**Preliminary Agenda for:**

**MNT Professional Development Working Group Meeting**

**2-18-21**

* Who’s here?
	+ Paul Webster, Abdlaali Fargi, Ozgur Cakmak, Manori Nadesalingam, Gary Mullett, Quinn Spadola, Ter Kuzma, Mary Ann Nickloy, Jim Smith, NT Izuchi, Eldon McMurray, Paul Weber, Pete Raynor, Angela Hwang, Maude Cuchiara, Matt Pleil, Kendrick Davis, Billie Copley, Terryl Bailey, Tony Dallessio
* Quick Overview of Year 1 Plan for MNT PD Working Group Status
	+ Upper level highlights of plan: Form this group, Create our mission, fall 2020 “MNT-EC getting to know you weekly seminars’ (take credit for these), facilitate and increase awareness of MNT PD opportunities, organize hands-on MNT PD (as appropriate), integrate/coordinate with other MNT working groups, develop PD reporting and evaluation strategy
	+ Sent out to this team on 2-17-21
	+ Will post this plan on [Prof Development - MICRO NANO TECHNOLOGY EDUCATION SPECIAL INTEREST GROUP (mntesig.net)](https://www.mntesig.net/prof-development.html)
* This Month’s Special Feature PD Trailer:
	+ Utah Valley University– **Dr.Paul Weber –** Announcing upcoming PD on Virtual Reality MNT Equipment
	+ In fourth year of NSF-ATE Project on virtual reality
	+ Developing VR Simulations for Teaching Nanotechnology Instrumentation – UVU Virtual Workshop (Friday May 16 from 11AM to 4PM)
	+ Teaching how to use equipment using VR – will talk about track record of what they learned with their UVU students
	+ Methodology for developing the simulations (vacuum trainer, sputter deposition lab, photolithography, SEM, AFM, etc.)
	+ Value of VR in “hands-on” training
	+ Speakers: Weber, Kamali, Clayton, Madou
	+ Workshop webpage for registration will be shared on MNTeSIG and MNT-EC websites
	+ Paul will also record this workshop and will make it available to those who can not make it on May 16th
* Next Month’s Special Feature PD Trailer
	+ If you are interested in a quick preview of your workshop-
* MNT PD Website presence status - Billie
	+ MNTeSIG <https://www.mntesig.net/prof-development>
	+ This site is where working group materials will be housed. Material is available to anyone but this is not the main Outward face of the MNT community.
	+ MNT-EC site – going live on 2-19-21 [Micro Nano Technology Education Center - Micro Nano Technology Education Center (micronanoeducation.org)](https://micronanoeducation.org/)
	+ Has a calendar of events for spring MNT-EC seminars – these are coming up in March and April: Tanya Faltens, Ann Beheler, nanoHUB crew, Peter Kazarinoff times 2, Deb Newberry, Raynor/Marti (4 days with 16 people) – H&S, Abe Michelin (SEMI Certs), Abe Michelin ( Arduino), Kate Alcott (military), Nathan Jackson (UNM) MEMS, Matt Pleil (Mems), Kendrick Davis, Peter, Neda, Ozgur (Journal submission process)
	+ Registration will be available via MNT-EC site above
	+ Will record each of the above seminars and make them available on the MNT-EC youtube channel
	+ MNT-EC fall 2020 seminar series are all now posted and available via <https://www.mntesig.net/prof-developmentm> or on MNT-EC youtube channel [Micro Nano Technology Education Center - YouTube](https://www.youtube.com/channel/UCP-tzQ-DhrVASZmaS9-iKAQ) NOTE: This is a great place to determine who the folks on this team are, what they are doing and what they plan to do for the MNT community moving forward.
* MNT-EC – Spring – Summer 2021 PD Offerings - Billie
* Review of other upcoming known MNT PD Offerings
	+ Webinar(s):
	+ NACK - [Webinar: Future of Food and Agriculture from Macro to Nano: Opportunities and Challenges – Center for Nanotechnology Education and Utilization (psu.edu)](https://www.cneu.psu.edu/2021/02/08/webinar-future-of-food/)
	+ Workshops:
	+ NACK [Nano-Educators Topical Seminar Series – Center for Nanotechnology Education and Utilization (psu.edu)](https://www.cneu.psu.edu/2021/02/17/netsseries/) begins on March 12 – for 8 Fridays
	+ RTNN: Maude - <https://www.rtnn.ncsu.edu/nano-food-security/>
	+ GA TECH – Philip shared by Jim S- Training on Biacore T-2000 surface plasmon resonance training for virology is open to all on Mar 17 @ 10 AM ET
	+ Matt P is opening up his MNT URE offerings to a wider audience
	+ Angela – STEM Super Heroes <https://nanolabs.stanford.edu/stem-superheroes>
	+ Angela – Teacher Workshops – week long stipend program in late June – want to ID people by May- https://nanolabs.stanford.edu/education-outreach/nanoscience-summer-institute-middle-school-teachers
	+ K-12 PD – Any known offerings?
	+ RETs
	+ Maude C is opening up her 3 or 4 day opening trainings RET training

Maude is looking for middle and HS teachers to populate her RET

* + Other known PD Offerings
* Reminder of MNT-EC PD funding opportunities
* Around the room –
	+ Other items to share relating to MNT
	+ Maude - Black History: <https://chanl.unc.edu/black-history-month/> Celebrating nanotechnologist for Black History Month from UNC colleague – check it out
	+ Anyone want to do a Trailer next month for their PD. Let Jim or Bob.
* **NOTE CHANGE** in timing Next MNT PD Working Group Meetings For Your Calendars:    - due to a conflict with the MNT-EC Exec Team Meeting:
	+ Thursday March 18 @ 4:00 PM ET
	+ Thursday April 15 @ 4:00 PM ET
	+ 3rd Thursday of each month at **4:00 PM ET** throughout 2021
	+ Please correct your calendars now for 2021 MNT PD Team
* **Special Note** for Billie – Next Palindromic Date will be 12-1-21 😊