

MNT^eSIG Meeting Minutes 12/19/19

Updated 12/19/19

Attendees: Jared Aschroft, Mike L., Jim Smith, Andy Bell, Devon, Matt Pleil, Terryll, Bob E., Rick V., Ray Tsui, Ives D., Mike L., S. Kumar

Scribe: Matthias Pleil

Agenda 12/19/19

- Introductions - Newbies!
 - Sub Team Report Out
 - MNTeSIG Website Update - Matt
 - MNTeSIG Meeting Eval Review - Terryll
 - Input for Next Years Meeting - All
 - MNTeSIG Pre Con Proposal Team Selection
 - HI TEC Exec Team Update - Bob and Mike
 - Action Items from Last Meeting - read minutes on the MNTeSIG site
 - Next Meeting
- *****IMPORTANT*****
- Sub-Team Members - report out team progress, goals for the year
 - Growing MNT Community - Tony and Rick
 - Faculty Professional Development - James S. and Gary M.
 - Outreach and program building - Zak and Billie
 - Curriculum Development - Jared A. and Mike Lund
 - Industry Involvement - Todd and Cait

Meeting 12/19 Minutes

Let Matt Pleil know if you wish a link to the video recording of the meeting.

Discussion

- Pre Meeting discussion –
 - Matt mentioned HI TEC programs from previous meetings. See: https://www.highimpact-tec.org/past_progs.php
 - Showed last year's Special Interest Group description. Will use this as a template. Want to draw new people into it.
- Introductions
 - Newbies: Devon from Sacramento City College, Jared and Bob "recruited" him in a DC event recently.
 - S. Kumar – Santa Clara University, IoT specialist

- Went around the room introduced each other to Devon
 - Matt Pleil – SCME/UNM
 - Rick Vaughn– Rio Salado
 - Terryll Bailey – Ext. Eval. SCME and Nano Link
 - Andrew Bell – Ivy Tech, Fort Wayne
 - Jim Smith – Princeton University, curriculum development, cleanroom
 - Todd Christenson – Industry, MEMS entrepreneur, education enthusiast
 - Oscar – Penn State, NACK Center – Nano Educator
 - Jared Ashcroft – Chem Prof ant PCC, MNT Golf Champion
 - Ray Tsui – ASU
 - Ives Darion - Dir. Ed & Outreach San Diego Nano Core Structure based at UC San Diego (part of NNCI)
 - Bob E. - NACK, Penn State, 15 years
 - Mike L. - Phoenix, CoPI on NACK grant
- Curriculum Development Team Report Out
 - Team met, set up google doc, goal to list available curriculum, overall report on online curriculum, gaps, whats nee
 - Mike Lund, Jared, Marco, Pamela Auburn attended last meeting.
- MNT Community Team Report Out
 - Tony D., is no longer leader, moving on to other activities
 - Rick Vaughn is now the leader, trying to schedule a meeting to refine goals by the first or second week of Jan.
- Faculty Prof Dev Sub Team
 - Jim Smith will try to set up a meeting in January
- Outreach and Program Building
 - No representatives
- Industry Meeting
 - Todd – put together a letter to get MANCEF/ATE PI meetings linked up. MANCEF will be holding COMS in DC at the front end of the week of the ATE PI Conference. COMS is an international conference on emerging tech. MANCEF will be in Shady Grove (end of the red line – easy to get to from ATE PI) - Theme, converging technologies for the improvement of life. ATE mirrors Commercialization of converging technologies. Jared working with Todd to get 25 ATE folks at the COMS conference.
 - Jared – working with Bio Tech and Autonomous center – shared draft letter to present to AACC and Celeste Carter (NSF). Asking around \$100k – either Jared or Linnea will submit. Discussion on timing.
- MNTeSIG.net Web Update – Matt Pleil
 - Announcements for upcoming meetings on the front page
 - Please get colleagues to add themselves (or you if you haven't yet)

- Asset Book – please consider adding your bio or updating your current one for next year’s face to face meeting
- Feel free to share images with Matt
- Sub-teams – need to add to the website (minutes, reports, whatever the team wants posted)
- Send your 2019 presentations if they aren’t yet posted
- Reviewed meeting pages
- Feel free to suggest improvement opportunities
- MNTeSIG meeting will be Monday – discussed other options.
- Micro Nano Golf Tournament will probably be on Tuesday 😊
- Meeting minutes posted, partner links (send me your link, slide show)
- Needs and Offers page is neglected, not used.... Ideas? Plugins (Weebly based)
- News and Events also not used/neglected
- Let Matt know if you wish to contribute to the website.
- Terryll suggested emails to push MNTeSIG activities, news – perhaps a quarterly email. Volunteers to do this?
 - Matt will give a stipend if interested (your time is valuable), let Matt know.
 - Bob – perhaps formalizing this if the MNT-EC center get funded
- Evaluation Report – Terryll (posted on the MNTeSIG.net site) - Highlights:
 - 60%, 30%, 10% 2yr, 4yr and HS, respectively
 - 80% instructors
 - 70/30% Male/Female
 - High Quality overall – 3.7 - excellent overall, 92% would recommend meeting
 - Networking – partnerships and connections along with Facilitate micro/nano education at home institution were the top three take-aways.
 - Attendees will Impact students as a result of this meeting/event.
 - Common Themes from open ended questions: ATE Funding, MNTeSIG Networking, Programs/Education, Curriculum/classroom practice, Recruiting, Industry/workplace
- Next years face to face – suggestions?
 - Everyone read through eval and bring suggestions
 - Everyone should submit a session at the HI TEC conference
- HI TEC Exec – Bob Ehrman
 - Need best industry/education nomination
 - Student Fellowship opportunities
 - HI TEC emails will be sent out with specifics
 - HI TEC Fellows (new to HI TEC) - applications on Feb 20th

Actions

- All – consider contributing to a sub-team – Matt can get you hooked up to the leader
- Sub Team Leaders –
 - Please provide minutes/updates from your last meeting to Matt Pleil who will post on the MNTeSIG website. Consider, goals, actions, etc...
 - Please schedule your next meeting with agendas, Matt can forward to the entire MNTeSIG group if you would like to recruit new members.
- Mike L. will send Jared the HI TECH proposal from a few years ago to help Jared submit.
- Matt will update minutes and post, then send out next meeting reminder.
- Matt will add report to MNTeSIG site – done
- All – read through the Evaluation Report – bring suggestions for next year's Face to Face improvement opportunities.
- Matt will write a draft pre-con submission for HI TEC and send out before next meeting for feedback – must be submitted by Jan 15.
- Matt/Bob will request the MNTeSIG team to submit for the main HI TEC conference
- If you aren't on the HI TEC spam list – send your name/email to Bob Ehraman so he can put you on the distribution list for HI TEC (different from MNTeSIG).
- Next Meeting: Monday 13th - 1:00-2:00pm Eastern Time

Previous Meeting 11/15/19 Minutes:

Agenda

- Introductions - Newbies!
- MNTeSIG Website Update - Matt
- HI TEC Exec Team Update - specific to SIGs - Bob
- Action Items from Last Meeting - read minutes on the MNTeSIG site
- HI TEC MNTeSIG Meeting Round Table Update/Plans
- Sub-team members report out - see list below
- Update on COMS Conference 2020 - Todd
- Other Business - HI TEC Planning is starting

Discussion

- Action Items from last time.
 - Some submissions to the dropbox (presentations from last time). These have been recently posted on the MNTeSIG website – check to see if yours is there!
 - Needs and offers page – Rick Vaughn and Pleil still need to meet on Needs and Offers management.
 - Push News and Events – Pleil still needs to do this. Everyone needs to sign up for the MNTeSIG website. (opt in and opt out). Would be good for folks to post there items here and it would be pushed out.
- Sub Teams

- Curriculum Team – Michael attended meeting with Jared A. (lead) recently – team decided to focus on 2yr programs. Organizing what is out there already, an inventory. Another idea is to create a map of the Micro/Nano 2yr programs. Will be part of MNT-EC in the future.
 - Tanya suggested leveraging Nano-Hub as the platform, exchanged contact info with Michael.
 - Some discussion as to what should be included in the curriculum inventory, contact info, subject matter experts, etc...
- Community Develop Team – no one from the team attended
- Faculty Development Team – Gary M., is on the team, Jim S. hasn't organized anything yet. Gary M. said he would reach out to Jim S. as to when the next meeting will be. Please provide Pleil with minutes to post on MNT^eSIG time.
- Industry Team – Pleil: has posted minutes from this team on MNT^eSIG site. Todd wasn't able to attend. – Recent update, Todd did find a venue in Shady Grove at the front end of the ATE PI Conference for the MANCEF conference in Oct. 2020. Sensor Conference in San Diego was pitched as a place to go. Perhaps SCME can support one or two folks to go to.
- Outreach Planning Team – Billie: trying to find a meeting time that works.
- MNT^eSIG Banner offer from SCME – no one is interested. Let Pleil know if you are interested (open invitation).
- HI TEC Exec Team Update – Mike L.
 - 12th year, Monday, July 27th start through Thursday. Portland, and in 2021 Baltimore Inner Harbour
 - Call for proposals are going out end of November.
 - Pre-con Workshops – Jan 15th
 - Proposals - ~1st of January
 - SIGs – Special Interest Groups, MNT^eSIG, now adding Bio etc...
 - SIGS want full days (Pleil is working on pre-con workshops/SIGS).
 - Pleil suggested MNT^eSIG meeting on Monday, that way you can also go to tours on Tuesday afternoons. No tours on Monday.
 - Bell plans to present a pre-con workshop, which could be done on Tuesday this year.
- Next Webinar – Engineered NanoGels – NACK sponsored – now posted on the MNT^eSIG site.
- Website was tweaked and reviewed. (Note, was tweaked again since this meeting, have a look, will review at the next meeting).
 - If you have any updates, please send them. Including photos for the galleries.
 - News and Events – needs work
 - RSS Feed – outdated – no interest.
- Marco – teaching a Nano Class – wants to know about summer programs for his students. Age – Community College Students.
 - MNT^eSIG opportunity – internships, jobs for students? Perhaps a link to other sights. Post summer programs etc....

- Next Meeting: December,
 - focus on the MNT^eSIG conference, we need to write and submit our pre-con proposal for the MNT^eSIG.
 - Social Event? Find sponsorship for event? Perhaps the Sunday before the Monday MNT^eSIG meeting.
 - Rouge Micro Devices???. Perhaps a key note.
 - We originally agreed to 6th of December, but this was moved by Matt to December 19th, Thursday at 1:00 Eastern.
 - NACK and SCME will be executive producers (main conference), Pleil will look at funds for pre-conference.
- SCME – will be doing Clean room workshops – 2nd week of Jan, 12 – if interested let Pleil know. Pressure Sensor, Bi-Morph Cantilever and hands on kits. Want to do 4 workshops this summer – 6 folks per group optimum, have done 11. Jared had 11, Andy had 6 come out, Rick had about 3 or 4.

Action Items

1. All: Review the MNTeSIG.net site – provide feedback to Pleil (mpleil@unm.edu).
2. All: Think about what you want changed at the next MNTeSIG Meeting – Terryll will present at the next meeting.
3. Photos for Website – Marco and Mike said they would send me some (as of 12/9, none were sent).
4. Sub-Teams Leadership – Have your meetings, write up your minutes and send to Pleil for posting.
 - a. Send Pleil your meeting times, links and he can send out a general invite to all 129 MNT^eSIG members.
 - b. Send anything you want posted on the website, send it to Pleil.
5. All: Think about what we want to keep, change, get rid of for next year's meeting.
6. Next Meeting –
 - a. Review Website
 - b. MNT^eSIG Meeting – reach out to industry folks? Sponsorship?
7. Abe M. will work with Bob G. at Suny/SEMI on getting supplemental for stipends for MNTeSIG - \$1k for 40 folks, keep it under \$50k.