

The National Academies of SCIENCES • ENGINEERING • MEDICINE

POLICY AND GLOBAL AFFAIRS DIVISION

Board on Higher Education and Workforce

TOWN HALL MEETING

STEM Student Success: Investing in Minority Serving Institutions for Our Future Workforce

The National Academy of Sciences Building
2101 Constitution Ave NW, Washington, DC | Room 120

AGENDA

Monday, November 4, 2019

9:00-9:15A

Welcome

Tom Rudin, *Director, Board on Higher Education and Workforce, National Academies of Sciences, Engineering, and Medicine*
Evelyn Kent, *Director, HBCU/MI Program and Outreach, Office of the Under Secretary of Defense for Research and Engineering*

9:15-9:45A

Keynote

JihFen Lei, *Deputy Director for Research, Technology and Laboratories, Office of the Under Secretary of Defense for Research and Engineering*

9:45-10:45A

I. Advancing the Nation's STEM Workforce Through Minority Serving Institutions

Panelists will set the stage for the meeting with a discussion on the need for a STEM capable workforce and the role MSIs play in filling this need. Panelists will discuss effective strategies to increase STEM workforce preparation at MSIs from their experiences and organizational perspectives. Panelists will discuss the recommendations from the National Academies recent consensus report, *Minority Serving Institutions: America's Underutilized Resource For Strengthening The STEM Workforce*.

Panel Discussion:

Lorelle L. Espinosa, *Vice President for Research, American Council on Education*
Aprille J. Ericsson, *New Business Lead, Instrument Systems and Technology Division, NASA Goddard Space Flight Center*
Lamont Hames, *President and CEO, LMH Strategies, Inc.*
Victor R. McCrary, *Member, National Science Board; Vice President for Research & Graduate Programs, University of the District of Columbia*

10:45-11:00A

BREAK

11:00A-12:15P

II. Policies, Programs, and Partnerships for STEM Success Among MSI Student Populations

In this session leadership from local and regional MSIs will present their institutional approaches, including policies, programs, and partnerships, for cultivating and supporting the success of their students in STEM fields. They will discuss the development of their approaches; challenges in implementation and management and how they were addressed; measuring program outcomes and defining success; the potential for replication or adoption by other MSIs; and ways other MSIs,

non-MSIs, government agencies, and nongovernmental organizations can contribute. From this discussion, established MSIs may find new ideas for initiatives that complement their efforts to recruit and retain students, while newly emerging MSIs can become aware of the effective strategies to support the success of their rapidly changing student demographic.

Panel Presentations and Discussion:

Calvin W. Lowe, *Dean of the School of Science, Hampton University*

Fengshan Liu, *Associate Vice President for International Affairs, Delaware State University*

Lawrence T. Potter, *Chief Academic Officer, University of the District of Columbia*

Moderator:

Lenora Peters Gant, *National Security Executive Senior Advisor, Howard University School of Business*

12:15-1:00P

LUNCH

1:00-1:45P

III. Facilitated Discussion: Identifying Challenges to Building a Future STEM Workforce at MSIs

Despite limited resources, MSIs have been successful in providing multifaceted return on investment for students, communities, and the STEM workforce. With targeted funding, attention, and support, they can contribute much more. In this session, Dr. Lorelle Espinosa will lead a conversation with meeting participants to identify the most prevalent and challenging issues MSIs and other stakeholder groups face in building a future STEM capable workforce, and guide the discussion to encourage participants to identify solutions.

Facilitator:

Lorelle L. Espinosa, *Vice President for Research, American Council on Education*

1:45-2:30P

IV. Breakout Session: Taking Action to Overcome Barriers

Participants will divide into three facilitated breakout groups. Reflecting on the day's discussions, they will come to consensus on the most significant barriers in building capacity and partnerships at MSIs. They will then identify action that can be taken to address these barriers. Facilitators will summarize and report back on their ideas for action.

Facilitators:

Arthur McMahan, *Senior Associate Director, White House Initiative on HBCUs*

Patricia Huff, *HBCU/MI Program Manager, Army Research Office, Technology Integration & Outreach Division*

Michael J. Hester, *President and CEO, MSI STEM Research & Development Consortium*

2:30-2:55P

Report Back (*All participants should reconvene in Room 120*)

Facilitators will report out to the larger group

2:55-3:00P

Closing Comments & Adjourn

NOTES FOR MEETING PARTICIPANTS:

- This meeting is being live webcast until 1:45pm at <http://bit.do/MSISTEM>
- In person and online participants can ask questions during the meeting through the app, Sli.do. Please visit Sli.do or download the app and type in **#MSISTEM**.
- In person participants can also ask questions using the audience mics. Please state your name and affiliation when asking questions.
- Use hashtag **#MSISTEM** to tweet about this town hall meeting.
- Soon after the meeting, an archive of the video webcast and presentation slides will be available on our webpage.
- Copies of the NASEM consensus report, “*Securing Our STEM Education and Workforce Readiness Infrastructure in the Nation's Minority-Serving Institutions*,” are available on the registration table and are free for participants to take. The report is also available for free download at <http://bit.do/MSISTEM>
- For more information on NASEM’s Town Hall Series around the consensus report please contact John Veras at jveras@nas.edu.