

MNTeSIG Meeting Minutes 11/19/2021

Scribe: Matthias Pleil, SCME PI, mpleil@unm.edu

Attendees (22, in green)

Matthias Pleil

Vimla

Marco Curreli

Billie Copley

Abdelaali Fargi

Pamela Auburn

Deb Newberry AC

Janet Pinhorn

RAY TSUI

Quinn Spadola

Maria Fernanda Campa

Andrew Bell

Jim Hyder

Richard Hill

Tanya Faltens

James Smith

Greg Kepner

Mel Cossette

Nathan Jackson

Terryll Bailey

Valerie Kovach

Kendra L Wallis

Jared Ashcroft

Kate Alcott

Cait Cramer

Jim Marti

Demis John

Daniel Kainer

Len McNally

Joe Maxwell

Robert Kenneth Ehrmann

Mary Ann Nickloy

G.H. Massiha

John Wood

Adarsh Radadia

Mary Ann Nickloy

Jonathan Friedman

Kyaw Ya

Pascal

Peter K.

Sophia

Randy

Let Matt know if I missed anyone.

Updates and Discussion

MNT-EC URE Update – Jared

- Pitched the MNT-EC URE experience. \$3k/student – reach out to Jared. These are comprised of a longer commitment – online followed by hands-on at one of many sites.

SCME URE Update

- SCME one-week or two week sessions. Online short courses required prior to coming out. Safety short course and review of the Pressure Sensor process and a few other base.
- We try to have faculty with their students as SCME also has Professional Development funds in addition to the URE student funds.
- Last year, SCME also added a stipend for students to do a poster at the virtual poster session.

MNTeSIG Live! 2022 – Need some Help!

July 25 -28, 2022 for HI-TEC in Salt Lake City, UT, check out the HI TEC Website

- ½ day at the Utah HI TEC Conference plus a tour(?). Want to add a virtual version the week prior to HI TEC for those that don't want to travel and for the student poster session.
- Do some pre-recorded presentations for the virtual and web
- There will be free passes to the conference (conference fee). Some centers may have some funds for travel, but this is pretty limited.
- Peter suggested advertising to all the MNT ATE projects/centers to attend.
- Requested assistance for planning team, volunteers from chat box:
 - o Janet Pinhorn only one in the chat box...
 - o We need more takers!
- Consider submitting MNT presentations to HI TEC and/or the MNTeSIG conference.

MNTeSIG Live 2021! Evaluation Presentation – Terryll Bailey

- Refer to the posted slides on the MNTeSIG.net website:
<https://www.mntesig.net/conference-2021-evaluation.html>
- Good balance of University/Industry/2yr and HS participants.
- Mostly faculty but a significant uptick in students – due to the poster session for URE students.
- More women than the last few years, about 30% or so.
- Meeting Quality – overall very good marks. Overall 3.48/4.00. About 80% were extremely likely to suggest colleagues to come.
- Poster Session was new this year, folks who used the headset found the session to be very good, a bit lower for those that used the computer interface.
- Outcomes – ranking was consistent with previous years. Top 3 – Learn about topics, Cultivate new connections, Networking
- Working Groups: most interest in the curriculum and professional development. Industry involvement close in the ranking.
- Testimonial highlighted: “It was much better than many of the virtual meeting I have attended in the past year, well organized and time to chat with colleagues.”
- Overall attendance in virtual conference is higher than face to face. This supports the hybrid model being considered for 2022.

Professional Development Team – Peter K.

- Less Prof Dev in Winter – Check out nano4me.org for Nack's offerings
- Went over Professional Development Design Principles:
 - o Time for community engagement with fellow scientists and educators
 - o Post-Session Follow-up (with potential action items if needed)
 - o Interaction: via multiple modes – chat, audio, polls, breakout rooms, jamboards...
 - o Programmed pause time (built into slides) to promote response, even if whole audience

- Build Community – create space
- Feel free to reach out to Jim Smith, Peter K, or Bob E. to join this working group.

Distance Education – No update

Curriculum Team – Marco C.

- Canvas shell has been created – every month a topic is added (module) – plan to finish first course by April or May
 - They are using existing modules.
 - Canvas is what is being used more and more by institutions, easy to share.
 - Matt will be moving from Moodle to Canvas moving forward.

Outreach, Distance Learning – Greg Kepner

- MNT-EC new bulletin is now being pushed out – get with Billie and Greg for adding info into the bulletin and to get on the mailing list. This is produced quarterly.
- Prompt will be coming out in Mid - January to cover Feb/March/April events.
- Check out the outreach bulletin for November: <https://micronanoeducation.org/mnt-ec-outreach-bulletin-november-2021/>
- Next initiative to get more folks on the MNTeSIG team. Make sure newbies sign up through the MNTeSIG.net website (or send Matt a list and he can add it into the Constant Contact listing)

Industry Working Group – Matthias Pleil and Cait Cramer

- We went through the employability skills, updated and finalized the employability skills for the Microsystems category. So we now have KSA's, then converted the A's to the E's – employability skills. K&S's have rankings, E's have levels associated with them.
- We are looking for more folks for the next group – Nano Bio industry folks. We need help recruiting these folks.
- Trends Meeting in January – welcome to attend and listen in!
- Next (Nano Bio) KSA meeting in April
- Feel free to join us, minutes also available upon request.

Matt's SEM is back up and running, let me know if you want a RAIN session.