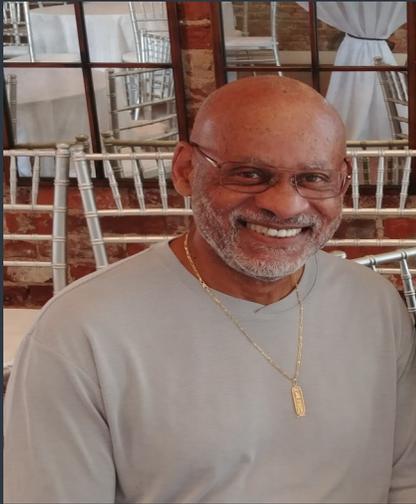


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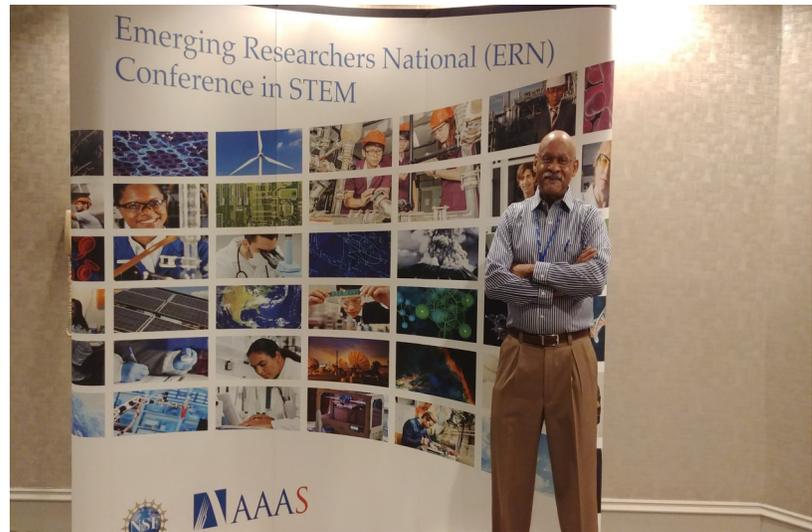


Over 1200 students, university advisors, research center representatives, corporate officials, and federal agency officials attend this event.

This is a brief summary on one of the break-out sessions.

Lawrence P King

# STEM NEWS CHRONICLE



## Special Edition Report

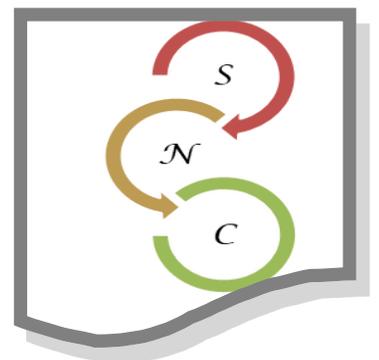
2023 AAAS/ERN

TECHNICAL ASSOCIATION  
WORK GROUP

February 10, 2023

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STEM NEWS CHRONICLE™



This was my second year of attending the AAAS/ERN conference as Founder of STEM News Chronicle. <https://www.snchronicle.com>

## **Work Session for Technical Societies**

I attended the forum of Technical Societies with is a gathering of a couple dozen groups representing populations underrepresented in STEM.

Interest in the potential melding of strategies among professional minority technical societies with the majority organizations is being re-kindled through the motivation of the AAAS. The outreach to known groups did not produce the turnout at the ERN 2000 conference.

What began as groups of small discussions among Black technical societies in the early 1980's in Denver, Hampton, Los Angeles, and San Diego has become adopted by a few of the majority technical societies due to the need to expand diversity of gender, race, and culture within the engineering and scientific academia and industry. To that end, technical groups representing other races and cultures have been formed. Some have local and national service areas or focus primarily on issues unique to ethnic groups.

The major technical societies that have exercised oversight over the advancement of engineering and scientific inquiry and certification and is now responding to most of the non-white persons who are the future STEM workforce.



The leadership of these organizations now have outreach and diversity sub-programs. They are also beginning to understand the value of partnering with the forty-some similar organizations that are composed of women and minority individuals. AAAS has signaled the importance of a new paradigm for professional societies is significant. AAAS participants were Dr. Shirley Malcom, AAAS and Dr. Travis York, AAAS Director of Inclusive STEMM Ecosystems for DEI.

**Dr. Shirley Malcom**

## Attending Group Highlights

### **AISES**

The American Indian Science and Engineering Society (AISES) is a national nonprofit organization focused on substantially increasing the representation of Indigenous peoples of North America and the Pacific Islands in science, technology, engineering, and math (STEM) studies and careers.

Indigenous Peoples in the Americas are innovative and successful managers of their lands and resources for tens of thousands of years. Native innovation is anchored in a deep understanding of how tools and technologies are best suited to the environment. Gladly, interest and contributions by increased numbers of native people in science and engineering is growing thanks to organizations like AISES and the institutions that provide them education beyond high school.

#### The AISES Vision

The vision of the American Indian Science and Engineering Society (AISES) is for the next seven generations of Native people to be successful, respected, influential, and contributing members of our vast and ever-changing global community.

Fortunately, groups dedicated to the advancement of Native American and Chicano scholars in STEM are growing in popularity around the country. More and more, Native Americans are entering STEM fields, but there is still a lack of representation in the classroom. Most higher education institutions lack culturally relevant inclusion and support strategies for Native American students and faculty. Dr. Smith will seek to encourage more students and its professional members to participate in authoring articles for organizations like STEM News Technical Journal for the benefit it can have on career advancement.



**Contact person:** Tiffany D Smith, PhD., director of Research AISES

CoNECD – Collaborative Network for Engineering and Computing industry (within ASEE)

The organization promotes its event as the only conference dedicated to all the diverse groups that comprise our engineering and computing workforce. The vision of the CoNECD (pronounced, “connected”) Conference is to provide a forum for exploring current research and practices to enhance diversity and inclusion of all underrepresented populations in the engineering and computing professions including gender identity and expression, race and ethnicity, disability, veterans, LGBTQ+, 1st generation and socio-economic status.

Coincidentally this organization held a conference soon after the ERN as a forum for exploring current research and practices to enhance diversity and inclusion of all underrepresented populations in the engineering and computing professions including gender identity and expression, race and ethnicity, disability, veterans, LGBTQ+, 1st generation and socio-economic status.

February 26 - 28, 2023 Downtown Marriott Convention Center

New Orleans, LA. Among Featured Speakers

Dr. Monique Ross

Dr. Joel Alejandro (Alex) Mejia

Dr. Ershela Sims

Mr. Jahi Simbai

## **American Educational Research Association**

Dr. George Wimberly represented this organization. He is expert in science education policy and research development and building research capacity among graduate students and early career scholars. Dr. Wimberly and I participated in this same workgroup during the ERN 2000.

2023 AERA ANNUAL MEETING

CHICAGO, APRIL 13-16, 2023 | VIRTUAL, MAY 4-5, 2023

Notable scholars attending the 2023 annual Meeting include, Dr. Cornell West, Rich Milner, Arnetha Ball, and Linda C. Tillman.

Contact AERA: (202) 238-3200, [annualmtg@aera.net](mailto:annualmtg@aera.net)



## **CHANGES** (Coalition of Hispanic, African and Native Americans for the Next Generation of Engr's and Scientists)

This group formed in 2013 was represented by Hattie Carwell, President as a coalition of ten (10) Hispanic, African American, and American Indian, Science, Technology, Engineering, and Mathematics (STEM) and Architecture-focused professional organizations working together to broaden participation in STEM by encouraging scientific and technical excellence, fostering workforce development and inclusion, and developing policies and programs that promote workforce diversity in science and engineering.

The constituencies of CHANGES represent a growing demographic in the workforce and a largely untapped source of intellectual human capital. CHANGES is similar to many of the other groups comprised of minority scientist, technologists and educators that are critical stakeholders seeking to have a stronger voice and visibility at the STEM development and policy-making table when it comes to successful capacity building of minority technical talent.



One of the interesting discussions among several was my chat with **Dr Travis York** (Director of Inclusive STEMM Ecosystems for Equity & Diversity at AAAS) on the topic of America's original people.

Travis is of Native American heritage. Many Native American students come to mostly 2 year campus with dual citizenship, meaning they are a citizen of their tribal nation. Native American students are either intertribal or multi-racial. Intertribal means they

hold citizenship with one tribe but are descendants of multiple tribes.

I had worked with Dr, Louis A Hill past Dean of Engineering at University of Akron an Oglala Sioux. We along with David Jones and William Graham, Akron Urban League started the Minorities in Mainstream Technology program at the university to increase the number of African American students who enroll at UA, major in in engineering or science, and graduate. From an initial start with five enrolled, the program now ranks among the best engineering schools.