



2022 Summer Council Meeting Agenda
July 27, 2022 10:00-14:00 EDT, via Google Meets

Heather Lowers	(President 2020-2022)
Patrick Camus	(President-Elect 2021)
Owen Neill	(Secretary 2022-2024)
Dave Tomlin	(Treasurer 2020-2022)
Michelle Thompson	(Director 2020-2022)
William Bowman	(Director 2020-2022)
Angela Halfpenny	(Director 2021-2023)
Josh Taillon	(Director 2021-2023)
Assel Aitkaliyeva	(Director 2022-2024)
Thomas Lam	(Director 2022-2024)
Steve Seddio	(Commercial Director 2021-2023)
Clarissa Wisner	(AReS 2022-2025)
John Fournelle	(Archivist 2010-2023)
Brad De Gregorio	(Awards 2020-2023)
Anette von der Handt	(Computer Activities 2020-2023)
Mary Scott	(Education 2022-2024)
Abigail Lindstrom	(Goldstein Scholar Coordinator)
Tom Kelly	(Fellows 2017-2020)
Pete McSwiggen	(Finance 2021-2024)
Emma Bullock	(Membership 2020-2022)
Andrew Herzing	(IUMAS Representative)
Dan Ruscitto	(Social Media 2018-2021)
Vin Smentkowski	(Strategic Planning 2018-2022)
Yoosuf Picard	(Topical Conferences 2020-2023)
Donovan Leonard	(Fellows Chair, M&M Editorial Board)

Present on call:

Assel Aitkileyeva, Will Bowman, Emma Bullock, Pat Camus, John Fournelle, Brad de Gregorio, Angela Halfpenny, Anette von der Handt, Thomas Lam, Abbie Lindstrom, Heather Lowers, Pete McSwiggen, Will Nachlas, Owen Neill, Yoosuf Picard, Nicholas Ritchie, Dan Ruscitto, Mary Scott, Steve Seddio, Vin Smentkowski, Josh Taillon, Michelle Thompson, Dave Tomlin, Clarissa Wisner

Agenda:

- Call to Order: 10:02 EDT
- Approve Agenda (Heather Lowers)
 - Josh Taillon will be presenting IUMAS agenda on behalf of Andy Herzing.
 - Abby Lindstrom moves to approve the agenda, Assel Aitkaliyeva seconds.
 - Motion carries.
- Secretary's Report (Owen Neill)
 - Assel moves to approve the [minutes of the 2022 Spring Council Meeting](#), Abby seconds.
 - Motion carries.
- Treasurer's Report (Dave Tomlin)
 - Total encumbered assets: \$897,874.20
 - Total unencumbered assets: \$855,971.44
 - Income and expenses for 2022 (as of 15 July):
 - Total income: \$60,765.12
 - Dave is still waiting on income from Springer to be reported.
 - The MAS co-share for M&M2021 is \$33,364.90.
 - \$0 had been budgeted.
 - Total expenses: \$23,302.60.
 - Budgeted \$85,950.00.
 - Expenses do not include some of the awards plaques, but are still well under budget.
 - Net profit of \$37,462.56.
 - A loss of \$44,600 had been budgeted.
 - Dave will update this information prior to the business meeting.
 - Purchase of gift cards for student award winners was approved at the Spring Council meeting.
 - Gift cards have been purchased for two student poster awards and one Creative Canvas award.
 - Dave has the gift cards, which will be presented to awardees at the MAS social.
- Finance committee (Peter McSwiggen)
 - The stock market has taken a significant downturn, and it is difficult to predict when this will end.
 - The downturn has affected both the stock and bond markets, unlike previous downturns.
 - The current MAS investment account balance is \$679,045.
 - The initial balance for 2022 was \$700,447.

- An additional \$100,000 was transferred into investment account on 11 April.
 - This represents a “paper” loss of 17% due to downturn; holdings are essentially tracking the market.
- The Finance Committee’s strategy is to hold tight until market turns.
 - The \$100,000 moved into the account is mostly sitting in cash reserves.
 - “Dollar cost averaging” approach; funds are slowly invested over time to rebalance the overall account
 - The plan is to take \$7500/month from the cash account and put it into inflation-protected bonds until these bonds make up 10% of the total.
 - Once this is completed, core bonds will be purchased, leading to a final balance of 30 % in large-cap stock funds, about 20% in small-cap, medium-cap and international stock funds, about 45% in bond funds and about 5% in cash.
 - This process will take ~9 months, and will position the society’s investments to begin growing when the market turns around.
- Education (Mary Scott)
 - As of 27 July, 100 students have registered for Meal with Mentor at M&M.
 - There is a shortage of mentors; currently seven people have volunteered.
 - Mary is looking for more mentors; please contact her if you would like to volunteer.
 - There is a particular need for mentors from industry.
 - Pat Camus, Vin Smentkowski and Michelle Thompson volunteered to be additional mentors.
 - Mary has prepared a slide deck for the Meal with a Mentor event that advertises Goldstein Award, as well as provides links to the MAS website and social media.
 - Attendees will get box lunches
 - Mary has also prepared some suggested talking points for each table at the event.
 - Goldstein Awards
 - Fall, 2021: Dara Laczniak (Purdue University).
 - Spring, 2022: Alexander Kling (Purdue University), Xinxing Peng (Lawrence Berkeley National Laboratory).
 - Fall, 2022: nomination packets are due 1 November, 2022.
 - The slide deck at the Meal with a Mentor event will contain information for potential Goldstein Awardees.

- Membership Report (Emma Bullock)
 - As of 5 July, MAS has 621 members.
 - As of 7 July 2021, MAS had 625 members, so this is consistent.
 - Of the 621 members:
 - 51 are MAS-only.
 - 570 are joint MAS-MSA.
 - 85 are students.
 - Membership renewals usually spike immediately prior to M&M, so membership numbers presented here may be incomplete.
 - Membership renewal notifications are now sent annually via Constant Contact.
 - Heather asked what the cutoff date is for renewing until the end of the calendar year vs. renewing for the next year.
 - Emma responded that the date is still 1 October.
 - Folks who renew before 1 October, 2022 are renewing until the end of 2022, while those renewing after 1 October are renewing through 2023.
 - Council has approved a waiver of renewal fees for members in good standing facing financial hardship.
 - At the discretion of Council, and if funds are available, a one-year dues waiver may be made available if that member attests that they are experiencing financial hardship.
 - A member may receive this waiver no more than two (2) times per person, and not in consecutive years.
 - Applications for this waiver will be kept confidential, and names will only be known to the Membership Chair.
 - The waiver request may be found at [this link](#).
 - Emeritus members:
 - Emeritus status is reserved for those members who have retired from remunerative professional work.
 - All individuals who have been members in good standing for at least twenty-five years as Regular Members shall be entitled to Emeritus status.
 - In addition, the Council may choose to elect to Emeritus status, members who have retired from remunerative professional work and who are deemed to have provided distinguished service to the Society during their professional careers.
 - Contact Emma if you qualify for Emeritus status.
 - Heather reminds the group to make sure the MSA booth is staffed throughout M&M.
 - Emma will make a signup sheet and distribute it to Council before the meeting.
 - Josh Taillon is making flyers for IUMAS to display and give out at the booth as well.

- Strategic Planning Report (Vin Smentkowski)
 - o The Strategic Planning Committee is looking for new members; please contact Vin if you would like to volunteer.
 - o The Committee is also soliciting ideas for new strategic initiatives; please submit these ideas to Vin as well.
 - o Ongoing initiatives:
 - The Committee is working with the Science History Institute in Philadelphia to secure the MAS archives and make them more publicly available.
 - A program has been created for an M&M award for post-doctoral scholars.
 - New MAS awards have been created for Best Student Poster (2) and Creative Canvas (1).
 - A meeting award for Technicians has been created, but received no applications this year.
 - Vin is looking for ideas to boost applications to this program.
 - Heather suggests making the Technician award a prominent part of the membership push in the fall.
 - The goal will be 1-2 awardees for 2023.
 - Thomas Lam suggests a nomination process for the award.
 - Angela Halfpenny and Heather note that the application process for this award is a little confusing.
 - Language on the website should be clarified to reflect whether this is an MSA award, who is eligible, and how to sign up.
 - o Completed initiatives:
 - The first atom probe has been moved from the Steam storage space to John Panitz's museum in Albuquerque.
 - Past meeting minutes, information on past MAS committee and symposium chairs, past MicroNews issues, etc. have been added to the website to maintain the archives.
 - o Other ongoing/proposed initiatives.
 - The "Elevate your Paper" campaign.
 - This will allow members to promote their publications via social media.
 - The "Meet a Member" section on the MAS website.
 - A form has been created for members to fill out and provide information about their expertise and research.
 - Anette, Assel and Thomas have completed a preliminary version.
 - This questionnaire may go live at M&M this year; in the future, filling this out may be a requirement to

receive tickets to the MAS social to encourage users to complete it.

- This questionnaire will eventually populate a database and be searchable, so the public can search for a member who has expertise in a particular analytical technique or measurement type of interest.
 - A poll of the membership looking to evaluate MAS' demographics and needs.
 - A first round of this poll was completed, but the turnout was not high.
 - Updating microanalysis-related entries on Wikipedia.
 - Increasing the MAS social media presence.
 - Identifying webinar topics and/or speakers for future virtual events.
 - Involvement of MAS with ANSI/ASTM/ISO.
 - Nestor Zaluzec is leading this.
 - Shape a virtual Quantitative EDS webinar or meeting.
 - Thomas volunteers to break down the video file from EPMA software webinar to make some more digestible content for YouTube.
 - The current video is quite long, so breaking it up may make it more digestible for viewers.
- Focused Interest Group on Microanalytical Standards (FIGMAS) update (Will Nachlas)
 - FIGMAS currently has 41 members.
 - Membership dues are \$15/year.
 - A proposal for AMAS/EMAS/IUMAS members to join FIGMAS without joining MSA/MAS was rejected by MSA.
 - The FIGMAS website and database were briefly taken offline due to legal issues on the MSA side.
 - All legal issues have been resolved; the website has been restored and is in compliance with MSA regulations.
- Initiative for New, Universal Microanalytical Standards (Will Nachlas/John Donovan)
 - Will and John are proposing a new initiative; developing a universal standard mount and consensus K-ratio database.
 - The database and these materials could be used for both evaluating standard/RM quality and instrument proficiency.
 - It is easier to distribute K-ratios than physical standards, but that assumes standards are uniform across all labs and all splits, which is not always the case (standards can have inhomogeneity, impurities or other issues).

- One of the goals is to produce significant quantities of high purity synthetic materials covering the 20 most abundant terrestrial cations.
 - These materials will be available generally and in perpetuity, and would allow all labs in the community to be able to evaluate their procedures using the same set of standards.
 - These materials would also be available in perpetuity.
 - Natural samples are limited in quantity and may run out.
 - The synthetic high purity samples that can be distributed globally would be a boon for future analyses
 - Some materials are already in production for other applications, while others would need to be custom made.
- Preliminary round robin has been evaluating some of the first standards for this effort.
 - 29 labs received a mount with MgO , Al_2O_3 and MgAl_2O_4 to measure and evaluate K-ratios.
 - Preliminary results show most labs within $\pm 2\%$.
- Will and John are preparing an NSF proposal to address to fund this effort, and are requesting for MAS financial support for this effort in addition to NSF funding.
 - The total budget for this proposal will be ~\$400K,
 - The overall budget for this project would include synthesis; preparation of mounts; distribution and evaluation of the materials; and compilation of K-ratios measured using these standards.
 - Will and John are requesting \$20K from MAS over 2 years to support this effort.
- Discussion of Will and John's proposal:
 - Peter asked for clarification on the deliverables for this project.
 - Will said that the K-ratio database and mounts containing the materials would be the main deliverables.
 - Mounts would be distributed for free, and then users would report their K-ratio measurements for the database.
 - Heather asked whether standards have already been identified for 20 most common elements.
 - John and Will are still compiling a list of materials and reaching out to producers.

- Some companies produce these materials and so they are readily available, but other materials may have to be contracted by us to produce.
 - Quantities needed are also still being determined, as are the criteria to first determine what will make a good universal standard.
 - John noted that building a repository for this would be the next step.
- Peter also asked whether these materials could be used for all analyses, presuming matrix corrections are good enough.
 - Will responded that they would not be useful for everything, but would allow for global evaluation of instrument/lab performance, which would be a first step towards more inter-lab uniformity.
 - John and Nicholas Ritchie noted that having a universal standard mount would allow analysts to evaluate existing “standards” and to exchange K-ratios rather than materials to evaluate instrument performance.
- Thomas asked whether this database would be open access.
 - Josh noted that there is already something like this for EELS (<https://eelsdb.eu>).
 - Will and John would like the database to be open source and available to as wide a community as possible.
- Heather asked whether this database would be hosted on the MAS website.
 - This has yet to be decided, but as long as MAS would be willing and could accommodate this, that would be possible.
- Heather asked how and where the materials would be stored and curated.
 - The Smithsonian could be a possibility, as much of the infrastructure for this is already in place.
 - Thomas said that Ed has volunteered for this effort, but that they are not yet ready to receive and distribute materials.
 - Josh also volunteered to assist with this.
- Heather asked whether MAS funding would be necessary if the NSF proposal were unsuccessful.
 - Will said that it would not be; without NSF funding the project could not go forward, so MAS funding would not be needed.
- Pat asked whether these would replace the standards that are available for purchase from commercial suppliers.

- Will said no, although they can be used as primary standards, they will not fully replace those other materials.
 - Peter expressed concern that while the underlying ideas are sound, the deliverables and timeline need fleshing out.
 - Could the NSF proposal be submitted to and/or reviewed by MAS?
 - Will said that this would be very doable, as much of the information will be included in the proposal.
 - Heather asked what the timeline would be for the NSF proposal.
 - Will and John intend to submit this proposal in August.
 - Thomas offered to edit tutorials for the measurements for YouTube if needed.
 - Peter suggested that, if MAS agrees to fund this, a progress report be submitted at the end of the first year.
 - Funding for Year 2 would be contingent on sufficient progress in Year 1.
 - Josh reminded the group that MAS would need to provide a support letter for the package to be submitted to NSF.
 - A motion was created to:
 - Approve the request for 10K in Year 1 of the proposal, contingent on NSF approving the overall funding.
 - Approve the request for 10K in Year 2, contingent on NSF funding, and satisfactory progress in Year 1.
 - Satisfactory progress in Year 1 will be determined based on a progress report submitted to MAS by the PI's.
 - A second progress report will be submitted at the end of Year 2 describing the output of the project.
 - Pat so moves, Abby seconds.
 - Motion carries.
- Intermission.
- M&M 2022 Updates (Michelle Thompson)
 - All preparations for M&M2022 in Portland are completed.
 - Rooms for MAS events in the Oregon Convention Center are as follows:
 - Monday Awards Session: G131
 - Monday Meal with a Mentor: 12:30 C-124
 - Tuesday Local Affiliated/Regional Societies: 7:15 G131
 - Wednesday Business Meeting 5:15 C-124
 - Wednesday Social at Spirit of 77 following Business Meeting
 - Thursday: 7:15 ASTM meeting held jointly with MSA Standards Committee
 - Meeting registration:
 - Current attendance stands at 1470 attendees and 769 exhibitors.

- The original estimate was 1558 attendees/918 exhibitors.
 - Total meeting revenue to date is \$560,670.
 - \$610,244 was originally budgeted.
 - Registration and revenue will both likely increase in the next few days with late and on-site registrations.
 - Other large conferences are also showing reduced attendance.
 - Much of this is likely due to the COVID-19 “hangover.”
 - ThermoScientific is not having their normal booth, which is a significant portion of the diminished exhibitor attendance.
 - However, meeting revenue is largely outpacing previous meetings.
 - The on-site meeting guide will be released on Saturday.
 - The meeting app is live and open for download.
 - Please report problems with the app to Michelle.
 - On-demand talks will be available on 25 July.
 - Virtual posters can be now be uploaded to the app.
 - Michelle requests that members highlight award winners and promote the meeting on social media.
 - Heather and Pat will debrief with Michelle after the meeting.
- Nominating Committee (Pat Camus)
 - Michelle and Will Bowman will be rotating off at the end of their director terms; thanks to both of them for their service.
 - Nominees for 2023:
 - President-elect: Andy Herzing (NIST)
 - Directors:
 - Kate Burgess (US Naval Research Lab)
 - Salva Salmani-Rezaie (Ohio State University)
 - Jordan Hachtel (Oak Ridge National Lab)
 - No further nominations were made during the meeting; there will be an opportunity to make more nominations during the business meeting at M&M.
 - New committee chairs:
 - AReS: Clarissa Wisner
 - Education: Mary Scott
 - Fellows: Donovan Leonard
- Archivist (John Fournelle)
 - John is working with Pat Shea at the Science History institute to curate old documents that John has obtained, including MAS documents, old EPASA records, and boxes of papers from Kurt Heinrich’s estate.
 - John is looking for volunteers to assist with checking oral transcriptions for accuracy.

- John has a significant number of oral history interviews that have been transcribed automatically; these transcriptions are not always accurate.
 - Pat and Thomas volunteer.
 - John is looking for archival records of the roster of MAS Executive Council, Directors, and committee chairs.
 - Mike Marko, MSA archivist, has compiled a similar record of MSA directors and officers.
 - Heather provided a [link to a GoogleDoc](#) that users can populate with information on past MAS officers/directors.
- Affiliated and Regional Societies (Clarissa Wisner)
 - There are currently 19 chartered AReS, not all of which are active.
 - Some societies are starting to schedule meetings for late 2022.
 - Two societies have had in-person meetings this year
 - Ed Vicenzi spoke at both meetings as part of the AReS Tour Speaker program.
 - Bi-monthly meetings by MSA for Local Affiliated Societies are ongoing.
 - Ru-Ching Hsia is organizing this.
 - A map has been created showing which parts of the US are covered by each AReS, allowing members to find their regional society more easily.
 - Anette asked that AReS representatives at M&M check the AReS map to make sure that regions are displayed correctly, and fill in any areas that are not covered.
 - AReS Tour Speaker program.
 - Thanks to Ed for his contributions.
 - Clarissa is looking for more society officers/directors to volunteer to be speakers for this program.
 - Thomas Lam has volunteered.
 - Anette suggests new speakers could be vetted from outside the MAS leadership to be part of this program.
 - Anette also asked speakers to send a screenshot or picture from any meetings they participate in to be added to the website.
 - A list of recent talks through this program should be posted to the website as well.
- Awards Committee (Brad de Gregorio)
 - 2022 award winners:
 - Castaing Award: Dara Laczniak (Purdue University).
 - Macres Award: Aleksander Mosberg (SuperSTEM).
 - Coslett Award: Timmons Erickson (Jacobs Technology).
 - Birks Award: Aaron Torpy (CSIRO Mineral Resources).

- Presidential Service Award: Kerry Siebein (NIST).
- K.F.J. Heinrich Award: Jordan Hachtel (Oak Ridge National Laboratory).
- Presidential Science Award: John Panitz (University of New Mexico).
- Peter Duncumb Award: Colin MacRae (CSIRO Mineral Resources).
- MAS Scholar Awards (students and post-docs):
 - Benjamin Arredondo-Tamayo (Instituto Politécnico Nacional).
 - JoAnn Ballor (Michigan State University).
 - Adham Basha (Tel Aviv University).
 - Daniel Durham (University of California Berkeley).
 - James McFadden (Purdue University).
 - Mehrpad Monajem (Friedrich-Alexander-Universität Erlangen-Nürnberg).
 - Mehdi Mosayebi (McMaster University)
 - Claudia-Tatiana Santos Maldonado (Imperial College London).
 - Sang Bum Yi (University of Toronto).
 - Dasol Yoon (Cornell University).
 - Adrián Pedraza-Tardajos (University of Antwerp).
 - Alexandre Pofelski (Brookhaven National Laboratory).
 - Rekha Rao (University of Alabama).
 - Angel Valdez (McGill University).
 - Yao Ying (University of California Los Angeles).
- MAS Poster Awards are TBD.
- Winners were selected through review of abstracts by the awards committee.
- Some awardees will not be attending M&M, but those that are attending are bringing their plaques if Brad doesn't have them already.
- Dave has not heard from Aaron Torpey or Colin MacRae about reimbursement for their travel and registration.
 - Heather will follow up with both of them.
- o Best Student Poster awards:
 - The pool of awardees was split between MAS and MSA to prevent overlap.
 - Certain symposia were designated as "MAS focused" and awardees were drawn from there.
 - MSA typically awards 20-24 per meeting, though that number may be slightly reduced this year.
 - For 2022, MAS has a shortlist of 14 student posters to judge for this award.

- Of this group, distinguished scholar award recipients are not considered, leaving a pool of 10 finalists for two awards.
 - Poster awards will be given on Wednesday, 3 August at M&M.
 - Judging will be finished by Wednesday morning, giving Awards committee folks time to notify awardees so they can receive their awards that evening.
 - Brad suggests increasing the number of student awardees at future meetings to 3-4 rather than two, to maintain a similar award probability to MSA.
 - Dave notes that MSA gives awards each day rather than all at once, partly due to having more awardees.
 - Anette reminded the group to please take a picture of student poster awardees with their posters, to be added to the website and/or social media.
 - Creative Canvas awards:
 - The pool for 2022 includes 21 posters, with eligibility self-selected during registration.
 - The Creative Canvas award eligibility is not restricted to certain symposia, just whether the attendee indicated during registration that they wanted their poster to be considered.
 - Heather and Brad discussed the award criteria, whereby posters can be rated lower if they are not microanalysis focused.
 - Brad suggests that at future meetings, MAS focus on Creative Canvas and let MSA take over the student poster awards.
 - This change would eliminate issues related to overlap between the MAS and MSA awardee pools.
 - This would also mean less work for the judges.
 - This would also necessitate eliminating the requirement for “Creative Canvas” awardees to be microanalysis focused, since MAS would be judging all eligible attendees.
 - Brad and Heather agree to revisit this issue after M&M, to see how well the judging works this year and what issues arise.
 - A QR code has been created, linking people to the form to submit Best Paper award nominations.
 - An article outlining the MAS awards was published in the July issue of Microscopy Today.
- Computer Activities (Anette von der Handt)
 - MAS website:
 - Website traffic is up from 2021.
 - Events such as EBSD2022 and the open-source EPMA software webinar have driven traffic to the site.

- The virtual events have been quite well attended.
 - Webmaster activities:
 - Anette has been maintaining and updating webpage and society calendar.
 - MAS has hosted several virtual events (EBSD2022, EPMA software webinar).
 - An MAS intranet has been created (<https://sites.google.com/the-mas.org/masintranet/home>).
 - The intranet is up and is open to those with MAS Google accounts, but is not fully live yet.
 - The intranet will be a place for items such as committee discussions and storing SOPs and other documents related to MAS administration.
 - Future plans:
 - Finalize and expand the MAS intranet.
 - Work with the archivist to expand the website sections on MAS history.
 - Please report problems with things like email addresses to Anette.
- Social Media (Heather for Dan Ruscitto)
 - Dan is seeking committee members
 - This would be a good opportunity for new/younger members looking to get more involved in MAS.
 - Social media activity has been about steady.
 - Dan and Heather are looking for #elevateyourpaper candidates.
 - Members should provide a link to a paper and a Twitter-length (<280 character) summary to be posted on the MAS Twitter feed.
 - If possible, please provide a DOI link.
 - Open-access papers are best.
 - Fellows Committee (Heather for Donovan Leonard)
 - Donovan has taken over as Fellows Committee chair for Tom Kelly.
 - Thanks to Tom for his service in starting this program.
 - The nomination deadline for the next round of fellows is 30 September, 2022.
 - The committee is looking to add 2-3 new fellows per year (0.5% of membership/year), with the goal of reaching 10% of membership.
 - 2022 MAS Fellow nominees:
 - Larry Allard (Oak Ridge National Laboratory).
 - Greg Meeker (US Geological Survey).
 - Rhonda Stroud (Arizona State University).
 - International Liaison (Heather Lowers)
 - IUMAS will take place in June of 2023.

- o The AMAS meeting in Perth, Australia, has been postponed until late 2022.
 - o The EMAS meeting in Krakow, Poland, has been postponed indefinitely due to war in Ukraine.
 - EMAS hopes to reschedule this meeting for spring 2023.
- IUMAS8 Meeting (Josh Taillon for Andy Herzing)
 - o The [website for the meeting](#) is live,
 - Registration will hopefully open soon.
 - o MAS will sponsor a workshop at IUMAS8, focused on open-source data analysis and processing software.
 - This session 10 interactive tutorials/demonstrations from software developers.
 - Two keynote speakers will receive travel reimbursement (up to \$1000), other invited speakers will receive registration.
 - Keynote speakers:
 - Colin Ophus (NCEM) – Py4DSTEM.
 - Francisco de la Pena (ULille) – HyperSpy.
 - Other 8 speakers have been invited, 5 have accepted:
 - Nicholas Ritchie (NIST) – NeXL.
 - Marcus Hanwell (BNL) – Open Source DS.
 - Hakon Wiik Anes (NTNU) – KikuchiPy.
 - Jordan Hachtel (ORNL) – Machine Learning.
 - Jonas Lahnemann (Paul-Drud-Institut) – LumiSpy.
 - o Heather reminded the group that registration for this meeting may be limited, so be sure to register early.
 - Hybrid capabilities are expensive so the IUMAS organizers are not planning on a hybrid session, but may reconsider if demand is sufficient.
 - However, sessions may be recorded and available for viewing after the meetings.
- Microscopy and Microanalysis Journal (John Mansfield)
 - o John will provide updates at the business meeting on Wednesday, 3 August at M&M.
- Sustaining Members (Steve Seddio)
 - o There are currently 25 total Sustaining Members.
 - Two are MAS-only, 23 are joint with MSA.
 - Two sustaining members from last year did not renew.
 - Dues for Sustaining Members increased from \$600 to \$800 this year.
 - This may have been the reason one MAS-only Sustaining Member did not renew.

- o MAS will continue to make plaques for Sustaining Members.
 - Cost for plaques is ~\$800/year.
 - o Recognition of sustaining members continues:
 - Prominent display on MAS website.
 - Displays/signage/floor emblem at M&M.
 - Plaques at M&M (mailed to those not at M&M).
 - M&M Booth Visits.
 - M&M Proceedings (hand delivered at M&M or mailed).
 - MAS Social Invitation.
 - MAS/MSA SM Breakfast Invitation.
 - 3 members per SM are MAS individual members.
 - 1 ticket to Sunday night M&M reception (2 per joint SM).
 - 2 points for each year of SM towards M&M booth priority.
 - o Anette asked whether MAS is continuing the practice of taking pictures of Sustaining Members with their plaques on the M&M exhibit floor and posting them on social media.
 - Heather and Pat will be going around to Sustaining Members during the meeting to do thank-you's and to take these pictures.
 - Plaques should arrive by Tuesday.
- Topical Conferences (Yoosuf Picard)
 - o EBSD-2022
 - This TC was originally scheduled for summer 2020, but was pushed back to 2022 due to COVID-19.
 - The meeting had 124 attendees.
 - 80% of attendees were from academia.
 - The split between geology-focused and materials-focused attendees was approximately even.
 - Self-reported experience with EBSD was 36% beginner, 34% intermediate, 30% expert.
 - Three platinum sponsors (Oxford Instruments, EDAX, BLG Vantage), one gold sponsor (Thermo Scientific).
 - Financial support was provided to 32 early-career investigators (students/postdocs).
 - The TC featured 9 tutorials, 21 oral presentations, and 12 posters.
 - The TC generated \$12800 revenue against \$5400 expenses, for a net profit of \$7400.
 - Overall the meeting was very well received; audience feedback was very positive.
 - Two members of the planning committee are from Ohio State University, so OSU may be a possible host for the next EBSD TC.
 - o QMA 2022/23
 - The last QMA TC was held in 2019 at the University of Minnesota.

- The next QMA was originally planned for 2021 but due to COVID-19 has been pushed back to an unspecified date.
 - Due to IUMAS and other events, the next QMA TC is unlikely to take place before 2024.
- IUMAS running in 2023.
- There has been some talk of an MAS TC on large data topics (hyperspectral), to possibly run in 2023.
 - Andy, Josh, Nestor have expressed interest.
- Yoosuf is looking for ideas for other TC topics (CL, EBIC, soft X-ray spectroscopy, etc.).
- Finalize 2023 MAS Budget (All)
 - The initial budget shows a loss of \$52,600
 - MAS is not currently budgeting for in-person Summer Council meetings.
 - Resuming in-person Council meetings will be up to future MAS presidents.
 - Heather, Dave and Pat noted that the expenses for supporting student travel to IUMAS will need to be added.
 - In the past, MAS supported all student travel to IUMAS.
 - Recently, other societies have been sending their own students, so less support may be necessary for this.
 - IUMAS registration is purported to be ~800CDN (~680CDN).
 - MAS will cover invited speaker registration and travel.
 - A total of \$16,300 will need to be added to the proposed budget for student and invited speaker travel and registration (subject to fluctuating exchange rates).
 - The Science History Institute is covering many of the archivist charges.
 - Pat noted that an answer will be needed for why the budget projects as a loss.
 - Josh noted that an expense of \$10,000 will be necessary for supporting the NSF proposal for microanalytical standard creation and distribution.
 - Angela suggested that the Membership chair receive reimbursement for registration and lodging for M&M, given their workload during the meeting.
 - Heather noted that this might be possible, as many council members do not use the funds allotted for their registration or travel, as their home institution/company may take care of it.
 - Heather asked for clarification on the current allotment for reimbursing Council members for M&M travel, lodging, and registration.
 - Dave said that the Executive Council (president, president elect, secretary, treasurer, and six directors) and award winners get free registration.
 - Travel and lodging for award winners may also be covered at Council's discretion.

- In the past, hotel has not been included.
 - The budgeted registration comp was increased to \$7500, which could cover some of the other committee members in addition to Council.
 - o The MAS/MSA winter council meetings will likely stay virtual, so there is no need to budget for those.
 - o Pat, Heather and Dave discussed IUMAS funding.
 - \$16,000 is budgeted to cover travel and registration for invited speakers, and for a student from each society.
 - o Heather asked if there was an estimate of expected MAS co-share for M&M2022.
 - Dave said the estimate was \$30,000.
 - o Topical conference expenses will stay at \$0.
 - No TC's are scheduled for 2023, so no seed money is necessary.
 - o Pat asked what the total revenue was from Sustaining Members.
 - \$12,000 has been budgeted.
 - Steve will have that number before the business meeting.
 - Dues increased last year, but may not be increasing again.
 - o Heather suggests a motion to approve budget with the following changes:
 - Expenses:
 - \$16,300 for IUMAS
 - \$10,000 to supplement the NSF proposal for creation and distribution of standards.
 - \$5,000 for hotel/travel compensation for awardees and Council.
 - \$0 for Topical Conferences.
 - Income:
 - \$10,000 from M&M registrations.
 - \$30,000 for the 2022 M&M co-share.
 - Josh so moves, Thomas seconds.
 - Motion carries.
- Other business (Heather Lowers)
 - o Heather asked that all committee chairs please review your slides and condense them for the business meeting.
 - o Anette suggested making a Zoom link for people to join the business meeting remotely.
 - Anette and Owen will test Wi-Fi and Zoom setup prior to sending to members; there is a chance it may not workable.
- Adjourn – 13:48 EDT.