaitanya S. Deo, Ph.D.  
Georgia Institute  
of Technology

**ASABE**  
*American Society  
of Agricultural and  
Biological Engineers*  
Douglas R. Bowman,  
Ph.D., P.E.  
Self-Employed

Thomas J. Brumm, Ph.D.  
Makerere University

Richard A. Cavaletto,  
Ph.D., P.E.  
Rancho CREAM Inc.

Satyanarayan Dev, Ph.D.  
Florida State University

Oladiran Fasina, Ph.D.  
Auburn University

Timothy L. Foutz, Ph.D., P.E.  
University of Georgia

Garey A. Fox, Ph.D., P.E.  
North Carolina State  
University at Raleigh

Robert S. Freeland,  
Ph.D., L.S., P.E.  
GroundScan, LLC

Scott A. Hale, Ph.D.  
North Carolina State  
University at Raleigh

Bingjun B. He, Ph.D., P.E.  
University of Idaho

Michael C. Hirschi,  
Ph.D., P.E.  
University of Illinois  
at Urbana-Champaign

Sonia Maassel Jacobsen,  
MSCE, P.E.  
University of Minnesota,  
Twin Cities

Van C. Kelley, Ph.D., P.E.  
South Dakota State  
University

Ann L. Kenimer, Ph.D., P.E.  
Texas A&M University,  
College Station

Paul H. King, Ph.D., P.E.  
Vanderbilt University

Ajay Kumar, Ph.D., P.E.  
Oklahoma State  
University–Main Campus

Karl L. Linck, MSEM, P.E.  
Karl Linck

Peter A. Livingston,  
Ph.D., P.E.  
Bosque Engineering

Joel R. Peterson, Ph.D., P.E.  
University of Wisconsin,  
River Falls

Scott Pryor, Ph.D.  
North Dakota State  
University

Maher Sabbah, Ph.D., OAE  
Rafik Hariri University

Richard V. Scholtz, Ph.D.  
University of Florida

Donald C. Slack, Ph.D., P.E.  
University of Arizona

Mark R. Wilkins, Ph.D., P.E.  
Kansas State University

Ronald Yoder, Ph.D., P.E.  
University of Nebraska-  
Lincoln

Stephen C. Zahos, MBA  
SpectroClick, Inc.

# 2021–2022 Program Evaluators

**Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.**

**ASCE**

*American Society of Civil Engineers*

Jamal A. Abdalla, Ph.D., P.E.  
American University  
of Sharjah

Caesar Abi Shdid,  
Ph.D., P.E., S.E., F.ASCE  
Lebanese American  
University

Abi Aghayere, Ph.D.  
Drexel University

Ali S. Al Harthy, Ph.D.  
Sultan Qaboos University

Sreenivas Alampalli,  
Ph.D., P.E., MBA, F.ASCE,  
F.SEI  
Prospect Solutions, LLC

Daryl R. Armentrout,  
Ph.D., P.E.  
Professional Practice

Joseph O. Arumala,  
Ph.D., P.E.  
University of Maryland  
Eastern Shore

David B. Ashley, Ph.D.  
University of Dayton

Hossein Ataei, Ph.D., P.E.  
University of Illinois  
at Chicago

Kleio Avrithi, Ph.D., P.E.  
Mercer University

Ashraf Badir, Ph.D., P.E.  
Florida Gulf Coast  
University

Carmine C. Balascio,  
Ph.D., P.E., SITES AP  
University of Delaware

Robert W. Barnes,  
Ph.D., P.E.  
Auburn University

Shannon Bartelt-Hunt,  
Ph.D., P.E.  
University of Nebraska,  
Lincoln

Robert Lawrence Bertini,  
Ph.D., P.E.  
Oregon State University

Deborah Besser, Ph.D., P.E.  
University of St Thomas,  
Saint Paul

Frederick Bloetscher, Ph.D.  
Florida Atlantic University

Phillip E. Borrowman, M.S.  
Retired

Elizabeth Catherine  
Bristow, Ph.D., P.E.  
United States Military  
Academy

James K. Brumbelow,  
Ph.D., ENV SP, P.E.  
Texas A&M University

Leonard W. Casson,  
Ph.D., P.E.  
University of Pittsburgh

Muhammad T. Chaudhary,  
Ph.D., LEED AP, P.E.  
Kuwait University

David A. Chin, Ph.D., P.E.  
University of Miami

Manoj Chopra, Ph.D., P.E.  
University of Central  
Florida

William L. Coulbourne,  
M.E., P.E.  
Self-Employed

Cerasela M. Cristei,  
Ph.D., P.E.  
George Mason University

John L. Daniels, D.Eng., P.E.  
University of North  
Carolina at Charlotte

Anirban De, Ph.D., P.E.  
Manhattan College

Norbert Delatte, Ph.D., P.E.  
Oklahoma State  
University-Main Campus

Norman D. Dennis,  
Ph.D., P.E. D.GE  
University of Arkansas

Manuel A. Diaz, Ph.D., P.E.  
STAR Engineering Group,  
Inc.

Utpal Dutta, Ph.D., P.E.  
University of Detroit Mercy

William W. Edgerton,  
MBA, P.E.  
McMillen Jacobs  
Associates

Ahmed F. Elaksher,  
Ph.D., L.S., P.E.  
New Mexico State  
University

Heather Mackey Ford, M.S.  
Global Training & Events  
Group LLC

Daba Gedafa, Ph.D., P.E.  
University of North Dakota

Bruce Gehrig, Ph.D., P.E.  
Western Carolina  
University

Malay Ghose Hajra,  
Ph.D., P.E.  
University of New Orleans

Charles N. Haas,  
Ph.D., BCEE  
Drexel University

Ahmad Hadavi, Ph.D., P.E.  
Northwestern University

Susan Bogus Halter,  
Ph.D., P.E.  
University of New Mexico

Scott R. Hamilton,  
Ph.D., P.E.  
York College Pennsylvania

Mohamed Hegab, Ph.D.,  
CCM, P.E.  
California State  
vUniversity, Northridge

Yufeng Hu, Ph.D., P.E.  
Western Michigan  
University

E. Scott Huff, M.S., P.E.  
Self-Employed

Suresh Immanuel, Ph.D., P.E.  
University of Evansville

Md R. Islam, Ph.D., P.E.  
Colorado State University,  
Pueblo

Camille Issa, Ph.D., P.E.  
Lebanese American  
University

Honar K. Issa, Ph.D.  
Epsilon House of Engineers

John N. Ivan, Ph.D., P.E.  
University of Connecticut

David W. Jensen, Ph.D., P.E.  
Jensen Technologies LLC

Allen L. Jones, Ph.D., P.E.  
Jones Earth Technologies,  
LLC

Sylvester A. Kalevela,  
Ph.D., P.E.  
Colorado State University,  
Pueblo

Ramanitharan Kandiah,  
Ph.D., P.E.  
Central State University

M. A. Karim, Ph.D., P.E.  
Kennesaw State University

William A. Kitch, P.E.  
Angelo State University

Muthusamy  
Krishnamurthy,  
Ph.D., P.E., CFM.  
Hydro Modeling Inc.

Katie Kuder, Ph.D., P.E.  
Seattle University

Sanjeev Kumar, Ph.D., P.E.  
South Dakota State  
University

Tanya Kunberger, Ph.D., P.E.  
Florida Gulf Coast  
University

Anthony J. Lamanna,  
Ph.D., P.E., F.ACI, F.ASCE  
Lamanna Engineering  
Consultants, LLC

Jay Lee, Ph.D., P.E.  
California Baptist  
University

# 2021–2022 Program Evaluators

**Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.**

Kenneth Lee, Ph.D., P.E.  
Montana Tech of the  
University of Montana

Richard G. Lewis, Ph.D., P.E.  
Lewis Solutions

Douglas M. Mace,  
MSCE, P.E., L.S.  
Retired

Thomas J. Madigan,  
MBA, P.E.  
University of New Mexico

Dintie S. Mahamah,  
Ph.D., P.E.  
Saint Martin's University

Taha F. Marhaba, Ph.D., P.E.  
New Jersey Institute  
of Technology

Eyad Masad, Ph.D., P.E.  
Texas A&M University  
at Qatar

Nancy M. Melby, MAE, P.E.  
LEO A DALY

Karl F. Meyer, Ph.D., P.E.,  
F.ACII, M.ASCE  
Georgia Institute of  
Technology

Levon Minnetyan,  
Ph.D., P.E.  
Clarkson University

Ahmed Mohamed, Ph.D.  
Indiana State University

Osama A. Mohamed,  
Ph.D., P.E.  
Abu Dhabi University

Svitlana V. Mooney,  
M.S., CCP, P.Eng., P.E., PMP  
Civil Line Engineering, LLC

Krishna H.V. Murthy,  
Ph.D., P.E.  
West Virginia University  
Institute of Technology

Robert J. O'Neill, Ph.D., P.E.  
Florida Gulf Coast  
University

Joseph O. Owino, Ph.D., P.E.  
The University  
of Tennessee, Chattanooga

Monica Palomo,  
Ph.D., BCEE, P.E.  
California State  
Polytechnic University,  
Pomona

Jay A. Puckett, Ph.D., P.E.  
University of Nebraska,  
Lincoln

Thomas B. Quimby,  
Ph.D., P.E.  
Quimby & Associates

Mohammad A. Qureshi,  
Ph.D., P.E.  
LIN Consulting, Inc.

Herbert M. Raybourn,  
M.S., P.E., F.ASCE  
RESPEC

H. Ronald Riggs, Ph.D., P.E.  
University of Hawaii  
at Manoa

Carlos Rodriguez, Ph.D.  
Escuela Superior  
Politécnica del Litoral

Mary J.S. Roth, Ph.D., P.E.  
Lafayette College

Ezzeldin Y. Sayed-Ahmed  
Elbawab, Ph.D.  
The American University  
in Cairo

William P. Schonberg,  
Ph.D., P.E.  
Missouri University  
of Science and Technology

Kevin G. Sutterer, Ph.D., P.E.  
Rose-Hulman Institute  
of Technology

Ramzi Taha, Ph.D.  
Schreiner University

Jorge A. Tito, Ph.D., P.E.  
Richard Design Services -  
RDS

Camilo Torres, Ph.D., P.E.  
Pontifical Xavierian  
University

John N. Veenstra,  
Ph.D., BCEE, P.E.  
Oklahoma State University

Marlon W. Vogt, P.E.  
Ulteig Engineers

Sherif Yehia, Ph.D., P.E.  
American University  
of Sharjah

Scott A. Yost, Ph.D., P.E.  
University of Kentucky

Tamara Zagumenna,  
M.S., CCP, P.E., PMP  
BC Hydro Power  
& Authority

Michael D. Zavislak,  
CHMM, CIH, P.E.  
Greenville Technical  
College

Timothy Zeigler, M.S., P.E.  
Kennesaw State University

Manoochehr Zoghi,  
Ph.D., MBA, P.E.  
Western Illinois University

**ASEE**  
*American Society for  
Engineering Education*  
Jafar Al-Sharab, Ph.D.  
Northwestern State  
University of Louisiana

Sara L. Arena, Ph.D.  
Virginia Polytechnic  
Institute and State  
University

Sara Atwood, Ph.D.  
Elizabethtown College

Nael Barakat,  
Ph.D., P.E., P.Eng., F.ASME  
The University  
of Texas at Tyler

Cynthia Wise Barnicki,  
Ph.D.

Milwaukee School of  
Engineering

Rebecca Bates, Ph.D.  
Minnesota State  
University, Mankato

David B. Beasley, Ph.D., P.E.  
Retired

Deborah Besser, Ph.D., P.E.  
University of St Thomas,  
Saint Paul

Stephen H. Cobb, Ph.D., P.E.  
Murray State University

Thomas F. Conry, Ph.D., P.E.  
University of Illinois  
Urbana-Champaign

Garth V. Crosby, Ph.D.  
Southern Illinois University  
Carbondale

Scott Danielson, Ph.D.  
Arizona State University,  
Tempe

Joel M. Esposito, Ph.D.  
United States Naval  
Academy

Joel Falk, Ph.D.  
University of Pittsburgh

Matthew Franchetti,  
Ph.D., P.E.  
University of Toledo

Wilhelm A. Friess, Ph.D.  
University of Maine

Osama M. Jadaan, Ph.D.  
University of North Florida

Michael G. Jenkins,  
Ph.D., P.E.  
California State  
University, Fresno

Daniel Lepek, Ph.D.  
Cooper Union  
for the Advancement  
of Science and Art

William P. Lovegrove, Ph.D.  
Bob Jones University

Sundar V. Madhally, Ph.D.  
Oklahoma State University

Denise Martinez, Ph.D.  
Tarleton State University



# 2021–2022 Program Evaluators

**Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.**

Barbara Masi, Ph.D.  
University of Rochester

Quamrul H. Mazumder,  
Ph.D., P.E.  
University of Michigan -  
Flint

Thomas McDonald, Ph.D.  
University of Southern  
Indiana

Michael Momot, Ph.D., P.E.  
University of Virginia-Main  
Campus

Daniel J. Moore, Ph.D.  
Rose-Hulman Institutue  
of Technology

Kevin L. Moore, Ph.D., P.E.  
Colorado School of Mines

Kenneth D. Moore, M.S.  
GE Power

Carol A. Mullenax,  
Ph.D., P.E., PMP  
NASA

Mark L. Nowack, Ph.D., P.E.  
College of the Ozarks

Abdul R. Ofoli,  
M.Eng., Ph.D., P.E.  
The University  
of Tennessee-  
Chattanooga

Matthew W. Ohland, Ph.D.  
Purdue University

Kenneth S. Olree, Ph.D., P.E.  
NSpired Engineering, PLLC

Stephen A. Parke,  
Ph.D., P.E.  
Northwest Nazarene  
University

Paul D. Plotkowski, Ph.D.  
Grand Valley State  
University

David K. Probst, Ph.D., P.E.  
Greenville College

Muhammad H. Rashid,  
Ph.D.  
Florida Polytechnic  
University

Kenneth Rennels, M.S., P.E.  
IUPUI

Michael Reynolds, Ph.D.  
The University  
of West Florida

Chell Roberts, Ph.D.  
University of San Diego

Matthew Roberts,  
Ph.D., P.E.  
Southern Utah University

James R. Rowland,  
Ph.D., P.E.  
University of Kansas

Terrence E. Russell,  
MBA, P.E.  
Self-Employed

Anca L. Sala, Ph.D.  
Kettering University

Joseph A. Shaeiwitz, Ph.D.  
Auburn University

Ying Shang, Ph.D.  
Indiana Institute  
of Technology

Catherine King Skokan,  
Ph.D.  
Colorado School of Mines

Bradley A. Striebig, Ph.D.  
James Madison University

Binod Tiwari, Ph.D., P.E.  
California State  
University, Fullerton

John Louis Vadnal, Ph.D.  
Liberty University

James Vassil, M.S., P.E.  
Fairmont State University

Isaac Wait, Ph.D., P.E.  
Marshall University

Xingwu Wang, Ph.D.  
Alfred University

Cecelia M. Wigal, Ph.D., P.E.  
The University  
of Tennessee-  
Chattanooga

David A. Wyrick, Ph.D., P.E.  
West Virginia University

**ASME**  
*American Society of  
Mechanical Engineers*  
Ted Achorn, P.E.  
Self-Employed

Mahesh C. Aggarwal, Ph.D.  
Gannon University

Mahbub Ahmed, Ph.D., P.E.  
Southern Arkansas  
University

Ruhul Amin, Ph.D., P.E.  
Montana State University

Nagamangala K. Anand,  
Ph.D., P.E.  
Texas A&M University,  
College Station

Bahaa I. K. Ansaf, Ph.D., P.E.  
Colorado State University,  
Pueblo

Abul Fazal M. Arif, Ph.D.  
McMaster University

Albert A. Arthur, M.S.  
University of Cincinnati,  
College of Engineering  
and Applied Science

Orlando M. Ayala, Ph.D.  
Old Dominion University

Nael Barakat,  
Ph.D., P.E., P.Eng., F.ASME  
The University  
of Texas at Tyler

Charles E. Baukal Jr.,  
Ph.D., P.E.  
John Zink Co. LLC

Abhijit Bhattacharyya,  
Ph.D.  
Arkansas State University

David I. Bigio, Ph.D.  
University of Maryland-  
College Park

Joseph E. Bishop, Ph.D.  
Sandia National  
Laboratories

Jill Blecke, Ph.D.  
Sandia National  
Laboratories

Luis M. Bocanegra, Ph.D.,  
MBA, P.E.  
Arizona State University,  
Tempe

J. (Toby) A. M. Boulet, Ph.D.  
The University of  
Tennessee-Knoxville

Jennifer McFerran Brock,  
Ph.D.  
University of Alaska  
Anchorage

Tim L. Brower, Ph.D.  
Self-Employed

Lawrence M. Butkus,  
Ph.D., P.E.  
Miami University - Oxford

Robert J. Camp, Ph.D., P.E.  
Providence College

Antonio Cardenas, Ph.D.  
Universidad Autonoma  
de San Luis Potosi

Beth A. Carle, Ph.D.  
Rochester Institute  
of Technology

Peng Cheng, Ph.D.  
Virginia State University

Scott A. Clary, Ph.D.  
Lockheed Martin

Kevin R. Cook, M.S., P.E.  
Montana State University

Kristine Csavina, Ph.D.  
Colorado School of Mines

Scott Danielson, Ph.D., P.E.  
Arizona State University,  
Tempe

Warren R. DeVries, Ph.D.  
University of Maryland,  
Baltimore County

Nadim A. Diab, Ph.D.  
Rafik Hariri University

Scott A. Dilling,  
MSME, M.S., P.E.  
University of Akron

# 2021–2022 Program Evaluators

**Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.**

Charles G. Drake,  
MSME, P.E.  
Ferris State University

Nandika D'Souza, Ph.D., P.E.  
University of North Texas

Stephen Ekwaro-Osire,  
Ph.D., P.E.  
Texas Tech University

Michel Elkhoury, Ph.D.  
Lebanese American  
University

Aldo A. Ferri, Ph.D.  
Georgia Institute  
of Technology

Emine Foust, Ph.D.  
United States  
Military Academy

Lynnane E. George, Ph.D.  
University of Colorado  
Colorado Springs

Humberto A. Gomez, Ph.D.  
Universidad del Norte

Matt Gordon, Ph.D., P.E.  
University of Denver

Michael P. Gordon, P.E.  
Piper Aircraft, Inc.

Christine E. Hailey,  
Ph.D., P.E.  
Texas State University

Edwin A. Harvego, M.S., P.E.  
Retired

Mohamed Samir Hefzy,  
Ph.D., P.E.  
University of Toledo

Hisham Hegab, Ph.D., P.E.  
Louisiana Tech University

John Hoke, Ph.D.  
Innovative Scientific  
Solutions Inc.

Karlene A. Hoo, Ph.D.  
Gonzaga University

Karl I. Jacob, Ph.D., P.E.  
Georgia Institute of  
Technology

Timothy J. Jacobs, Ph.D.  
Texas A&M University

Diane Jakobs, Ph.D., P.E.  
Rheem Manufacturing  
Company

Michael G. Jenkins,  
Ph.D., P.E.

California State  
University, Fresno

Jared W. Jensen, Ed.D., P.E.  
Chevron Corporation

Vukica Jovanovic, Ph.D.  
Old Dominion University

Imin Kao, Ph.D.  
Stony Brook University

Amir Karimi, Ph.D., P.E.  
The University of Texas  
at San Antonio

Mansour Karkoub,  
HDR, P.E.  
Lamar University

Swami Karunamoorthy,  
D.Sc.  
Washington University  
St. Louis

Sanjeev K. Khanna, Ph.D.  
University of Missouri,  
Columbia

K. Krishnamurthy, Ph.D.  
Missouri University  
of Science and Technology

John L. Krohn, Ph.D., P.E.  
Arkansas Tech University

Stephen Kuchnicki, Ph.D.  
York College Pennsylvania

Cesar Levy, Ph.D.  
Florida International  
University

Jianyu Liang, Ph.D.  
Worcester Polytechnic  
Institute

Thomas Litzinger, Ph.D.  
Pennsylvania State  
University

Stephen L. Long, MIE, P.E.  
Retired

Annette M. Lynch, M.S., P.E.  
Woodward, Inc.

Stacy Thompson Malecki,  
MBA  
UTC Pratt & Whitney

Georg F. Mauer, Ph.D.  
University of Nevada,  
Las Vegas

Brad A. Miller, Ph.D.  
Harding University

Michele Miller, Ph.D.  
Campbell University

Ala Moradian, MLA  
Applied Materials Inc.

Andrew J. Moskalik,  
Ph.D., P.E.  
Environmental Protection  
Agency

Jeffrey R. Mountain,  
Ph.D., P.E.  
University of Houston,  
Clear Lake

Ahad S. Nasab, Ph.D., P.E.  
The University of  
Tennessee-Chattanooga

Karim J. Nasr, Ph.D.  
University of Balamand

Neriman Ozada, Ph.D.  
Near East University

Matt A. Panhans, Ph.D., P.E.  
Milwaukee School  
of Engineering

Darrell W. Pepper, Ph.D.  
University of Nevada,  
Las Vegas

Eduardo G. Perez, Ph.D.  
Inter American University  
of Puerto Rico-Bayamon

Shivakumar I.  
Ranganathan, Ph.D.  
Virginia Polytechnic  
Institute and State  
University

Devesh Ranjan, Ph.D.  
Georgia Institute  
of Technology

T. S. Ravigururajan,  
Ph.D., P.E.  
Wichita State University

John R. Reisel, Ph.D., P.E.  
University of Wisconsin,  
Milwaukee

Dustyn Roberts, Ph.D., P.E.  
University of Pennsylvania

Hector M. Rodriguez,  
MBA, P.E.  
Hudson Valley Community  
College

Lotfi Romdhane, Ph.D.  
American University  
of Sharjah

Anil Saigal, Ph.D.  
Tufts University

Jerry Samples, Ph.D., P.E.  
Retired

Muthukrishnan  
Sathyamoorthy, Ph.D.  
The University of Texas  
at Tyler

SA Sherif, Ph.D.  
University of Florida

James R. Sherrard,  
M.S., P.E.  
Marine/Ocean  
Engineering Consulting

Malayappan Shridhar,  
Ph.D.  
University of Michigan,  
Dearborn

Natasha L. Smith,  
Ph.D., P.E.  
University of Virginia

Sendilvelan Subramanian,  
M.TECH  
Dr. M.G.R. Educational  
and Research Institute

Joshua D. Summers, Ph.D.  
The University of Texas  
at Dallas

# 2021–2022 Program Evaluators

Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.

Sriram Sundararajan, Ph.D.  
Iowa State University

Gunnar Tamm, Ph.D.  
United States  
Military Academy

Curtis Taylor, Ph.D.  
University of Florida

Siva Thangam, Ph.D.  
Stevens Institute  
of Technology

Timothy E. Thomas, M.S.  
Pittsburg State University

Mauricio Torres, Ph.D.  
Indiana Institute  
of Technology

Hu D. Tran, Ph.D., P.E.  
Sandia National  
Laboratories

Jerry I. Tustaniwskyj, Ph.D.  
University of California,  
San Diego

Alok K. Verma,  
Ph.D., P.E., CMfgE  
Texas A&M University,  
San Antonio

Jyhwen Wang, Ph.D.  
Texas A&M University,  
College Station

Richard C. Warder Jr.,  
Ph.D., P.E.  
University of Memphis

John W. Weidner, Ph.D.  
University of Cincinnati

Steven E. Wendel, MSME  
Sinclair Community  
College

Wayne E. Whiteman,  
Ph.D., P.E.  
Georgia Institute  
of Technology

Chulho Yang, Ph.D., P.E.  
Oklahoma State  
University–Main Campus

Mohammad A. Zahraee,  
Ph.D., P.E.  
Purdue University

Paul H. Zang, Ph.D., P.E.  
Kettering University

Mohamed Y. Zarrugh, Ph.D.  
James Madison University

Rebecca Avrin Zifchock,  
Ph.D.  
United States Military  
Academy

**ASSP**  
*American Society of  
Safety Professionals*

Karim M. A. Hardy, Ph.D.,  
CSP, CMIOSH, CSHM  
Fire and Rescue  
Department, France

Mehdi Khalighi,  
MPH, CIH, CSP  
Millersville University  
of Pennsylvania

Adam W. Pickens,  
Ph.D., ASP  
Texas A&M  
Ergonomics Center

Sathyanarayanan  
Rajendran,  
Ph.D., CSP, LEED AP  
Central Washington  
University

Katherine E. Schofield,  
Ph.D., CSP  
University of Minnesota,  
Duluth

**BMES**  
*Biomedical Engineering  
Society*

Asem F. Aboelzahab, Ph.D.  
Purdue University

Dana M. Abouelnasr, MPH  
Georgia Institute  
of Technology

Ziad O. Abu-Faraj, Ph.D.  
Mebex Consultants

Robert H. Allen, Ph.D., P.E.  
Albert Einstein College  
of Medicine

Kimberly Anderson, Ph.D.  
University of Kentucky

Christopher Arena, Ph.D.  
Virginia Polytechnic  
Institute and State  
University

Shelton D. Caruthers, Ph.D.  
Canon Medical Research

Michael S. Detamore, Ph.D.  
University of Oklahoma,  
Norman Campus

Zachary A. Dooley, M.S.  
SeaSpine Inc.

Greg T. Gdowski, Ph.D.  
University of Rochester

Robert T. T. Gettens, Ph.D.  
Western New England  
University

Sleiman R. Ghorayeb, Ph.D.  
Feinstein Institute  
for Medical Research  
at Northwell Health

Connie L. Hall, Ph.D.  
The College of New Jersey

Sara J. Hanrahan, Ph.D.  
The University  
of Tennessee–Knoxville

Ashutosh Khandha, Ph.D.  
University of Delaware

David M. Kwartowitz, Ph.D.  
Grand Canyon University

Derek J. Lura, Ph.D.  
Florida Gulf Coast  
University

Anthony J. McGoron, Ph.D.  
Florida International  
University

Brian Mundo, MSE  
Wayne State University

Raj R. Rao, Ph.D.  
University of Arkansas

John W. Steadman,  
Ph.D., P.E.  
University of South  
Alabama

Binh Tran, Ph.D.  
Marian University,  
Indianapolis

Charles S. Tritt, Ph.D.  
Milwaukee School of  
Engineering

Hans van Oostrom, Ph.D.  
University of Florida

Hu Yang, Ph.D.  
Missouri University  
of Science and Technology

**CMAA**  
*Construction Management  
Association of America*

Jody Booth,  
MBA, P.E., CCM  
Dominion Realty  
Partners, LLC

William L. Brown, CCM  
Expert Construction  
Managers, Inc.

Derrek B. Dunn, M.S.  
University of Maryland  
Eastern Shore

Chi Kwan Fong, CCM  
Cumming Management  
Group

Eric Jones, MPA, CCM  
New York City Transit

Christine S. Kam,  
MBA, P.E.  
AECOM

Audrey L. Schultz, Ph.D.  
Pratt Institute

Mohsin Khalid Siddiqui,  
Ph.D., P.E.  
University of Delaware

**CSAB**  
Noureddine Abbadeni,  
Ph.D.  
King Saud University

Mary K. Abkemeier, Ph.D.  
Fontbonne University

Emad H. Aboelela, Ph.D.  
Northeastern University

Ali M. Abuelhumos, Ph.D.  
Jackson State University

# 2021–2022 Program Evaluators

**Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.**

Ademola Adejokun, P.E., ESEP, PMP  
Lockheed Martin  
Aeronautics Company

Ankur Agrawal, Ph.D.  
Manhattan College

Ishfaq Ahmad, Ph.D.  
The University of Texas  
at Arlington

Ali Ahmadinia, Ph.D., FHEA  
California State University,  
San Marcos

Shakil Akhtar, Ph.D.  
Clayton State University

Muthanna H. Al-Dahhan,  
D.Sc.  
Missouri University of  
Science and Technology

Riyadh Abdul Kadir Mehdi  
Al-Khalidi, Ph.D.  
Ajman University of  
Science and Technology

Mansour Almatarneh, Ph.D.  
Memorial University  
of Newfoundland

Vijay Anand, Ph.D.  
University of Missouri,  
St Louis

Senthil Athithan, Ph.D.  
KL University

Kemal Aydin, Ph.D.  
Franklin University

Moussa Ayyash, Ph.D.  
Chicago State University

Jeffrey Babb, Ph.D.  
West Texas A&M University

Chunyan Y. Bai, Ph.D.  
Roger Williams University

Cynthia Baker, MBA  
American University  
of Sharjah

Trevor J. Bakker,  
M.S., CISSP  
The University of Texas  
at Arlington

Aziz M. Barbar, Ph.D.  
The Knowledge Hub  
Universities (TKH),  
Coventry University,  
Egypt Branch

Robert E. Beck, Ph.D.  
Villanova University

Nahla A. Belal, Ph.D.  
Arab Academy  
for Science, Technology  
and Maritime Transport

Michael W. Berry, Ph.D.  
The University of  
Tennessee-Knoxville

Elodie Billionniere, Ph.D.  
Miami Dade College

James Blanchard, Ph.D.  
Retired

Peter Brink, BSEE  
kVA by UL

Katie Brodhead, M.S.  
Florida State University

Juanita Brooks, Ph.D.  
Middle Tennessee  
State University

Mitchell Buchman  
ManTech International

William Butler, Ph.D.  
Capitol Technology  
University

Yu Cai, Ph.D.  
Michigan Technological  
University

James Cain, Ph.D., CISS  
Ozarks Technical  
Community College

Lillian Cassel, Ph.D.  
Villanova University

Albert Chan, M.S.  
Fayetteville State  
University

Lily Chang, Ph.D.  
Rutgers University  
New Brunswick

Kai H. Chang, Ph.D.  
Auburn University

Aran V. Clauson, Ph.D.  
Western Washington  
University

Maxine S. Cohen, Ph.D.  
Nova Southeastern  
Univeristy

Nicholas A. Coleman, Ph.D.  
Austin Peay State  
University

Gina M. Cooper, Ph.D.  
DeVry University-Illinois

Charles H. Dana, Ph.D.  
California Polytechnic  
State University, San Luis  
Obispo

Subhasish Dasgupta, Ph.D.  
George Washington  
University

Jimmie M. Davis, M.S.  
CAE USA

Charles Dierbach, Ph.D.  
Towson University

Laura K. Dillon, Ph.D.  
Michigan State University

Alexa N. Doboli, Ph.D.  
Stony Brook University

David Donahoo, M.S.  
Liberty University

Travis E. Doom, Ph.D.  
Wright State University,  
Main Campus

Armin Eberlein, Ph.D.  
German University  
of Technology  
in Oman (GUtech)

April Edwards, Ph.D.  
United States  
Naval Academy

Jesse Eickholt, M.A.  
Central Michigan University

Stuart A. Eisenstadt, M.S.  
Thomas Edison  
State University

Mohamed El-Attar, Ph.D.  
Zayed University

Mahmoud Elish, Ph.D.  
Gulf University  
for Science and Technology

Mark F. Ellson, B.S.  
Lockheed Martin Space

Mostafa El-Said, Ph.D.  
Grand Valley  
State University

Jean H. French, Ph.D.  
Coastal Carolina University

Janos T. Fustos, Ph.D.  
Metropolitan State  
University of Denver

Ruben Gamboa, Ph.D.  
University of Wyoming

Anchal Garg, Ph.D.  
The University of Bolton

Deepak Garg, Ph.D.  
Bennett University,  
Greater Noida, Uttar  
Pradesh, India

James A. Gast, Ph.D.  
ITT Technical Institute

Markus Geissler, Ph.D.  
Cosumnes River College

Michael A. Gennert,  
EECS, Sc.D.  
Worcester Polytechnic  
Institute

Tanya Goette, Ph.D., MIS  
Georgia College  
and State University

Christos Graikos, Ph.D.  
Arkansas State University

Mary J. Granger, Ph.D.  
George Washington  
University

George H. Hamer, Ph.D.  
South Dakota State  
University

Ramzi A. Haraty, Ph.D.  
Lebanese American  
University

# 2021–2022 Program Evaluators

**Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.**

Jasun H. Hawkins, Ph.D., CFCE  
Ferris State University

Elizabeth K. Hawthorne, Ph.D.  
Rider University

Jim E. Helm, Ph.D.  
Arizona State University, Polytechnic

C. Richard G. Helps, Ph.D.  
Brigham Young University, Provo

Jeffrey Hemmes, Ph.D.  
Regis University

Jayantha Herath, Ph.D.  
Saint Cloud State University

Craig Holcomb  
Retired

Mark A. Holliday, Ph.D.  
Western Carolina University

Thomas B. Horton, Ph.D.  
University of Virginia

Daqing Hou, Ph.D.  
Clarkson University

Gurdeep Hura, Ph.D.  
University of Maryland Eastern Shore

Alireza Hurson, Ph.D.  
Missouri University of Science and Technology

Jaber Jemai, Ph.D.  
Higher Colleges of Technology

Julie L. Johnson, Ph.D.  
Vanderbilt University

Elva J. Jones, Ph.D.  
Winston-Salem State University

Mani Joseph, Ph.D., CISA, CISM  
Modern College of Business and Science

Seifedine Kadry, Sc.D.  
Yeshi Group

David Kerven, JD  
Georgia Gwinnett College

Haklin A. Kimm, Ph.D.  
East Stroudsburg University of Pennsylvania

Kadathur B. Lakshmanan, Ph.D.  
SUNY College at Brockport

Lesley Pek Wee Land, Ph.D.  
University of New South Wales

Ted Lehr, Ph.D.  
Texas State University

Grace A. Lewis, Ph.D.  
Software Engineering Institute, Carnegie Mellon University

Tracy L. Lewis-Williams, Ph.D., PMP  
Radford University

Peng Li, Ph.D., CISSP  
East Carolina University

Akhtar Lodgher, Ph.D.  
Texas A&M University, San Antonio

Mohamed Abdalla M. Lotfy, Ph.D., ACE  
Utah Valley University

Wilfredo E. Lugo, Ph.D., P.E.  
University of Puerto Rico, Mayaguez

Xun Luo, Ph.D.  
Tianjin University of Technology

Pruthikrai Mahatanankoon, M.Ed.  
Illinois State University

Qusay H. Mahmoud, Ph.D., P.Eng.  
University of Ontario Institute of Technology

Qutaibah Malluhi, Ph.D.  
University of Qatar

Nancy L. Martin, Ph.D.  
Southern Illinois University Carbondale

Md Mehedi Masud, Ph.D.  
Taif University

Manton Matthews, M.S.  
University of South Carolina

Natarajan Meghanathan, Ph.D.  
Jackson State University

Fortune S. Mhlanga, Ph.D.  
Meharry Medical College

Osama A. Morad, M.A.  
University of Maryland, University College

Patricia Morreale, Ph.D.  
Kean University

Franc E. Noel, CpE., Ph.D., P.E.  
IBM

Juan A. Nolazco-Flores, Ph.D.  
Monterrey Institute of Technology

Daniel B. Oerther, P.E.  
Missouri University of Science and Technology

Mohammed Ouali, Ph.D.  
Thales Canada Inc.

Andy Perkins, Ph.D.  
Mississippi State University

Lynn M. Peterson, Ph.D.  
The University of Texas at Arlington

Ahmad A. Rabaa'i, Ph.D.  
New Jersey City University

Aaron R. Rababaah, Ph.D.  
American University of Kuwait

Hridesh Rajan, Ph.D.  
Iowa State University

Penny Rheingans, Ph.D.  
University of Maine

William Rials, Ph.D.  
Center for Digital Government

Derek Riley, Ph.D.  
Milwaukee School of Engineering

Carol J. Romanowski, Ph.D.  
Rochester Institute of Technology

John P. Russo, M.S.  
Fitchburg State University

Salamah Salamah, Ph.D.  
The University of Texas at El Paso

Mohan Sellappa Gounder, Ph.D.  
Nitte Meenakshi Institute of Technology, VTU, India

Narasimha K. Shashidhar, Ph.D.  
Sam Houston State University

Rama Shastri, MBA  
Microsoft Corporation

Sung Y. Shin, Ph.D.  
South Dakota State University

William D. Shoaff, M.S.  
Florida Institute of Technology

Khaled Shuaib, Ph.D.  
United Arab Emirates University

Rose Shumba, Ph.D.  
Bowie State University

Robert H. Sloan, Ph.D.  
University of Illinois at Chicago

Nigamanth Sridhar, Ph.D.  
Cleveland State University

Ramalingam Sridhar, Ph.D.  
University at Buffalo

Ramaswamy Srinivasan, Ph.D.  
iWorks Corporation

# 2021–2022 Program Evaluators

**Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.**

Jon Sticklen, Ph.D.  
Michigan Technological  
University

George C. Stockman, Ph.D.  
Michigan State University

Mark Stockman, MBA  
University of Cincinnati

Cheryl Swanier, Ph.D.  
University of  
Massachusetts, Amherst

Daniel Tappan, Ph.D.  
Eastern Washington  
University

Chris Taylor, Ph.D.  
Milwaukee School  
of Engineering

Chia-Chi Teng,  
Ph.D., CSSP, CEH, CISSP  
Google

Massood Towhidnejad,  
Ph.D.  
Embry-Riddle  
Aeronautical University,  
Daytona Beach

Goran Trajkovski, Ph.D.,  
MBA, MSML, MSCS  
Western Governors  
University

Helmuth Trefftz, Ph.D.  
Universidad EAFIT

William H. Turkett, Ph.D.  
Wake Forest University

Akhilesh Tyagi, Ph.D.  
Iowa State University

Suleyman Uludag, Ph.D.  
University of Michigan,  
Flint

Timur F. Umarov, Ph.D.  
British Management  
University

Joseph P. Van Metre, M.S.  
The MITRE Corporation

Vani Vasudevan, Ph.D.  
Nitte Meenakshi  
Institute of Technology

Ping Wang, Ph.D.  
Robert Morris University

Ye D. Wang, Ph.D.  
George Mason University

Yong Wang, Ph.D.  
Dakota State University

Richard A. Wasniowski,  
Ph.D.  
Retired

Robin Williams, Ph.D.  
Self-Employed

Mary Jane Willshire, Ph.D.  
Capella University

Mudasser F. Wyne, Ph.D.  
National University

Adnan H. Yahya, Ph.D.  
Birzeit University, Palestine

Yonggao Yang, Ph.D.  
Prairie View  
A&M University

Fenghui Yao, Ph.D.  
Tennessee State University

Peter ChunYu Yau, LLM  
The University of Glasgow

Xiaodong Yue,  
Ph.D., GPEN, GWAPT  
University of Central  
Missouri

Chi Zhang,  
M.S., CHDA, CPHIMS  
Kennesaw State University

Justin Zuopeng Zhang,  
Ph.D.  
University of North Florida

**IEEE**  
*Institute of Electrical  
and Electronics Engineers*

Mohamad Abdul-Hak,  
Dr.Eng.

Mercedes-Benz Research  
and Development N.A.

Imad Abouzahr, Ph.D., P.E.  
Oklahoma State University

Mohammad S. Alam, Ph.D.  
Texas A&M University,  
Kingsville

Abdullah H. Al-Badi, Ph.D.  
Sultan Qaboos University

Rocio Alba-Flores, Ph.D.  
Georgia Southern  
University

Trevor M. Allen, Ph.D.  
General Dynamics

Khalid S. Al-Olimat,  
Ph.D., P.E.  
Ohio Northern University

Glen E. Archer, Ph.D.  
Michigan Technological  
University

Rafic A. Bachnak,  
Ph.D., P.E.  
Pennsylvania State  
University, Harrisburg

Ganesh Balakrishnan,  
Ph.D.  
University of New Mexico

Luisella Balbis, Ph.D.  
University of Bahrain

Joseph A. Bannister, Ph.D.  
Aerospace Corp.

Rajeev Bansal, Ph.D.  
University of Connecticut

G. Thomas Bellarmine,  
Ph.D., P.E.  
Florida Agricultural and  
Mechanical University

Mitchell Belser, Ph.D., P.E.  
Raytheon Technologies

Luigi Benedicenti,  
Ph.D., P.Eng.  
University of New  
Brunswick

John J. Besse, M.S.  
ACSyES Incorporated

Linda N. Betz, Ph.D., CIPP  
KnowledgeConnect

Wayne Blanding, Ph.D.  
York College  
of Pennsylvania

Karen M. Bloch, Ph.D.  
DuPont Company

Leonard J. Bohmann,  
Ph.D., P.E.  
Michigan Technological  
University

William R. Boley, M.S., P.E.  
Northrop Grumman

Stephen F. Bonk, Ph.D., P.E.  
SFB PM Consulting

Edit J. Bourgeois, Ph.D.  
University of New Orleans

Randall Britto, M.S.  
US Combat Capabilities  
Development Command

Cameron K. Bruce,  
MBA, P.E.  
Cameron Bruce PE  
Consulting

J. W. Bruce, Ph.D.  
Tennessee Technological  
University

Mark M. Budnik, Ph.D.  
Carnegie Mellon University

Karen Latrise Butler-Purry,  
Ph.D., P.E.  
Texas A&M University,  
College Station

Raymond H. Byrne, M.S.  
Sandia National  
Laboratories

Carlos Cabrera, Ph.D., P.E.  
Florida State College at  
Jacksonville

Maria G. Calle, Ph.D.  
Universidad del Norte

Bill D. Carroll, Ph.D., P.E.  
The University of Texas  
at Arlington

Robert H. Caverly, Ph.D.  
Villanova University

# 2021–2022 Program Evaluators

**Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.**

Bharat S. Chaudhari, Ph.D.  
MIT World Peace  
University, India

R. Alan Cheville, Ph.D.  
Bucknell University

Ken Christensen, Ph.D., P.E.  
University of South Florida

Michael A. Civiello, MBA  
Aagra Consulting LLC

Daniel P. Connors, Ph.D.  
East Tennessee State  
University

James M. Conrad,  
Ph.D., P.E.  
University of North  
Carolina at Charlotte

Paul B. Crilly, Ph.D.  
United States Coast  
Guard Academy

Issam W. Damaj, Ph.D.  
Cardiff Metropolitan  
University

Thomas E. Dean, M.S.  
University of  
Massachusetts, Lowell

Russell J. Deaton, Ph.D.  
University of Memphis

Joanne E. DeGroat, Ph.D.  
The Ohio State University

Ronald R. DeLyser, Ph.D.  
University of Denver

Dennis J. Derickson,  
Ph.D., P.E.  
California Polytechnic  
State University,  
San Luis Obispo

Robert A. DiFazio, Ph.D.  
RZio LLC

Alen Docef, Ph.D.  
Virginia Commonwealth  
University

Curtis W. Dodd, Ph.D.  
Retired

Adele B. Doser, Ph.D.  
Sandia National  
Laboratories

Walter Downing, MBA, P.E.  
Southwest Research  
Institute, San Antonio, TX

Gusteau Duclos, Ph.D.  
DeVry College of New York

Kate Duncan, Ph.D.  
United States Military  
Academy

Scott C. Dunning,  
Ph.D., P.E.  
Virginia Polytechnic  
Institute and State  
University

Eric Durant, MBA, P.E.  
Starkey Hearing  
Technologies

Matthew P. Easley, M.S.  
U.S. Army

Masood Ejaz, Ph.D.  
Valencia College

Ibrahim M. Elamin, Ph.D.  
King Fahd University  
of Petroleum & Minerals

Imad H. Elhadj, Ph.D.  
American University  
of Beirut

Hossny Elsherief, Ph.D.  
University of California,  
Riverside

Prasad N. Enjeti, Ph.D.  
Texas A&M University,  
College Station

Abdullah Eroglu, Ph.D.  
North Carolina A&T  
State University

Joel Falk, Ph.D.  
University of Pittsburgh

Monique P. Fargues, Ph.D.  
Naval Postgraduate  
School

Charles B. Fleddermann,  
Ph.D.  
University of New Mexico

Sam K. Formby, Ph.D.  
Retired

Stephen Efa Frempong,  
P. Eng(UK), Ph.D., NARTE  
State University  
of New York at Canton

Jeffrey E. Froyd, Ph.D.  
The Ohio State University

Ramesh S. Gaonkar, Ph.D.  
Indian Institute  
of Technology,  
Gandhinagar, Gujarat

Adel Gastli, Ph.D.  
University of Qatar

Lauren E. Gaunt, ME, P.E.  
Eversource Energy

Mohammed Ghazal, Ph.D.  
Abu Dhabi University

Prasanta K. Ghosh, Ph.D.  
Syracuse University

Michael G. Giesselmann,  
Dr.Ing., P.E.  
Texas Tech University

Ron B. Goldfarb, Ph.D.,  
MBA  
National Institute  
of Standards and  
Technology (NIST)

Cesar A. Gonzales, Ph.D.  
Self-Employed

Virgilio Gonzalez, Ph.D.  
The University of Texas  
at El Paso

Manimaran Govindarasu,  
Ph.D.  
Iowa State University

John N. Gowdy, Ph.D.  
Clemson University

Jeffery L. Gray, Ph.D.  
Purdue University

Christopher S. Greene,  
Ph.D.  
University of St. Thomas,  
St. Paul

Bryan D. Griner, M.S., P.E.  
Southern Nuclear

Christine Grunbaum,  
MBA, P.E.  
Ameren Missouri

Haidar M. Harmanani, Ph.D.  
Lebanese American  
University

Bruce A. Harvey, Ph.D.  
Florida A&M University,  
Florida State University

Gregory L. Heileman, Ph.D.  
University of Arizona

Orlando J. Hernandez,  
Ph.D.  
The College of New Jersey

Gerald T. Heydt, Ph.D., P.E.  
Arizona State University,  
Tempe

Todd Hiemer, MBA, P.E.  
Boeing

Jonathan Holden, M.S., P.E.  
Raytheon

ASM Delowar Hossain,  
Ph.D., P.E.  
City University of New York

Joseph L.A. Hughes, Ph.D.  
Georgia Institute of  
Technology

Jason K. Hui, M.S.  
Textron Systems

Mousa I. Hussein, Ph.D.  
United Arab Emirates  
University

Walid Ibrahim, Ph.D.  
United Arab Emirates  
University

Mohammad Ilyas, Ph.D.  
Florida Atlantic University

John Impagliazzo, Ph.D.  
Self-Employed

Kamran Iqbal, Ph.D., P.E.  
University of Arkansas  
at Little Rock

# 2021–2022 Program Evaluators

**Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.**

Baha Jassemnejad, Ph.D.  
ASRC Federal System  
Solutions, Federal Aviation  
Administration (FAA),  
Oklahoma Communication  
Engineering Team and  
Telecommunications  
Engineering Team

Ravi Joshi, Ph.D., P.E.  
Texas Tech University

Ahmed E. Kamal,  
Ph.D., P.Eng.  
Iowa State University

Edward R. Kelly, M.S.  
U.S. Air Force

Barbara Humm Kenny,  
Ph.D., P.E.  
Retired

Hulya Kirkici, Ph.D.  
University  
of South Alabama

Hakduran Koc, Ph.D.  
University of Houston,  
Clear Lake

Mary A. Kohler, Ph.D.  
United States  
Department of Defense

Michael Komodromos,  
Ph.D.  
Frederick University

Thomas H. Kuckertz,  
Ph.D., P.E.  
Retired

Joseph Kujawski, M.S.  
Kujawski Consulting

Jumoke O. Ladeji-Osias,  
Ph.D.  
National Science  
Foundation

Chao Li, Ph.D., P.E.  
Florida Agricultural and  
Mechanical University

Albert Y. Lin, M.S., P.E.  
Independent Consultant,  
Satellite Consulting Inc.

Arthur M. Lizotte, M.S.  
Keysight Technologies

James A. Lookadoo,  
Ph.D., P.E.

Albert Lozano-Nieto, Ph.D.  
Pennsylvania State  
University, Wilkes-Barre

Margaret J. Lyons,  
BSCEE, P.E.  
Jacobs

Mahmoud A. Manzoul,  
Ph.D.  
Jackson State University

Eric Martin, M.S., PMP  
Thermo Fisher Scientific

Denise Martinez, Ph.D.  
Tarleton State University

Derek Maxey, M.S., CISSP  
Lockheed Martin

Bruce McMillin, Ph.D.  
Missouri University  
of Science and Technology

John M. McWilliams, P.E.  
Retired

Kathleen Meehan, Ph.D.  
California State University,  
Chico

Mehrube Mehrubeoglu,  
Ph.D., EIT  
Texas A&M University,  
Corpus Christi

Sigurd Meldal, Sc.D.  
Mostly Sunny LLC

Cyrella J. Menon, MBA  
Danlaw, Inc.

Scott F. Midkiff, Ph.D.  
Virginia Polytechnic  
Institute and State  
University

Andrew E. Milks, Ed.D., P.E.  
University of Akron

Omonowo D. Momoh, Ph.D.  
Purdue University  
Fort Wayne

Daniel J. Moore, Ph.D.  
Rose-Hulman Institutue  
of Technology

Kevin L. Moore, Ph.D., P.E.  
Colorado School of Mines

Tyrone E. Moore, M.S.  
Air Force

S. Hossein Mousavinezhad,  
P.E., Ph.D  
Idaho State University

Srijib K. Mukherjee,  
Ph.D., MBA, P.E.  
University of North  
Carolina, Charlotte

George E. Nasr, Ph.D.  
Lebanese American  
University

Balasubramaniam  
Natarajan, Ph.D.  
Kansas State University

J. Keith Nelson,  
Ph.D., C.Eng.  
Rensselaer Polytechnic  
Institute

Phyllis R. Nelson, Ph.D.  
California State  
Polytechnic University,  
Pomona

Victor P. Nelson, Ph.D., P.E.  
Auburn University

Kundan Nepal, Ph.D.  
University of St Thomas,  
Saint Paul

Lim Nguyen, Ph.D., P.E.  
University of Nebraska,  
Lincoln

Franco E. Noel, Ph.D., P.E.  
IBM

Sima Noghianian, Ph.D., P.E.  
University of California,  
San Diego

Brian Norton, M.S., P.E.  
Oklahoma State University

Morrison S. Obeng, Ph.D.  
Bethune-Cookman  
University

Abdul R. Ofoli, Ph.D.,  
M.Eng., P.E.  
The University of  
Tennessee, Chattanooga

Aurenice M. Oliveira,  
Ph.D., P.E.  
Michigan Technological  
University

Efrain O'Neill-Carrillo,  
Ph.D., P.E.  
University of Puerto Rico,  
Mayaguez

Mauricio Pardo, Ph.D.  
Universidad del Norte

Cameron Patterson, Ph.D.  
Virginia Polytechnic  
Institute and State  
University

Christopher Peckham,  
MBA, CISSP, P.E.  
Ollivier Corp

Reginald J. Perry, Ph.D.  
Florida A&M University,  
Florida State University

David W. Peters, Ph.D.  
Sandia National  
Laboratories

Jamie D. Phillips, Ph.D.  
University of Delaware

Michael R. Phillips, M.S.  
Department of Defense,  
U.S. Air Force

Stephen M. Phillips,  
Ph.D., P.E.  
Arizona State University,  
Tempe

Robi Polikar, Ph.D.  
Rowan University

Jay Porter, Ph.D., P.E.  
Texas A&M University,  
College Station

Jeewika Ranaweera, Ph.D.  
IEEE Future Directions



# 2021–2022 Program Evaluators

**Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.**

Jeffrey S. Ransbottom, Ph.D.  
Virginia Polytechnic Institute and State University

Elaine L. Reeves, M.Eng.  
Microsoft

Mark A. Richard, Ph.D.  
Fujifilm Healthcare Americas

Anton Riedl, Dr.Ing.  
Christopher Newport University

Stephen Riter, Ph.D., P.E.  
The University of Texas at El Paso

Perry J. Robertson, Ph.D.  
Sandia National Laboratories

Mohit Sahnii  
Palo Alto Networks

Jose R. Sanchez, Ph.D.  
Merrimack College

Juan H. Sanchez Mendez, Ph.D.  
University of Puerto Rico, Bayamon

Shahrokh N. Sani, Ph.D., P.E.  
The State University of New York

Sumam D. Sarah, Ph.D.  
National Institute of Technology Karnataka, Surathkal

Michael A. Saville, Ph.D., P.E.  
Wright State University

Walter W. Schilling, Ph.D.  
Milwaukee School of Engineering

David P. Shattuck, Ph.D.  
University of Houston

Lisa Shatz, Ph.D.  
Suffolk University

Lisa A. Shay, Ph.D., P.E.  
Cooper Union for the Advancement of Science and Art

Mukul V. Shirvaikar, Ph.D.  
The University of Texas at Tyler

Malayappan Shridhar, Ph.D.  
University of Michigan, Dearborn

Timothy L. Skvarenina, Ph.D., P.E.  
Retired

Christopher J. Smith, M.S., MSSC  
Purdue University, North Central

Vincent P. Socci, M.A.  
SUNY at Binghamton

Arun K. Somani, Ph.D.  
Iowa State University

Scott K. Springer, M.S.  
Retired

Gary D. Steffen, M.S.  
Purdue University Fort Wayne

Guru Subramanyam, Ph.D.  
University of Dayton

Nikunja K. Swain, Ph.D., P.E.  
South Carolina State University

Kevin D. Taylor, M.S.  
Purdue University Kokomo

Keith A. Teague, Ph.D., P.E.  
Oklahoma State University

Gerald H. Thomas, Ph.D.  
Self-Employed

Nick Tredennick, Ph.D.  
Gilder Publishing

Uranchimeg Tungalag  
Mongolian University of Science and Technology

Akhilesh Tyagi, Ph.D.  
Iowa State University

John L. Vian, Ph.D., P.E.  
The Boeing Company

Ron S. Waters, Ph.D., P.E.  
Consulting

John M. Watkins, Ph.D.  
Wichita State University

Dong Wei, MBA  
ARM

Mark H. Weichold, Ph.D., P.E.  
Texas A&M University, College Station

Michael S. Wilcox, M.S.  
Consultant

Paul J. Wilder, Ph.D.  
Valencia College

Stephen M. Williams, Ph.D., P.E.  
Milwaukee School of Engineering

Stacy S. Wilson, Ph.D., P.E.  
Western Kentucky University

Brian D. Woerner, Ph.D.  
West Virginia University

Sally L. Wood, Ph.D.  
Santa Clara University

R. Clive Woods, D.Sc.  
University of South Alabama

Ece Yaprak, Ph.D.  
Wayne State University

Raef R. Yassin, Ph.D., P.E.  
Miami Dade College

H. Oner Yurtseven, Ph.D.  
Retired

Gengsheng L. Zeng, Ph.D.  
University of Utah

Wei Zhan, Sc.D., P.E.  
Texas A&M University, College Station

Wenbing Zhao, Ph.D.  
Cleveland State University

**IISE**  
*Institute of Industrial and Systems Engineers*

Casmir I. Agbaraji, Ph.D.  
Navajo Technical University

Neslihan Alp, Ph.D., P.E.  
Pennsylvania College of Technology

Ketut Gita Ayu, Ph.D.  
Norfolk Southern

Adedeji B. Badiru, Ph.D., P.E.  
Air Force Institute of Technology

Amarnath Banerjee, Ph.D.  
Texas A&M University, College Station

Evelyn C. Brown, Ph.D.  
North Carolina State University at Raleigh

LuAnn Sims Carpenter, Ph.D.  
Auburn University

Kenneth Currie, Ph.D., P.E.  
Middle Tennessee State University

Johann Demmel, Ph.D.

Gene Dixon, Ph.D., CPEM  
American Society for Engineering Management

Anael Espinal, MBA  
Universidad Tecnológica Centroamericana UNITEC Honduras

Paul F. Evangelista, Ph.D., P.E.  
United States Military Academy

George P. Gardner, CMC, CSSBB, P.E., PMP  
Virginia Department of Transportation

Timothy J. Greene, Ph.D.  
Western Michigan University

Ann T. Green-Terrell, M.S.  
United Parcel Service (UPS)

# 2021–2022 Program Evaluators

**Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.**

Kenneth L. Head, Ph.D.  
University of Arizona

Denise F. Jackson,  
Ph.D., P.E.  
University of Tennessee,  
Space Institute

Keith A. Johnson, MBA, P.E.  
Dominion Energy Utah

Swatantra K. Kachhal, Ph.D.  
University of Michigan,  
Dearborn

Paul J. Kauffmann,  
Ph.D., P.E.  
East Carolina University

Thomas Keyser, Ph.D.  
Oregon Institute  
of Technology

Ashkan C. Kiassat,  
Ph.D., P.E.  
Quinnipiac University

Justin W. Kile, Ph.D.  
Quinnipiac University

Gül E. Kremer, Ph.D.  
University of Dayton

Krishna Kumar Krishnan,  
Ph.D.  
Wichita State University

Mary Beth Kurz  
Clemson University

Jerome Philip Lavelle, Ph.D.  
North Carolina State  
University at Raleigh

Kirk Lindstrom, MBA, P.E.  
Questar

Matthew Marshall, Ph.D.  
Rochester Institute  
of Technology

Kenneth W. McDonald,  
M.A., P.E.  
United States  
Military Academy

K. Jo Min, Ph.D.  
Iowa State University

Richard M. Morris, Ph.D.  
Georgia State University

Jessica A. Oswald, Ph.D.,  
P.E.  
Tennessee Technological  
University

Hamid R. Parsaei, Ph.D., P.E.  
Texas A&M University

Edward Pines, Ph.D.  
New Mexico State  
University

Jayant Rajgopal, Ph.D., P.E.  
University of Pittsburgh

Stephen A. Raper, Ph.D.  
Missouri University of  
Science and Technology

Michael W. Riley, Ph.D., P.E.  
University of Nebraska,  
Lincoln

MD Sarder, Ph.D.  
Bowling Green  
State University

Susan O. Schall, Ph.D.  
SOS Consulting, LLC

Terry Schmidt, P.E., PMP  
Self-Employed

James H. Schreiner, Ph.D.  
United States Military  
Academy

Carlos Alberto Solorio  
Magana, Ph.D., P.E.  
CETYS University

Susan Steadman, MBA  
Central Pennsylvania  
Food bank

Lesley Strawderman,  
Ph.D., P.E.  
Mississippi State  
University

Alejandro Teran, Ph.D.  
Autonomous Technological  
Institute of Mexico

Geb Thomas, Ph.D.  
University of Iowa

Douglas H. Timmer, Ph.D.  
The University of Texas  
Rio Grande Valley

Mark J. Vanarelli, Ph.D., P.E.,  
BCEE, D.WRE, F.ASCE  
United States  
Department of Energy

Joseph Wilck, Ph.D., P.E.  
Bucknell University

David A. Wyrick, Ph.D., P.E.  
West Virginia University

Mehmet B. Yildirim, Ph.D.  
Wichita State University

Chen Zhou, Ph.D.  
Georgia Institute  
of Technology,  
Main Campus

**INCOSE**  
*International Council  
on Systems Engineering*

John M. Colombi, Ph.D.  
Air Force Institute of  
Technology, Graduate  
School of Engineering  
& Management

Dick Fairley, Ph.D.  
Systems and Software  
Engineering Associates  
(S2EA)

Muhammad F. Islam,  
Ph.D., CEH  
George Washington  
University

Keith D. Willett,  
Ph.D., CISSP, ISSAP  
Department of Defense

Shikui (Tony) Yan,  
Ph.D., CSEP  
Siemens Healthineers  
Molecular Imaging

**ISA**  
*International Society  
of Automation*

Fahd A. Banakhr, Ph.D.  
Yanbu Industrial College

Roydan C. Conley, M.Sc., P.E.  
TOTAL Petrochemicals  
and Refining USA

**NSPS**  
*National Society of  
Professional Surveyors*

Dimitrios Bolkas, Ph.D., P.E.  
Pennsylvania State  
University, Wilkes-Barre

Ahmed F. Elaksher,  
Ph.D., P.E., LS  
New Mexico State  
University

Anthony M. Gregory,  
M.S., LS  
Abonmarche Consultants

Jinseok Hong, Ph.D.  
East Tennessee  
State University

Jerry W. Nave, Ed.D., LS  
North Carolina  
A&T State University

Michael D. Pniewski,  
MBA, LS, P.E., PMP  
Lucas County  
Engineer's Office

**SAE International**  
T. Yomi Obidi, P.E.  
Tamayi Kristi, Llc

Randell W. Peters,  
Ph.D., CSTM  
Indiana State University

**SME**  
Yalcin M. Ertekin,  
Ph.D., CQE  
Drexel University

Ismail Fidan  
Tennessee Technological  
University

John L. Irwin, Ed.D.  
Michigan Technological  
University

Swatantra K. Kachhal,  
Ph.D.  
University of Michigan,  
Dearborn

Eric K. McKell, M.S., P.E.  
Brigham Young University,  
Provo

Maged B. Mikhail,  
Ph.D., ACE  
Purdue University

# 2021–2022 Program Evaluators

Program Evaluators, or PEVs, are the backbone of the ABET accreditation process. They visit institutions and review the programs seeking accreditation. To become a PEV, an individual must meet certain qualifications, such as possession of a degree appropriate to the field, demonstrated interest in improving education and membership in at least one of the ABET Member Societies, to name but a few. Once accepted as a PEV, these individuals must undergo an extensive online and in-person training process before they are assigned to visit institutions worldwide. We owe our Program Evaluators an enormous amount of gratitude for their dedication and service to their professions. The following individuals served as PEVs for at least one evaluation visit during the 2021-2022 accreditation cycle.

Bimal P. Nepal, Ph.D.  
Texas A&M University

Jianbiao J. Pan, Ph.D.  
California State University,  
Northridge

Daniel G. Sanders, Ph.D.  
University of Washington,  
Seattle

Iqbal Shareef,  
Ph.D., P.E., CMfgE  
Bradley University

Jyhwen Wang, Ph.D.  
Texas A&M University,  
College Station

**SME-AIME**  
*Society for Mining,  
Metallurgy, and  
Exploration*  
Kathleen A. Altman,  
Ph.D., P.E.  
AKA Pros, Inc.

Laurie C. Anderson, Ph.D.  
South Dakota School  
of Mines and Technology

Jurgen F. Brune, P.E.  
Colorado School of Mines

John S. Gierke, Ph.D., P.E.  
Michigan Technological  
University

David R. Hammond, Ph.D.  
Hammond International  
Group

John S. Hayden, PG  
Dixie State University

Ashley K. Heckman,  
M.S., P.E., PG  
Aldea Services, Inc.

Kurt W. Katzenstein,  
Ph.D., P.E.  
South Dakota School  
of Mines and Technology

Charles Kliche, Ph.D., P.E.  
South Dakota School  
of Mines and Technology

Thomas Oommen, Ph.D.  
Michigan Technological  
University

Susan Brennan Patton,  
Ph.D., P.E.  
RESPEC

Lee W. Saperstein,  
D.Phil., P.E.  
Missouri University  
of Science  
and Technology

Philip A. Schenewerk,  
Ph.D., P.E., PG  
The Lacombe Group, LLC

Gary L. Skaggs, MBA, P.E.  
Agapito Associates, Inc.  
(retired)

Purushotham Tukkaraja,  
Ph.D., QP  
South Dakota School  
of Mines and Technology

Patrick T. Williamson,  
M.S., PG, QP  
INTERA Inc.

**SNAME**  
*Society of Naval  
Architects and Marine  
Engineers*  
Richard Burke, Ph.D.  
SUNY Maritime College

Thomas W. DeNucci,  
Ph.D., D.Eng.  
United States Coast  
Guard Academy

Joshua D. Summers, Ph.D.  
The University  
of Texas at Dallas

**SPE**  
*Society of Petroleum  
Engineers*  
Tarek Ahmed, Ph.D., P.E.  
Tarek Ahmed and  
Associates

Linda A. Battalora, Ph.D.  
Colorado School of Mines

Abhijit Y. Dandekar, Ph.D.  
University of Alaska  
Fairbanks

Rehab El-Maghraby, Ph.D.  
Suez University

Berna Hascakir, Ph.D.  
Texas A&M University,  
College Station

Shirish L. Patil, Ph.D.  
King Fahd University  
of Petroleum and Minerals

Albertus Retnanto, Ph.D.  
Texas A&M University  
at Qatar

Robello Samuel, Ph.D.  
Halliburton

Susan Schrader, Ph.D., P.E.  
Montana Tech of the  
University of Montana

Lorraine Sobers,  
Ph.D., SPEC  
The University  
of the West Indies,  
St. Augustine Campus

Abdullah S. Sultan, Ph.D.  
King Fahd University of  
Petroleum and Minerals

G. Paul Willhite, Ph.D.  
University of Kansas

Patricia F. Mead, Ph.D.  
Norfolk State University

**TMS**  
*The Minerals, Metals,  
and Materials Society*  
Carl J. Boehlert, Ph.D.  
Michigan State University

Darryl Butt  
University of Utah

Stephen H. Carr, Ph.D., P.E.  
Northwestern University

Terry S. Creasy, Ph.D.  
Texas A&M University,  
College Station

Biman Ghosh, Ph.D., PMP  
Rockwell Automation

Subhadra Gupta, Ph.D.  
The University of Alabama

Raghu Srinivasan,  
Ph.D., P.E.  
Wright State University

John M. Tartaglia, Ph.D.  
Element Materials  
Technology

# ABET Professional Staff

## EXECUTIVE

**Chief Executive Officer**  
Michael K. J. Milligan,  
Ph.D., P.E., CAE

**Special Advisor**  
Larry A. Kaye\*, Ph.D.

**Special Advisor**  
Alaa Ashmawy\*, Ph.D., P.E.

**Special Advisor**  
Neil Gaught\*, FRSA

**Director,  
International Engagement  
and Governance**  
Daniela Iacona, CAE

**Specialist, Board Operations**  
Francie Bacon

## ACCREDITATION

**Chief Accreditation Officer,  
Chief Information Officer**  
Joseph L. Sussman,  
Ph.D., F.ASME

**Senior Director,  
Accreditation Operations**  
Jane Emmet, M.A.T.

**Adjunct Director,  
Accreditation Operations**  
Maryanne Weiss

**Adjunct Accreditation Director**  
M. Kantha Reddy\*, Ph.D.

**Manager, Accreditation**  
Ellen Stokes

**Manager, International  
Accreditation**  
Sherri Hersh

**Coordinator,  
International Accreditation**  
Anna Karapetyan

**Manager, US Accreditation**  
Tom Walker

**Assistant to the Chief Accreditation  
Officer and Quality Management  
System Coordinator**  
Beth Mundy

**Specialist, Accreditation**  
Bryna Ashley

**Accreditation Assistant**  
Shaina Lennon

**ANSAC**  
*Applied and Natural Science  
Accreditation Commission*  
Amanda Reid, J.D.

Adjunct Accreditation Director,  
Applied and Natural Science

**CAC**  
*Computing Accreditation  
Commission*  
Harold Grossman\*, Ph.D.  
Adjunct Accreditation Director,  
Computing

**EAC**  
*Engineering Accreditation  
Commission*  
M. Dayne Aldridge\*, Sc.D., P.E.  
Douglas R. Bowman\*, Ph.D., P.E.  
Susan E. Conry\*, Ph.D.  
Winston F. Erevelles\*, Ph.D.  
Adjunct Accreditation  
Directors, Engineering

**ETAC**  
*Engineering Technology  
Accreditation Commission*  
Frank Hart\*, P.E., P.S.  
Adjunct Accreditation Director,  
Engineering Technology

## CONSTITUENT RELATIONS

**Director, Constituent Relations**  
Stephanie Harrington, M.S.

## TRAINING

**Adjunct Director, Training**  
Stan Thomas\*, Ph.D.

**Manager, Training**  
Ashley Appleman

**Coordinator, Training**  
Veronica Sigai

## INFORMATION MANAGEMENT

**Senior Director,  
Information Management**  
Joe Luksic

**Software Architect**  
Hwan-Kyung Chung

**Senior Software  
Applications Developers**  
Tyler Beard  
Michael Marshall

**Senior Front End Software  
Applications Developer**  
Shannon Fitzgerald

**Coordinator, Helpdesk**  
Nicholas Ryan

**Quality Assurance Analyst**  
Sukriti Baskota

## COMMUNICATIONS AND MARKETING

**Director, Communications  
and Marketing**  
Lisa Lance, M.A.

**Senior Specialist, Marketing**  
Sheila Sullivan

**Specialist, Communications  
and Content**  
Tara B. Hayes

**Graphic Designer**  
Patrick Rice

## FINANCE AND OPERATIONS

**Chief Financial Officer,  
Chief Operating Officer**  
Jessica Silwick, CPA, MBA, CAE

**Director, Professional Programs**  
Robyn Hall, MBA

**Director,  
Human Resources and Operations**  
Rachelle Daucher, PHR,  
SHRM-CP

**Director, Accounting**  
Kimberly Turner

**Senior Manager of Events**  
Susan Parker

**Facilities Maintenance Technician**  
Brock Peterson

**Specialist, Payroll, Benefits  
and Program Offerings**  
Chris Russo

**Senior Accountant**  
Kari Kishiyama

**Specialist, Accounting**  
Alyssa Hernandez

**Assistant to the Chief Financial  
Officer, Chief Operations Officer  
and Office Support Specialist**  
Vida Reboca

**Senior Adjunct Director,  
Professional Offerings**  
Gloria Rogers\*, Ph.D.

**Adjunct Directors,  
Professional Offerings**  
Daina Briedis\*, Ph.D.  
James N. Warnock\*, Ph.D.



**ABET**

415 N. Charles St.  
Baltimore, MD 21201 USA  
Phone: +1 410 347 7700  
[www.abet.org](http://www.abet.org)

Copyright© 2023 by ABET  
All rights reserved.