



AMERICAN INDIAN SCIENCE
AND ENGINEERING SOCIETY



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Founded in 1977, the mission of **AISES** is to substantially increase the representation of American Indians, Alaska Natives, Native Hawaiians, Pacific Islanders, First Nations, and other indigenous peoples of North America in science, technology, engineering and math (STEM) studies and careers.



Pre-College



College



Professional

Convening on CS Research Infrastructure for Native-Serving Institutions

September 27-28, 2019

Chicago, IL

Key Constituents: Faculty, staff, and leadership at Native-serving institutions

Meeting Goal(s):

- Understand barriers and challenges to conducting CS research across different types of institutions
- Understand barriers and challenges to securing funding for CS research across different types of institutions

Outcomes/Takeaways:

- Identified need for mainstream 4-year institutions to collaborate with 2-year institutions and tribal colleges and universities to successfully conduct CS research, engaging Native students/communities
- 4-year institutions were most interested in understanding how to recruit and retain Native students in CS courses and research
- Identified need to engage in interdisciplinary research, including CS

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Meeting Goal(s):

- Identify collaborations and connect institutions and faculty to existing resources, best practices, and opportunities.
- Develop an action plan to address critical issues impeding CS research

Outcomes/Takeaways:

- 2-year & TCUs cited lack of institutional support for grant writing and conducting research
- 2-year & TCU faculty were also unfamiliar with developing and conducting CS research projects
- Recognized need to effectively communicate benefit and relevance of CS Research to Native students
- Typical resource limitations: time, sustainable funding, facilities, qualified faculty, access to data, prepared students, etc.

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Next Steps:

- Identify and develop effective collaborations between 2-year and 4-year institutions
 - Support research at the 2-year institutions
 - Engage Native students at the 4-year institutions
 - Provide grant writing technical training
- Provide recommendations for building capacity of 2-year institutions and TCUs to develop and conduct CS research