

The National Academies of **SCIENCES • ENGINEERING • MEDICINE**

POLICY AND GLOBAL AFFAIRS DIVISION

Board on Higher Education and Workforce

VIRTUAL TOWN HALL

Advancing STEM Workforce Preparation and Research Capacity at Tribal Colleges and Universities

AGENDA

May 13, 2021 | 12:30pm-3:00pm ET

Webcast Live Here: <https://www.nationalacademies.org/event/05-13-2021/town-hall-advancing-stem-workforce-preparation-and-research-capacity-at-tribal-colleges-and-universities>

The National Academies of Sciences, Engineering, and Medicine (NASEM) invites you to join a virtual town hall to hear from leadership and faculty at select Tribal Colleges and Universities (TCUs) on their institutional goals for advancing STEM workforce preparation and research capacity on their campuses, and the steps they are taking to meet these goals.

TCUs fulfill a dual mission: educating students and addressing Native American tribal priorities, such as contributing to not only the economic growth of the reservation, but also community development, and social renewal. Most TCUs offer academic programming that has a direct connection to local workforce needs. Such efforts increase students' applicable skill sets, boost their earning potential, and provide incentives for graduates to remain in the community. Over the past several decades, STEM-focused programming at TCUs has increased. Grant-funding opportunities and partnerships with federal agencies have enabled TCUs to expand their STEM programming; offer new degree options in the fields of information technology, environmental science, and science education; and provide research internship opportunities for their students. While progress has been made to bolster and sustain STEM success for this traditionally underrepresented population of students, additional investments and resources are needed.

This event is one in a series of town halls NASEM is conducting in collaboration with Minority Serving Institutions to (1) promote the findings of the 2019 National Academies report, [*Minority Serving Institutions: America's Underutilized Resource for Strengthening the STEM Workforce*](#), (2) hear how MSIs are working to advance STEM workforce preparation, education, and research capacity, and (3) foster new discussions and solutions around these issues.

The audience will have an opportunity to engage with speakers through moderated discussion.

12:30-12:35p WELCOME AND OPENING REMARKS

National Academies of Sciences, Engineering, and Medicine

12:35-1:45p

SESSION I: President Perspectives: Institutional Goals to Advance STEM

Moderator: Carrie L. Billy, President & CEO, *American Indian Higher Education Consortium*

- President Leander "Russ" McDonald, *United Tribes Technical College*

- President Elmer Guy, *Navajo Technical University*
- President Sandra Boham, *Salish Kootenai College*
- President Richard Littlebear, *Chief Dull Knife College of the Northern Cheyenne Nation*

TCU presidents will discuss their plans, challenges, successes, and needs for advancing STEM workforce preparation and research capacity at their respective institutions.

1:45-2:45p

SESSION II: Faculty Perspectives: Successes and Best Practices

Moderator: Al Kuslikis, Sr. Associate for Strategic Initiatives, *American Indian Higher Education Consortium (AIHEC)*

- Ms. Mandy Guinn, Environmental Science & Research Chair, *United Tribes Technical College*
- Dr. Peter Romine, Associate Professor & Head, Electrical Engineering & Computer Engineering, *Navajo Technical University*
- Dr. Adrian Leighton, Dean of the Division of Natural Resources and Sciences, *Salish Kootenai College*

Faculty representatives from each institution will present on specific strategies and programs that have had success in increasing STEM workforce preparation and/or institutional research capacity among their student populations. Presentations will be followed by moderated discussion.

2:45p-3:00p

CLOSING REMARKS & ADJOURN

NOTES

- For more information on this event: <https://www.nationalacademies.org/event/05-13-2021/town-hall-advancing-stem-workforce-preparation-and-research-capacity-at-tribal-colleges-and-universities>
- This meeting will be livestreamed and archived for future viewing at the link provided at the top of this document, along with presentation materials.
- Public participants may submit questions for speakers online while viewing the webcast.
- Speaker bios will be posted to the webpage prior to the event.