**MNTeSIG Meeting Survey**

July 23, 2019 at HI-TEC

Thank you for attendance and active participation in the Tuesday July 23, 2019 MNTeSIG Collaboratory Meeting. Please take a moment to respond to these few questions about this meeting.

You may fill out this paper survey or if you prefer, fill it out online:

<https://www.surveymonkey.com/r/MNTeSIG_2019>

**PARTICIPANT CONTACT / DEMOGRAPHIC INFORMATION**

**Please note that the External Evaluation team may have some follow up questions. Your name and any information provided will be kept confidential.**

1. Contact Information.

|  |  |
| --- | --- |
| Your Name |  |
| Your Email Address |  |

1. Your Occupation.
* Education
* Industry
* Other, please specify: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. Educational Institution (If educator).
* K-12
* Community/Technical College
* University
* Other, please specify: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. Nature of Industry/Business (if industry).

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| --- | --- |
| Please specify |  |

1. Where do you work or go to school?
* Pacific Northwest
* Pacific Southwest
* Northeast
* Southeast
* Northern Midwest
* Southern Midwest
* Rocky Mountain Region
* Other, please specify: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. If you are in education please select one of the following:
* Teacher / Instructor
* Administrator
* Counselor
* ATE Center Staff
1. If you are a teacher or career specialist, how many students do you teach / advise annually?

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1. Gender.
* Male
* Female
* Transgender
* Other gender identity, please describe: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. Ethnicity: Are you…
* **Yes, Hispanic/Latino** (A person of Cuban, Mexican, Puerto Rican, Cuban, South or Central American, or other Spanish culture or origin, regardless of race.)
* **Not Hispanic/Latino**
1. What is your race? (Choose one or more)
* **American Indian or Alaska Native** (A person having origins in any of the original peoples of North and South America (including Central America), and who maintains tribal affiliation or community attachment.)
* **Asian** (A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.)
* **Black or African American** (A person having origins in any of the black racial groups of Africa.)
* **Native Hawaiian or Other Pacific Islander** (A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.)
* **White** (A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.)

**MNTeSIG EVALUATION**

1. Please rate the MNTeSIG today’s activities by checking a number that best describes your judgment. (Consider 1 as poor and 4 as excellent).

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| --- | --- | --- | --- | --- | --- |
|  | Excellent | Good | Fair | Poor | N/A |
| Meeting Planning and Organization  | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Meeting Facilities, Room, Acoustics, Food   | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Welcome/Introduction—Review of Asset Book    | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Keynote – Todd Christenson, Keynote Talk | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Poster Review Session(s) | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |

1. Lightning Round #1. (Consider 1 as poor and 4 as excellent).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Excellent | Good | Fair | Poor | N/A |
| Overall Rating  | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Micro-credentials, a life preserver for drowning nano programs | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| College Lessons Learned from a Collaboration with Normandale Community College  | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Omni Nano Digital Curricula &Textbook for Online and Hybrid Nanotechnology Courses  | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Combined Fundamental Science and Nanotechnology OER Laboratory Manual  | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |

1. Lightning Round #2. (Consider 1 as poor and 4 as excellent).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Excellent | Good | Fair | Poor | N/A |
| Overall Rating  | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Effectiveness on Nano-based Undergraduate Research in Increasing Student Success  | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| In Quest of Universal Nanotechnology Standards  | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Online Visualization and Simulation Tools for Nanotechnology Education  | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |

1. Overview of National Center proposal (Jared Ashcroft). (Consider 1 as poor and 4 as excellent).
* Excellent
* Good
* Fair
* Poor
* N/A
1. MNTeSIG Moving Forward Small Group Sessions and Report Outs. (Consider 1 as poor and 4 as excellent).

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| --- | --- | --- | --- | --- | --- |
|  | Excellent | Good | Fair | Poor | N/A |
| Overall Session | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Curriculum Development  | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Faculty Professional Development | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Outreach and program building, include student input  | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Industry involvement | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Growing MNTeSIG community  | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |

1. Celia Merzbacher  - On the Horizon – Closing keynote. (Consider 1 as poor and 4 as excellent).
* Excellent
* Good
* Fair
* Poor
* N/A
1. What did you gain from participating in the MNTeSIG Community meeting? (Please select your top 3).
* Gather Curriculum Ideas for new programs
* Identify best practices
* Learn new hands-on lab activities
* Network with colleagues
* Cultivate new connections
* Learn about micro / nano technology topics and careers (for students)
* Other (please specify): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. How likely are you to implement ideas and concepts you learned at the MNTeSIG in your classes?
* Extremely Likely
* Likely
* Not Very Likely
* Not at all Likely
* Does not apply to me
1. How likely are you to be an active part of the MNTeSIG Community after this meeting?
* Extremely Likely
* Likely
* Not Very Likely
* Not at all Likely
* Does not apply to me
1. Which of the following actions do you plan to take using the materials or information you gained at the MNTeSIG Meeting to impact your students or colleagues? (Please select all that apply
* Facilitate micro or nanotechnology education at my institution
* Encourage students to enter the micro or nanotechnology field
* Develop internship opportunities
* Be more effective in the classroom with students
* Engage and grow collaborative partnerships
* Align micro and nanotechnology curriculum with industry needs
* Follow up on connections made at the MNTeSIG meeting
* Modify existing curriculum
* Introduce new modules or curricula
* Create new programs of study (i.e. course, certificate program, etc.)
* Initiate new relationship(s) with local employer(s)

Other (please specify) or please provide additional comments or explanation of your ratings:

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1. Please indicate the level of impact you believe your participation in the MNTeSIG Meeting will have on your students.
* High Impact
* Some Impact
* No Impact
* Not sure
* Does not apply to me
1. Please indicate how you believe your students will be impacted.
* Increased exposure to micro / nano technologies
* Increased awareness of micro / nano technologies
* Increased understanding of micro-nano technologies
* Increased ability to apply knowledge of micro-nano technologies
* Internship or gainful employment
* Other, please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. Overall, how would you rate your overall satisfaction with today’s meeting?
* Extremely Satisfied
* Very Satisfied
* Somewhat Satisfied
* Somewhat Dissatisfied
* Very Dissatisfied

Please provide comments or explanations of your ratings:

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|  |

1. Please indicate how likely you are to do the following:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Extremely Likely | Very Likely | Somewhat Likely | Somewhat Unlikely | Very Unlikely | N/A |
| Recommend attendance at the MNTeSIG F2F Annual Meeting to a colleague | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |
| Recommend joining the MNTeSIG virtual community (regular zoom meetings) to a colleague | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 | 🞏 |

1. What is the most important issue that the MNTeSIG community should focus on in the next six months?
2. What agenda topic(s) would you recommend for next year’s MNTeSIG F2F meeting?
3. How can the MNTeSIG Collaboratory efforts be improved?
4. How important is NSF ATE funding for nano projects, a national center, and resource center to support your future education program?
5. What challenges do you face in nano-education and what would you like the MNTeSIG community do to help you?
6. If you were asked to share and had to pick one highlight to today’s activity what would you say?
7. What actions do you intend to undertake in the next six months to carry forward the work of the MNTeSIG community?
8. If you have participated in MNTeSIG meetings and activities in past years at the HI-TEC conference could you please share with us specific benefits to you and your MNT education program? (This information will be particularly helpful to our NSF program officer.)

*For example: learning about new MNT curriculum materials, which I have introduced into my classes and impact on students;  learned about RAIN network and joined; collaboration with other faculty and educators I met at MNTeSIG meetings on an NSF or other grant project;  learning new strategies for strengthening collaboration with local industry (for example, recruiting new companies to serve on an advisory board, understanding their specific needs for MNT educated workforce, or to make them aware of our MNT education program; creating new internship or work-study opportunities for students.*

Thank you very much for participating in the MNTeSIG Collaboratory meeting today and for responding to this survey. The survey results will be posted on the MNTeSIG website

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| **Nsf1** | *National Science Foundation Advanced Technological Education*  |