

ABET SYMPOSIUM QUICK REFERENCE SHEET



FOCUS AREAS

Accreditation

Our presenters will share their experience incorporating the ABET accreditation processes and procedures into their specific programs. You will get to learn more about key success factors and challenges they experienced.

Assessment

During these sessions, presenters will highlight best practices in program assessment by sharing their framework and the lessons learned along the way.

Sustainability

Now more than ever, students must be prepared with the skills and knowledge to create solutions to combat climate change, ensure inclusive and quality education and reduce inequality. Faculty from different parts of the globe will discuss innovative projects that relate to the NAE Grand Challenges and/or the UN Sustainable Development Goals (SDGs).

Diversity & Inclusion

As there is compelling evidence that diversity & inclusion unlock innovation and enable creative competitive advantage, universities and programs strive to be more inclusive and responsive to the needs of a more diverse student body. Hear from different speakers about initiatives they are implementing in their programs.

PLENARY SESSIONS

SUSTAINABILITY: BUILDING A BETTER WORLD

Thursday, 8:30-9:30, Grand AB

Rossana D'Antonio, Allison Jordan, Michael Milligan, Sam Shen

In our Opening Plenary, thought leaders from academia, government and industry will share their experience embedding sustainability in their work. From the classroom, to one of our country's largest counties to the wineries in California, our panelists will share their insights on issues ranging from the impact of climate change in their industries to ways to make our lives more sustainable. During this session, moderated by NPR's Aarti Shahani, we will discuss the challenges and the opportunities that lie ahead not only for STEM educators and students but also for society as a whole.

A FIRESIDE CHAT WITH MICHAEL LIGHTNER AND RICHARD MILLER

Thursday, 4:15-5:00, Grand AB

Michael Lightner, Richard Miller

A fireside chat is an informal conversation between a moderator and his/her guest. Last year, Olin President Richard Miller spoke about his experience creating a forward-thinking and innovative engineering school from scratch, 20 years ago. Our participants had so many questions and were so inspired by what they heard that we knew we had to bring Miller back for more. So we invited ABET President Michael Lightner to guide this highly anticipated discussion that you cannot miss. We will be taking your questions prior and during the session via our Symposium App.

DIVERSITY AND INCLUSION: GREAT MINDS, GREATER IMPACT

Friday, 8:30-9:30, Grand AB

Kristen Constant, Karen Horting, Gozie Nwabuebo, Yvette E. Pearson

In our Great Minds, Greater Impact plenary session, our panel of luminaries will take the stage to discuss how diversity & inclusion initiatives are shaping not only their own organizations but the entire STEM field. They will share some of the challenges faced and lessons learned along the way and how they see their field evolving in the next few years and decades. Aarti Shahani joins us again guiding this thought-provoking discussion and engaging the audience in a Q&A session.

HARBOR **A**

HARBOR **B**

HARBOR **C**

HARBOR **G**

HARBOR **H**

HARBOR **I**

DISCUSSION DEN

THURSDAY

7:00-8:00

Breakfast (Harbor Foyer)

8:30-9:30

Opening Plenary: Sustainability: Building a Better World (Grand AB)

10:00-11:00

● Exploiting Diversity, Equity and Inclusion For Team-Based Learning Success

● Using the FE Exam for Effective Outcomes Assessment

● Sustainability in Engineering: From First Year to Last

● Engineering Education and UN Sustainable Development Goals: Continuing the Conversation

● Competency-Based Assessment: Reassessing Assessment Methods to Produce Holistic Engineers

● We Are Interested in Seeking ABET Accreditation: Are We Ready?

11:15-12:15

● Developing Communication Competence in a Diverse World: Tips and Tools

● Demonstrating Compliance with Criterion 4

● Mapping Sustainability in Project Design Courses to ABET Student Outcomes

● The Journey to Carbon Neutral—Strategies and Lessons from UCSD

● An Open-Source Web Application for Criteria 3 and 4

● Building Online and Hybrid Degree Programs—Models that Work

● Ask Me Anything #AMA International Accreditation

12:15-1:30

Lunch (Grand AB)

1:30-2:30

● Vertically Integrated Projects: Diverse, Multidisciplinary and Scalable Project Based Learning

● Navigating the Changes to the ABET Computing Accreditation Criteria

● Alternative Approaches to Integrate Sustainability into Engineering Education

● Introducing Freshmen to Professional Responsibilities Using Sustainability Case Studies

● The Heart of the ABET Process is "Learning"

● How to Prepare for Your ABET Site Visit

● Ask Me Anything #AMA Why Become a PEV?

2:30-3:00

Networking Break (Harbor Foyer)

3:00-4:00

● Fostering Respect for Diversity Using Curriculum, Goals and Personal Example

● The Department Chair's Survival Guide to Program Assessment

● Industry Advisory Council-Sponsored Session: Sustainability: Perspectives from Industry & Academia

● Global Learning for Global Results

● Top 10 Tips for Writing Good Self-Study Reports

● The Future of Cybersecurity Education: 2-Year and 4-Year Programs

● Ask Me Anything #AMA Accreditation

4:15-5:00

Fireside Chat (Grand AB)

5:00-6:30

Reception (4th Floor Pool Deck)

7:30-8:30

Breakfast (Harbor Foyer)

8:30-9:30

Closing Plenary: Diversity and Inclusion: Great Minds, Greater Impact

9:30-10:00

Networking Break (Harbor Foyer)

10:00-11:00

● Diversity and Inclusion as an Integral Component of Program Improvement

● Anticipating Transition: Engineering Criteria Revisions Coming in 2019-20

● Sustainability Options, Courses and Track for BS in Civil Engineering

● Incorporating Sustainability Principles and Rating Systems in University Courses and Curricula

● Developing and Assessing Student Team Skills in an Online Classroom

● The Development of Effective Program Educational Objectives

● Ask Me Anything #AMA Accreditation

11:15-12:15

● Transforming Engineering Culture to Advance Inclusion and Diversity (TECAID) Project

● Successful Transition to the Planned Changes to ETAC Criteria 3 and 5

● The MAGIC Project: a Multi-Disciplinary Approach Towards a Sustainable, Inclusive Community

● Promoting Environmental Justice Through Collective Community Action

● Efficient Preparation Strategies for Online/Hybrid Programs

● Proposed Revisions to Applied and Natural Science Program Criteria

● Ask Me Anything #AMA Assessment

12:15-1:45

Lunch (Grand AB) with #ABETconfident Award Presentation and Leaderboard Winners

1:45-2:45

● Broadening Participation in Engineering at Minority-Serving Institutions: An HBCU Case Study

● Charting "New" Waters—ABET's New Student Outcomes

● Sustainability at the Core: Addressing the Grand Challenges of the 21st Century

● Sustainability in University-Industry Cooperation

● Using ABET Accreditation as a Catalyst to Create Globally-Focused Engineering Programs

● Innovation Award Winner—Iron Range Engineering & Twin Cities Engineering

2:45-3:15

Networking Break (Harbor Foyer)

3:15-4:30

ANSAC Town Hall

EAC Town Hall

ETAC Town Hall

CAC Town Hall

FRIDAY

Focus Areas

- Accreditation
- Assessment
- Sustainability
- Diversity & Inclusion
- Discussion Den