

MNT^eSIG 3/23 Meeting Notes

Attendees

Bob E., Danny K., Terryll B., Kate A., Peter K., Andy B., Tom B., Billie C., Pam A., Tanya F., Nancy L., Bei Liu, Rich H., Carol, TJ Bonzon, Jared A.

Newbie

Tom (TJ) Bonzon – middle school teacher in NM (Los Alamos), has been through several workshops/cleanroom – used it when he taught High School. MEMS, batteries, sensors are continue to explode. Andy B. and Cait C., do a lot with arduinos/lab view – TJ wants to move in that direction. Currently uses micro controllers in some of his hands-on activities. Challenge is to have the kits in front of them. Andy and Cait provided email addresses to connect with TJ. See chat box copy at the end.

Discussion

Bob – update on HI TEC – F2F HI TEC contingency plans, either delay or cancellation. Currently, the hotel will charge the \$200k cancelation fee. Exec team will wait as these things are unfolding.

Matt – MNTeSIG F2F Planning team met – agenda review. Likely scenario:

- Most likely will be virtual over several days
- Round tables replaced by virtual meeting rooms
- Record all presentations, will approval from speakers.
 - o Welcoming
 - o Subteam presentations – planned, gaps, accomplishments
 - Meeting rooms in place of round table discussions
 - o Keynote: Converging Tech theme
 - No go Mark Mitsui (PCC President) per Peter
 - Seek out converging tech leaders
 - Bob will take the lead with Matt, Nancy L., has the idea of leveraging Lawrence Livermore National Labs. Example – widgets for medical apps – not only nano, but chemistry, fabrications, electronics etc are required to make it work. Let's look for a t-shaped person. A person who's company may be hiring (what do you expect them to know). If virtual, we can devote more time for the presentation and subsequent discussion.
 - Matt – maybe Andy Oliver and/or Todd can suggest someone.
 - o Lightening round panel
 - o Posters – could do virtually

- Poster description (perhaps a 2min video about the video, and post the high res poster on line for folks to view).
 - Vote for best poster (Survey Monkey) – best poster award.
 - Matt can send awards to winners (Wafers?)
- Keynote State of the Industry – Mike Russo agreed – can do virtual
 - Matt will get Kate/Abe to nail down a time if/when we decide on Virtual timing.
- Lightening Round – Focus on Newbies
- MNT-EC National Center Proposal Session
 - What are the plans
 - What are the needs – how we can contribute
- Evaluation – Terryll and Matt will work on the evaluation – make it a Survey Monkey
- Cash Bar / Networking – needs to be virtual – networking – may be fun!

Comments

Tanya R. – share what we've done for our meeting with others. Some key learnings.

Cait C. – has attended a virtual conference – which included asynchronous and synchronous elements. So folks can make comments, presenters can respond.

Terryll B. – doesn't like the asynchronous idea – loses the connection

Matt P. – Meet live but record for those that can't make it – a YouTube MNTeSIG channel, for instance.

Andy – Virtualize the workshop he wanted to do?

Marco – share sound with video?

- Participant can share his screen and select the option “share computer sound” when sharing to share the computer sound. It worked well! (May be a question of bandwidth).

No sub-teams have met – on hold until the next meeting

Hurricane Response – going online at LSC

- LSC – within a few weeks they switched to online for the campus that was hit.
- Fast onboarding online teaching certification.
- Danny has been working on his certification.

Bob: Virtual labs are on NanoHub we may be able to try.

Marco – Request for Images – see actions below

Terryll - SHINE Materials/Images/Equipment – what's the status? Peter K., Alisa may be able to shed light as to North Seattle's status. Peter gave the following link:

<http://www.seattlenano.org/lab-instruments.html>

Cait – suggest a doodle poll – east coast mornings are best for most.

Terryll – Really likes the online gathering (video), it's good to see folks and laugh. Meeting more frequently is helpful.

Actions

Subteams – bring any updates to the next meeting – send Matt stuff to post on the website

All

1. Send Marco C. images of instruments in the lab, processes, TEM/SEM and optical images, same samples with different imaging techniques. Students operating the equipment is golden, young folks, diverse users. Needs to be royalty free. These images will be part of Marco's virtual textbook and online courses.
 - a. **Marco** can you provide a dropbox/one drive/box/google-drive place to put the images? Some are too large to email.
 - b. What sort of copyright release do you want?
 - c. **Bob** – has images from the Rain Network to share, Bob will discuss with Rain folks at the next Rain Meeting. Marco will send email to Bob
 - d. **Rich Hill** will also send images and get with Marco
2. bring some new ideas to work online – sharing with the team
3. let Matt know if you wish a sample of a recorded Zoom meeting
4. recruit one person and have them register on the MNTeSIG.net website

Matt will:

1. provide a Doodle Poll to find the best time
2. send out next invite
3. write up meeting minutes and post on MNT

F2F Planning Team

We will be meeting to hash out how to best do the MNTeSIG Virtual Micro Nano Ed Conference. We will have a meeting in April.

Danny Kainer

1. See if LSC's certification for online education available to others.

Chat Box Notes

09:26:02 From Nancy Louwagie : Can you send some of the ideas on what you would like presented, and I will reach out to my contacts at Lawrence Livermore National Lab? Thanks!

09:31:00 From Andrew Bell : Second Life?

09:32:04 From Andrew Bell : You can use Second Life to host a VR meeting

09:32:10 From Andrew Bell : host

09:36:15 From Tanya Faltens To Matthias Pleil(private) : you can also press the space bar

09:38:14 From Andrew Bell : Not sure my mic is working

09:38:34 From Andrew Bell : It is not too hard and we have some kits that you could use

09:39:25 From Andrew Bell : We are working on an Arduino/Raspberry Pi version

09:44:07 From DKAINER : Here is a link from Zoom on how to share audio:
<https://support.zoom.us/hc/en-us/articles/201362643-Sharing-Computer-Sound-During-Screen-Sharing>

09:52:29 From Katheen Alcott : Bob, when will the Hi-Tec exec team make a formal announcement about conference?

09:53:20 From Tom Bonzon : Get new members in MITSeg? Lone Star should be a model for the rest of higher ed then.

09:53:41 From Tom Bonzon : o transfer to all online in 2 weeks.

09:53:57 From Tom Bonzon : To transfer to all online in 2 weeks.

09:54:13 From Tom Bonzon : Wow online certification is the way to go for public ed possibly then.

09:55:33 From Peter Kazarinoff : A show and share hour of "this is what we are using" 5 min for each on the call is another meeting. -P in P

09:55:41 From Andrew Bell : Sorry I have to go. later ...

09:59:30 From Peter Kazarinoff : Marco - the instruments from the now sunsetted SHINE center in seattle can be found here: <http://www.seattlenano.org/lab-instruments.html>

10:01:04 From Peter Kazarinoff : Please send me the next meeting invite! Gotta go -Peter

10:01:06 From Pamela Auburn : Sorry I got the time wrong Neglected the time change

10:06:21 From Tom Bonzon : Your collection of images is amazing Marco! Hope you get all the images you are still needing.

10:07:15 From ROBERT KENNETH EHRMANN : Pam, You and Jared must be in the same time zone :) :) He just got here :) :)

10:07:21 From Tom Bonzon : Matt, that's a great idea for asking or soliciting for images.

10:13:19 From Tom Bonzon : I like prizes. Face masks and suits.

10:13:44 From Tom Bonzon : Connecting lab work to the classroom live is great!!
Rainmaker Network?

10:15:35 From Billie Copley : RAIN Network

10:17:47 From Tom Bonzon : I am most intrigued with the online teacher certification. Since I think we need to provide more options for classrooms in K-12.