

TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

Fall meetings of TCAA MINUTES

SYDNEY MEETING 185

Tuesday, November 28, 2023 7:30 PM (CDT)

Zoom (virtual meeting)

Tuesday, December 5, 2023 5:40 PM (Sydney)

In person (EC Business)

Chair: **David Woolworth**

Chair-Elect: **Matt Golden and Will Byrick Assist**

In Attendance: Virtual (Nov 28) 41 signed in, In Person (Dec 5) 44 attending.

Yellow text are holdovers from previous minutes- not current information provided, but this is relevant.

Green information developed during or after our meeting in Sydney.

Section One: Welcome and Acknowledgments

Note that Matt Golden has stepped down as TCAA chair elect around the time of the Sydney meeting. David Manley has been appointed to the position to fill out the term and roll on as TCAA chair after May 2025, following ASA protocols.

I. Welcome and Introductions

- Attendance form: your attendance will be logged by the meeting app.
- https://docs.google.com/forms/d/1NU5Ti2GRgs2YEcvLYOb3W5qCs016-LS5kHVb4vcyk4/viewform?edit_requested=true
- Attendees are encouraged to become TCAA members if they are not already.
- Introduction to TCAA (students)

II. Previous Minutes

- Approval of previous minutes: approved
 - Previous minutes –
 - Reminder: TCAA Meeting Agenda and Minutes are published on the TCAA website <http://tcaaasa.org>

III. Acknowledgments

- **Marcia Isakson, ASA; Jeff Parnell, AAS** (General Chair)
- **James Miller, ASA; Benjamin Halkon, AAS** (Technical Program Chair)
- **WESPAC Representative: Marion Burgess**
- **TPOM David Manley** (rolling off after Sydney) **Brandon Cudequest & Winter Saedi** (TCAA TPOs), **Winter has rolled off as well and Kaitlyn Hunt will now replace her.**

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- Session Chairs: **Lucky Tsaih, Wei-Hwa Chiang, Michael Vorlaender, Densil Cabrera, Robin Glosemeyer-Petrone, Benjamin Shafer, John Davy, Wilson Byrick, Tony Hoover, Alexander Case, Ning Xiang, Lamberto Tronchin, Angelo Farina, Jin Yong Jeon, david woolworth, David Manley, Bennett Brooks, Brigitte Schulte Fortcamp, Winter Saeedi, Brandon Cudequest Bosun Xie**
- 1200 attending, Presenters: 96 papers in 12 sessions (approximate)
- **Sean Browne** (Webmaster)

IV. Congratulations!

- **New Fellows**
 - **Ben Markham**
 - **John Davy (Australia)**
 - **Beranek Scholarship**
 - **Zane Rusk 2023**, Penn State
 - **Winker Scholarship**
 - **Greg Hernandez 2023**, University of Rochester
 - **Student paper award winners**
 - **1st place-tie -**
 - **1pAA3 Jonothan Holmes - Geometric solutions for focusing retroreflectors**
 - **4pAAa3 Dayun Choi - Target sound extraction on reverberant mixture**
 - **Student Design competition**
 - **First Honors: Milena Jonas Bem, Rensselaer Polytechnic Institute, Flora - \$2,250 award**
 - **Commendation: Therese Alegroth, Matilda Nivemark, & Bircan Demirci, Chalmers University of Technology, The Flower - \$1,375 award**
 - **Commendation: Linda Matsubishi, Hanna Vennberg, & Rushi Ganapathi, Chalmers University of Technology, Sunken Symphony - \$1,375 award**
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TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA)

THIS SECTION OF EC BUSINESS WAS TO BE CONDUCTED IN SYDNEY AND MAILED/POSTED TO TCAA MEMBERS NOT ATTENDING FOR FEEDBACK. NO ITEMS REQUIRED A VOTE OR FEEDBACK

v. **Chair's Report**

1. **Editor in Chief (Jim Lynch)**

- JASA has a 50% acceptance rate
- JASA IF 2.4 Special issues have contributed to this success. See JASA dashboard - impact factor is 1.73 for TCAA
- "Read and Publish" program and Open Access is in the future.
- [Across Acoustics](#) is the official podcast of the Acoustical Society of America's Publications' Office
- JASA Reflections – will be republishing old articles
- ASA Propagations: the blog of the ASA
 - i. <https://acoustics.org/introducing-propagations>

2. **POMA (Megan Ballard- Editor of the Proceedings of Meetings)**

- Publishing a proceedings article in POMA based on a presentation or poster from an ASA meeting is included as a benefit of the ASA registration fee.
- However, POMA remains underutilized by ASA members, with only about 10% of authors submitting POMA articles.

3. **ASA President (Stan Dosso)**

- Nothing specific to report

4. **Committee to Improve Racial Diversity and Inclusivity – CIRDI (Peggy Nelson)**

SURIEA (Summer Undergraduate Research or Internship Experience in Acoustics) has 7 new folks for the summer and suggesting outreach to HBCU's (Historically Black Colleges and Universities) by TC members to spread the word. Also reaching out to those with no direct route of access to acoustics, Chicano, Native Americans, women in engineering, STEM job boards, and minority institutions.

We have voted to provide 1 year of funding to the CIRDI (\$40k); they are looking for other sources. The money will come from the \$70k per year that is set aside for TI's. Note that last year's TI expenditure was \$32300, and this year (2023) it does not appear that we will come near that, so this money is unused.

5. **Meetings (and pilot virtual meeting) DISCUSSION**

- networking/time zones/students-senior members/doesn't have to look like a normal meeting- need to set expectations and intent (access, environmental concerns, positive)/technical things that are difficult to do

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in person-lightning sessions-panels-alternative to hybrid registration fees-group registration-lab rate-company rate- high quality – recorded content-incentivize participation./things we can't do well/experiment

- Length of meeting-3 days? November? What are good days?
- EC TC councils are outside the online meeting
- What preparation is needed for successful sessions or other events. Pre-recorded? Chair prep? Organization?
- Keep in mind that whatever we want to do needs to be determined by Sydney.

- Comments on Virtual Conference
 - Computer based/software-based things, audio simulations will drive some preparation on the attendee end.
 - Audio quality must be good.
 - few slides (shorter presentation) and a discussion
 - Requested limited to 3 days.
 - Extended mid-day break
 - Suggest pre-recorded, access to sessions after, record the live sessions.
 - Accommodate international contributors.
 - Encourage communication between presenter and audience.
 - Suggesting Mon, Wed, Fri
 - Make sure it is done right

- General Meetings Comments
 - suggested vetting to help shorten the meetings
 - consolidation of sessions.

- Comments on this meeting?
 - Food at the Tuesday social was less than ideal.
 - Add escalators between floors – Michael V.
 - Solution Showcase was poorly located and poorly timed.

6. Other

- In Memoriam:
[Richard Raspet](#)

Section Two: Committee and Subcommittee Reports

I. ASA Committee Reports

1. Membership (Damian Doria) reappointed

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- Membership is doing well overall, with 8 new Full Members in the last 6 months identifying TCAA as primary or secondary interests.
- If anyone is an Associate ,or Student Member who is soon ineligible to continue as student status, consider applying for Full Membership. Associate Membership is currently \$50 less per year than Full Membership. After 5 years as an Associate Member, your dues increase to the same as a Full Member, so there's no savings long term. Associates who've been in the Society for more than 5 years still must fill out a short application to be approved for Full Membership. You must be a Full Member to be eligible to vote or become a candidate for ASA elected offices. Of course, all of you want to have a vote in the electoral process even if you're not ready to volunteer for elected service to the Society. So, go apply now. Thank you to all the Full Members and Fellows for your ongoing support and participation in the Society.

From Damien: As a side note, I'm not sure if/when my Membership Comm term is up, but I'd love to roll off. If TCAA can find an interested party most of the work is minor and concentrated just before the Membership Committee meetings twice a year.

Basically, you review the applications for Full Membership to see if a candidate in the AA field is ineligible for some reason and request more info if necessary. For reference, I've had one that needed more info than provided in the application and they provided it and were accepted. So, not a challenging task. Fellow nominations are a little more work but we have had 1 to 3 per year to present to the Committee. It involves taking the nomination letters and nominee's CV and adding information to a summary for the Committee members using a template the Committee has developed in recent years. Then, at the meeting we present the candidate briefly to the Committee members who should have reviewed the summary prior to the meeting. There's some discussion and the Committee votes. It helps to spend a bit of time becoming familiar with your candidate's qualifications, but aside from that, there's not a lot of work involved in the Fellowship process either.

- 2. Meetings (Damian Doria)- Dissolved committee**
Membership Committee update is positive. We've had a steady trickle of Fellows within TCAA and I know there are others under consideration for future committee meetings. Watch the meeting program for new Fellows and give them your support and congratulations.
- 3. JASA (Ning Xiang)**
 - JASA TCAA 3rd highest TC highest Impact Factor in ASA.
- 4. JASA-EL Associate Editor (Ning Xiang)**
 - JASA EL this year impact factor is available, should be going higher due to 1st time available.
- 5. Publications Policy (Eddie Lau)**
 - No report received/No comment

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6. POMA - Proceedings of Meetings on Acoustics (**Lauren Ronsse, contact Ironsse@unl.edu**)

Proceedings of Meetings on Acoustics (POMA) is an editor-reviewed, open-access, online journal published by the Acoustical Society of America (ASA). Articles originate as papers presented at semiannual ASA meetings or at other cosponsored meetings. Both researchers and practitioners are encouraged to submit manuscripts to POMA.

POMA holds a series of society-wide student paper competitions for a POMA submission based on a presentation or poster from ASA meetings.

Award Amounts: Up to five student papers will receive an award of USD \$300. Additionally, the student paper winners will be noted on the POMA cover page and their article will be promoted in email and social media campaigns.

Mechanics: Student authors will indicate they want to participate in the competition at the time of submission.

Timeline: The competition deadline is 11:59 pm Eastern Standard Time, 30 days after the meeting.

- Ron asked about prior presentation submission and Lauren confirmed they are permitted.
- Lucky asked if POMA considered EI Journal, Ning confirmed it is not peer reviewed. Lucky encouraged POMA becoming EI journal for to encourage Asian student involvement. Ning doubtful if feasible.

7. Women in Acoustics (**Kaitlyn Hunt/Ana Jaramillo**)

No report WIA Dec 6 lunchtime sold out .

In Sydney there won't be an honorary woman. 2025 will be next honoree

8. College of Fellows (**Tony Hoover**)

- Ed Walsh (TC Animal Bioacoustics) and has taken over as Chair of The College of Fellows Steering Committee. Many Thanks, Ed!
 - There has been discussion regarding the process of nominating and confirming ASA Fellows. A summary with more information was generated by members of the College of Fellows, Membership Committee, and others. A draft summary was distributed on 26 April; a more complete version was available shortly thereafter.
 - <https://acousticalsociety.org/procedures/#fellowship>

9. Regional & Student Chapters (**Ana Jaramillo (+ken Good?)**)

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- The Committee on Regional and Student Chapters met on 11/14. There haven't been any new Chapter requests since last May. Please check the committee's bulletin board during national meetings to see recent activity and information about creating new chapters. The committee will be looking for a co-chair in 2024 when Evelyn Hoglund steps down (Ana remains as co-chair). The committee is working on strengthening outreach and diversity through the chapters' activities.
- Reminder: in order for the CRSC webpage to stay current with chapter information, please share links and contact information with Dan Farrell.
- Each chapter can now manage their offices and contact lists
- Chapters should still plan to send updates to Keeta for social media throughout the year.
- New Chapter submittal package for the committee to review. (University of Rhode Island)
- Royster (noise) Competition: 2024 North Carolina expressed interest. Nebraska expressed interest for 2025. **more info needed**

10. ASA Jam (Tony Hoover)

- The Jam will be held Tuesday evening 05 December, 8pm to midnight, at the Foundry 616 Jazz Club, which is near the Sydney meeting site. Many thanks to Dave Woolworth who represented ASA essentially single-handedly for all of the arrangements!

11. Medals and Awards (Tony Hoover)

- We congratulate our friend/colleague Peter D'Antonio, who will be awarded the high honor of the 2023 ASA Wallace Clement Sabine Medal, "for contributions to theory, design, and application of acoustic diffusers." The full encomium should be available through ASA soon.
- There also various other awards. All of the salient information is on the ASA website, in case you may be pondering a nomination dossier. Feel free to contact me with questions.
- Ron is subbing for Tony at upcoming MAC meeting, and because of his years of excellent work on CoF.

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12. Standards (Derrick Knight) **Brandon Cudequest new rep. Grab report from standards folder**

- Committee met Nov 8th, subs will meet in Ottawa. Continuing need of getting more membership, 2 new standards, 2 withdrawn, 24 reaffirmed. Not enough people to do the revisions to reaffirmed. International standards had 41 open, 72 closed ISO ballots. Details will be presented Tuesday in Ottawa.
- **Ron Sauro: ASTM ILS 898 report issued, ISO committee 354 (Reverberation Time) disbanded. See Internoise paper by John Davy August 2023 for details.**
- Standards revisions are needed, volunteers are needed
 - contact Steve Lind stephen.j.lind.ut88@gmail.com and Derrick Knight Derrick.Knight@tranetechnologies.com

13. Practitioners and Industry (Derrick Knight, Tony Hoover liason)

- **Ad Hoc Committee on Practitioners and Industry**
No activities for Sydney. Solutions Showcase to return in Ottawa and possibly some version of it for the Virtual Meeting.
- Student lunch in the works for New Orleans. Purpose: job hunting and exploring options. ASHRAE TC2.6 special day of sessions at ASA New Orleans as a pilot for a potential longer term collab. Hope to grow involvement in both organizations.

14. Student Council (Olivia Heui Young Park)

- Here is the summary:
- Several students events at Australia (First-Time Attendee & Student Orientation, Student Meet & Greet, Student Informal Outing, Student reception), over 300 students registered
- No SMMFL this time, but will appreciate if there are volunteers for members for the next conference!
- SONIC (Student Outreach for Networking & Integrating Colleagues) has 20 newbies and 13 guides so far. Still need some guides (volunteers) for Speech & P&P TCs!
- Lots of social media outlets for student council, including the webpage: asastudents.org
- **There will be an "Intro to TC" special session in Ottawa**

15. Panel on Public Policy (Eric Reuter)

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- No report received
- Pickleball people actively interested in ASA and public policy.

16. Education (Jim Degrandis, Lucky Tsiah)

- EDCOM met virtually on November 15th.
- At the May 12, 2023 meeting of the Executive Council, the EC voted unanimously to begin the process of converting EDCOM into a Technical Specialty Group as the next step toward becoming a full-fledged Technical Committee.
- On December 3, 2023 at the ASA Sydney meeting, the Executive Council will formally vote to:
 - Sunset the current Administrative Committee on Education in Acoustics
 - Establish a new Technical Specialty Group (TSG) on Education in Acoustics (ED)
 - Establish a new Administrative Committee on Outreach and Education(... *effectively dividing EDCOM into a Technical and an Administrative committee.*)
 - **ED will begin functioning as a Technical Specialty Group at the ASA 186 Ottawa Meeting.**
 - ED will operate as a Technical Specialty Group for three (3) years
 - Must obtain support of 2% of the individual ASA membership (select ED as their 1st, 2nd, or 3rd choice)
 - Continue organizing special sessions and other functions as we have been doing.
 - TSG is not represented on Committee on Medals and Awards, Membership Committee, Student Council, or ASACOS.
 - TSG is not eligible for technical area awards of the Society but may encourage the timely preparation and submission of dossiers for Fellowship of the Society.

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- *(This is the same process which Computational Acoustics TSG recently completed to become a TC.)*
- **Administrative Committee on Outreach and Education will begin operating at ASA 186 Ottawa**
- Membership of this new admin committee will be appointed by ASA president
- The function and role of the Administrative Committee on Outreach and Acoustics Education would be to assist and advise the full-time ASA Education and Outreach Coordinator (Keeta Jones)
- The Administrative Committee on Outreach and Education would answer directly to the Administrative Outreach Council, and then to the Executive Committee.
- Lucky-consider specialty of education Jessica Clements involved book club-teaching -learning topics in virtual tours and other spaces
- Demos to science teachers model MS delta program NCAC

17. Tutorials, Short Courses, Hot Topics (Eddie Lau)

- No report received

18. ASA Books Committee (Robin Glosemeyer Petrone)

- No report received

19. Member Engagement (??)

- Ana's Term has ended
- **Laura Brill** and **Sunit Girdhar** have been participating in ME.
- No report

20. Archives and History (Brandon Cudequest)

Collected Works of Distinguished Acousticians, Leo Beranek project:

▪ The proposed collection will consist of more than 200 articles. We are in the process of forwarding the copyright request to ASA Publications and HQ for approval. Once all approvals are in place, we will proceed with requesting the copyright permissions.

- **ASA History/Founders**

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- As part of an ongoing initiative, we are collecting information on lesser-known ASA founders. The goal is to add as much information as possible about the founders to the A&H site by the centennial. Several lesser-known founders have roots in AA. Any information on these individuals would be helpful. You can reach out to me directly, bcudequest@gmail.com, if you have information on the following people:
 - John Boland (misspelled as Bolen in the 1928 picture) – executive at National Gypsum Company
 - Bert Graham – Vice-president of Macoustic Engineering Company
 - Edward Schroeter – Found of Macoustic Engineering Company
- **Library Digitization**
 - Do you have a collection of papers, sketches, and/or ephemera from retired or deceased ASA members? Contact Brandon to discuss digitization and preservation of significant items. Brandon Cudequest <bcudequest@thresholdacoustics.com>
 - **Neil has recommended collections: noted many founders have papers (Columbia, UCLA, Carnegie Melon) provide links to special collections that are available online.**

II. TCAA Subcommittee Reports

1. Speech Privacy (Ken Good)

- [* The TCAA Speech Privacy Subcommittee will be meeting on November 29th 2:00pm \(eastern\). Moved to Dec 11 week.](#)
- Members should have received a notice through basecamp. If you did not receive notice or would like to be connected through basecamp, please contact me.
 - kwgoodjr@armstrongceilings.com

2. AIA/CEU Course (Ken Good)

- To qualify as a presenter, you must be a member of ASA. A member of TCAA, and have completed the TCAA CEU Training Course. The last course was TECHNICAL COMMITTEE ON ARCHITECTURAL ACOUSTICS (TCAA) 12 offered at the 181st meeting (Seattle).
- The next course will be offered in Ottawa (spring 2024). There is not an official "expiration" for qualified presenters, however if it has been a while since you attended the presenter's session or a while since you presented this course, I would encourage you to attend the session in Ottawa.
- Usage is health with an average just over one course offered per month.

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- A frequently asked question continues to be about remote or virtual presentations. This is an IN-Person course and may NOT be presented virtually for several reasons. Among them are, this is copy written material, course integrity, course intent.

3. Sustainable Acoustics (Lucky Tsaih)

- Meeting in November 2023. new people from ASA and EAU, **8 members**.
- Sustainable Acoustics
The current TCAA Subcommittee website for Sustainable Acoustics needs to be activated first ([Subcommittees | Technical Committee on Architectural Acoustics \(tcaaasa.org\)](#)) and be updated for the green and well building ratings info, projects, products, and research papers.
- Virtual dec 2024 186th . Session proposed for 187th ASA-ICA New Orleans
- Please participate this subcommittee by signing-up the link, (<https://forms.gle/QXZ3NBZhHoesayQ67>)



4. Concert Hall Research Group (Robin Glosemeyer)

- No report

5. Healthcare Acoustics Subcommittee (Jo Solet)

- **No report, Jo on medical leave**

6. Classroom Acoustics (Dave Woolworth)

- Nothing to report, however S12.60 is looking closely at the use of average absorption vs. reverberation time in order to address both clarity of speech and noise buildup.
- Standardization of avg absorption under development, Joe Keefe provided information on LEED/FTI methods in use, Sauro/Hallman working on prediction model for absorption.
- Avg absorption avoids the volume criteria and is linear.

7. Newman Student Fund (Lily Wang)

- No report received. **Next meeting Ottawa**

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Section Three: New Business and Meeting Planning

I. New Business

- Knudsen lecture (new process)
 - Committee of current and past two TCAA chairs to determine Knudsen lecturers in the future. The committee can solicit suggestions from TCAA to create a pool of candidates.

II. Planning of Future Meetings

- 186th Meeting, Ottawa, Canada, – 13-17 May 2024
 - Tentative Special Sessions
 1. Building envelope sound insulation **Lucky Tsiah, Joe Keefe**
 2. Memoriam session for Jerry Christoff (**Samantha Rawlings**)
 3. Show your data (**Bruce Olson Ana Jaramillo**)
 4. Mass timber (**David Manley, Evelyn Way**)
 5. Classroom Acoustics (**Pasquale Bottalico, Dave Woolworth, Benjamin Tucker**)
 6. Meta surfaces for Absorption and diffusion. (**Ning Xiang and Peter D'Antonio**)
 7. AI and machine learning (Joint with Noise, computational) **Semiha Yilmazer**. – repeat title.
 8. Presentation of historic papers. (**Michael Vorlaender** and James Phillips)
 9. Soundscape - **Noise Primary Sponsor**
 10. Airborne and Impact Noise Transmission in Buildings. (**Matt Golden, Ben Shafer, Sunit. Garhard**)
 11. Training for AIA (**Tony Hoover and Bennet Brooks**)

Tours will include Arts Center (Scott Pfeiffer) and NRCC (Jerry and Wil).

- 187th Meeting – Virtual, fall 2024
 - Modeling Techniques and computer tools – (**Laura Brill & Ana Jaramillo**)
 - Challenging HVAC Situations -feel the heat! – heat pumps (**joe , Brandon**)
 - Reproducibility in Architecture -test reproducibility in AA (**Ben Schaffer, Mike Raley , Evelyn**)
 - Overview of current sustainable acoustics practices, (carbon captuer , microplastics, materials production recycling (**Arthur van der Harten Adam Bettcher**)
 - ron LF testing and usage of data under 100Hz for building acoustics. (**ron sauro**)

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- 188th Meeting New Orleans 19-23 May 2025 ICA-ASA joint conference
 - At the intersection of Speech and Architecture (**Ken Good, Pasquale Bottalico, Evelyn Hoglund**)
 - Sustainability and Acoustics (**Arthur van der Harten Adam Bettcher**)
 - “The Intersection of the Acoustic and Structural Domains in Sound Transmission in Buildings” to include topics around structural vibration and acoustic sound transmission. (**Evelyn Way, Pablo Daroux**)
 - HVAC day of ASHRAE (**Derrick Knight**)
 - ESG acoustics (**Lucky Tsiah**) environmental, social, and governance
 - *Real-world implementation of innovative acoustic surfaces* (Louena Shtrepi, Zackery Belanger (EAA))
 - up to 2 more sessions, 3 total from EAA (EAA suggestions and cochairs?)

 - Benchmarks in computational room acoustics (Vorlander, Keith Wilson)
Computational Acoustics primary sponsor

 - ISRA International Symposium on Room Acoustics follows ICA-ASA in New Orleans, tentatively May 26, 27. We are looking for volunteers to help with the coordination of the meeting logistics and the technical program.
 1. The first day is tentatively joint with music (ISMA) and will focus on the interaction of musicians and rooms.

- 189th Meeting Honolulu

III. Technical Initiatives – Reports and Renewals

- Note: Technical Initiatives are meant to inspire and support innovative ideas. Suggestions for appropriate investments in outreach, education, and other ASA activities are encouraged. TIs do not automatically roll over.

- No TI’s were proposed.

- Discretionary Funds:
 - \$5000 annually, can be used to assist Invited Speakers, Student Paper Awards
 - AIA CEU ongoing
41% CIRDI (Section 1.V.7 above)

New Business?

- Ron; ASTM pushing for a new diffusion standard. New changes to appendixes of C423.
- Lucky; request to extend submission deadline for Ottawa. January 8th should be extended. Ana advises that this may not be possible. Joe thinks it is too soon as well.

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Meeting Adjournment