



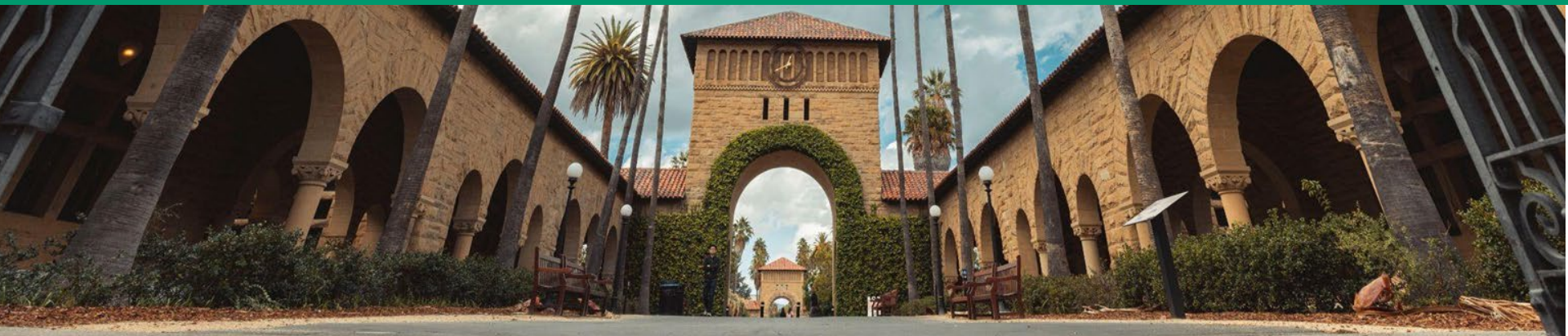
nano@stanford Site Presentation

2022 NNCI Annual Conference

October 21, 2022

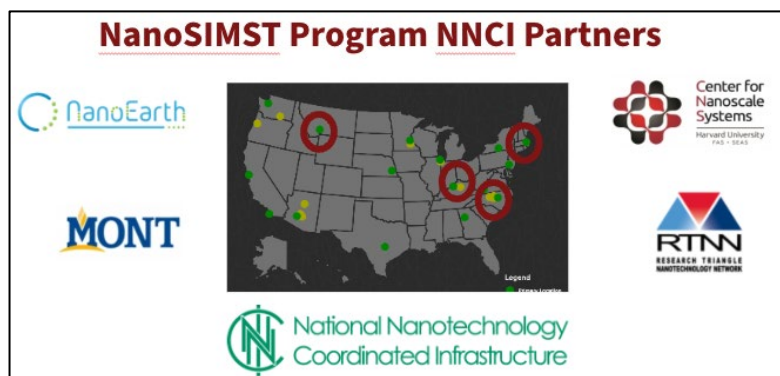
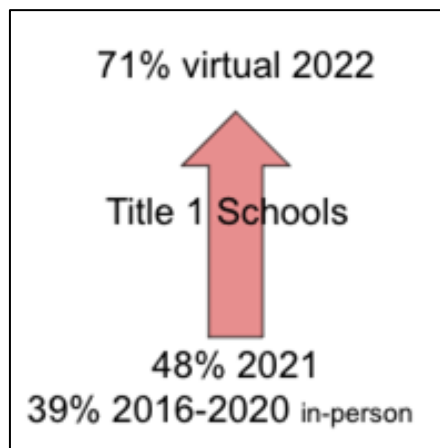
Daniella Duran (Director of Education & Outreach)

Sara Ostrowski (Associate Director)



NanoSIMST Virtual Network Expansion

Lead expansion of 5 day **Nano Summer Institute for Middle School Teachers**- a virtual program addition to reach low resource communities in partnership with 4 NNCI sites



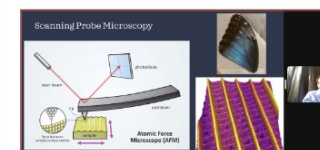
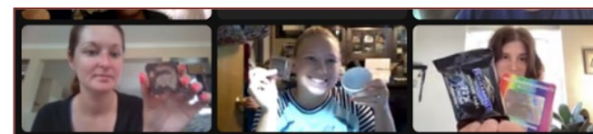
“This is the best workshop I have ever been done.” (in-person & virtual)

-More than **doubled** our impact! **21 Teachers** in **11 states** across the country participated!

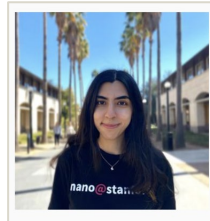
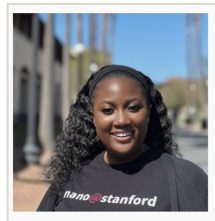
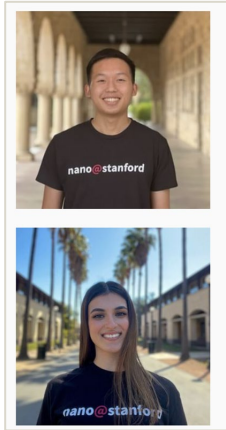
-Impact magnified- **1 teacher : 100 students/ year**, 11 teachers already implemented a lesson!



100% surveyed would recommend this to a colleague



WFD: Community College Internships



[@internsnanostanford](https://www.instagram.com/internsnanostanford)



- Mutually beneficial for students' hands on paid experience - providing *facility & outreach support*. Currently 9 total from 3 colleges- doubled!
- All 5 senior interns elected to stay past the 20 week experience- 11 months and counting!!
- Sense of Belonging and Community- Senior interns have lead facility tours, created an IG, assisted with education and outreach preparation, and attended workshops to share their experiences with faculty, teachers, and peers.



WFD: Community College Partnerships

Micro internships, DEI focused



Science Learning Institute, SLI Partnership

- SLI supports first generation and underrepresented STEM students at Foothill College
- 30 STEM micro-internships (shorter 10 week experiences to lower barriers to entry)
- 4 facility tours (virtual and in-person) reaching 110 underrepresented students
- 2 STEM Faculty Workshops to raise awareness of nano resources



New Program/Direction: Workforce Development (WFD)

Prompt: What new program have you introduced recently? What issue/objective does this program address? What are the benefits of this program?

nano@stanford organized a **WFD mini-workshop**

Issue addressed: How can we address the Chips Act within our region?

Benefits: Gain awareness of activities in our region & identify collaboration opportunities

- Focused on the San Francisco Bay Area region
- Introduced 18 academic, industry, & gov. institutions
- ~40 individual participants



American Semiconductor
Academy Initiative



nano@stanford

Bay Area WFD Mini-Workshop Format

#1 Lightning Talk Session

#2 Discussion/Listening Session

Optional speaker photo here

Presenter Name
Presenter Title

2

Organization Name
Subtitle for additional org. info

- Introduce the group to your organization
- Existing WFD activities:
- Future WFD ideas:

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NCCI is supported by the National Science Foundation under award ECCS-1542152.

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Sophia Kim
SLI Director

FOOTHILL COLLEGE

9



Berton Mahardja
Sr. Manager, Global Education Initiatives

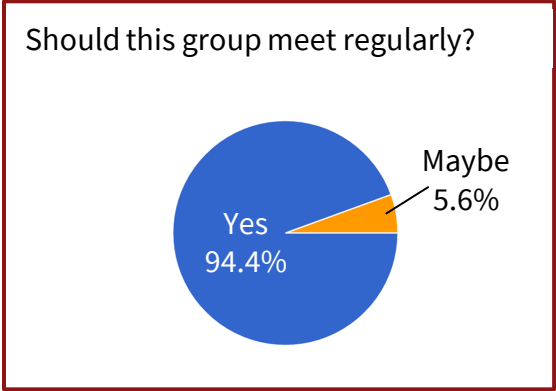
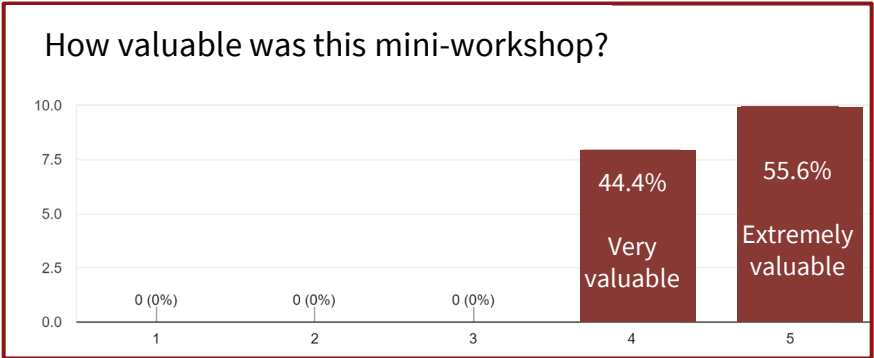
semi

Room #

1. What **synergies** do we have in the Bay Area WFD community?
2. What is the **dream/vision** for WFD in the Bay Area? What are the **gaps/needs**?
3. What are the **next steps** to continue building this community? How do we continue to engage?

Bay Area WFD Mini-Workshop Results

- Extensive brainstorming content from breakout rooms
- Email distribution list of 46 people
- Plan to write a white paper
- Plan to collaborate to create a Bay Area alliance for WFD



What did you learn that surprised you?

“The breadth of ongoing WFD initiatives in the Bay Area”