

ASEE ERM Business Meeting

Held in conjunction with the 2025 ASEE Annual Conference and Exposition

11:00 a.m. – 12:30 p.m. ET, June 23, 2024

517CD - General Session, Palais des congrès de Montreal

Agenda:

- Welcome
- Consent agenda (attached)
- PIC II Chair Report
- Annual Community Celebration and Awards Reception

Consent Agenda Reports

Chair: James Huff

Here are some updates from me regarding the state of ERM:

Finances: We continue to thrive in our finances, thanks to contributions from the profits of the Frontiers in Education Conference. Our rise in funds have enabled us to invest more in the ERM community as detailed in the Treasurer's report.

Strengthening ASEE Conference Program for Authors: My immense gratitude goes to **Catherine Berdanier** (Penn State), **Cass McCall** (Utah State), and **Jessica Deters** (Univ. of Nebraska—Lincoln) for their joint efforts to improve the ERM program for authors. The Vice Chairs for Programs report details these changes, but I want to highlight a few here:

- We successfully introduced a new Research Briefs track as a peer-reviewed track designed to *catalyze* authors toward journal publication. With the constraints of telling the full story in the span of a few pages, authors can present their best work at the ASEE conference without worry that they are precluding themselves

from publishing in a journal at a later (or concurrent) time. The Vice Chair report shows how many authors pursued this opportunity.

- We offered increased attention to the abstracts that were submitted and were quicker to transfer when abstracts did not demonstrate a clear fit with ERM. This enabled authors to present their work at ASEE and strategically reduce the number of ERM papers while minimizing our rejection of full drafts.

Coordinating Communication among NSF PIs: As demonstrated in the Director's Report, we leveraged this network to serve as a communication hub among individuals affected by the terminations and structural changes at the National Science Foundation. Some of our mechanisms involved offering personal outlets outside of our professional organizations.

Secretary/Treasurer: Aaron Johnson

I'm Aaron Johnson, your ERM Secretary/Treasurer for 2024-2026. ASEE has allowed divisions to access their BASS accounts again, and so we have full use of our funds. ERM's current balance as of 03/31/2025 is \$48,941.54. The bulk of this is from ERM's share of the FIE 2023 surplus, which was \$42,417.86. The remaining balance is from our ASEE membership allocation and dues. We expect to receive funds from the FIE 2024 surplus on the order of \$24,000, and we are also expected to contribute \$10,000 seed funds to support FiE 2025.

With our BASS account released and recent boosts in our funds from FIE, we are once again able to fund the purchase of plaques for ERM award winners and provide travel reimbursements for the ERM Distinguished Lecturer and winners of the Apprentice Faculty Grant. Two of this year's AFG awardees were unable to travel to ASEE due to concerns about international travel, and their reimbursement will be applied to the 2026 ASEE Annual Conference.

Vice Chairs for ASEE 2025: Jessica Deters and Cassandra McCall

Last year, we added a "Research Brief" category and implemented page limits for each paper category, with the goal of making conference papers a catalyst toward (rather than a distraction from) scholarly publications in journals. We want to thank

Dr. Catherine Berdanier for leading the effort in 2024 to revise our CFP and build intentional pathways to journal publications.

We are excited about our program this year! Our Distinguished Lecture will be given by Dr. Karl Smith on Wednesday at 8am, titled "Major Shifts in Engineering Education and their Implications." We sponsored one workshop on Sunday, and we're hosting 7 special sessions, one panel, 16 technical sessions (5-6 papers each) and 5 WIP sessions (6-7 papers each).

For the 2025 conference, we had:

- Abstract Phase:
 - 339 abstracts initially submitted
 - 189 abstracts accepted, 119 abstracts transferred to 37 other divisions, 30 abstracts rejected
 - Of the accepted papers: 40 Full Papers, 30 Research Briefs, 49 WIP, and 70 did not indicate a length
- Draft Phase:
 - 145 drafts submitted (57 withdrawn or not submitted)
 - 62 accepted, 72 revisions, 13 rejected
 - 3 appealed: 2 reinstated and 1 rejected
- Final Phase:
 - 125 total finalized papers (189 in 2024 and 157 in 2023)
 - 44 Full Papers, 27 Research Briefs, 41 WIP, and 33 did not indicate a length
- Reduced sessions running concurrently with the business meeting from 3 in 2024 to 2 in 2025.

Thank you to all of our authors, reviewers, and moderators who are making this week possible!

Vice Chair for Publications: Sindia Rivera-Jiménez

1. **LinkedIn Page Growth:** Since launching the ERM Division LinkedIn Page on October 21, 2024, we've seen promising engagement: 248 followers, 8,935 impressions, 84 reactions, and 8 reposts. This growth reflects our expanding digital presence, and I encourage all members to continue supporting this momentum by resharing posts, following the LinkedIn Page, and engaging with our LinkedIn Group. Your amplification helps extend our reach and visibility.

2. **ASEE Website Announcements:** I have consistently posted announcements to the ERM section of the ASEE website since October, with the exception of January, which was a challenging month for me personally. I would like to express my sincere thanks to Mica for her mentorship and support throughout this transition.
3. **Cross-Posting on LinkedIn:** All website announcements have been repurposed and posted on LinkedIn, often multiple times using bulk scheduling tools to maintain an active and visible presence. Discussion Point: I am no longer active on Twitter. If we wish to maintain ERM's presence on that platform, we may need to identify someone else to take over that account.
4. **ERM Website Maintenance and Workflow:** Thanks to James, the ERM website was updated prior to this year's conference. Looking ahead, I plan to conduct a review of which sections are static (permanent information) versus dynamic (regularly updated content). This will help us establish a clearer workflow for updates. Please note: My role is to post content, not to generate it. I will need timely input from committee chairs and ERM leaders to ensure accuracy and relevance.
5. **Marketing Materials for ASEE 2025 Annual Conference:** Both the Distinguished Lecture flyer and schedule bookmarks received a visual refresh this year. Approximately 300 printed schedules and 100 Distinguished Lecture brochures will be produced and distributed. While the core functions of these materials remained the same, I also launched a daily LinkedIn posting campaign during the conference to keep our community informed and engaged throughout the event.

Apprentice Faculty Grant Committee: Natascha Buswell and Dina Verdín

This year, the Apprentice Faculty Grant Committee had two main goals:

1. Solicit applications for the AFG award and select recipients based on clear criteria
2. Create databases of reviewers and mentors for streamlining the process in the future

We received 28 applications for the 2025 ASEE ERM AFG program, up from 26 applications in 2024. We asked previous AFG award winners and current ERM members to be reviewers for this year's award, and 19 people graciously

volunteered. We are very appreciative of those who agreed to review! The selection was very competitive, and the following four scholars were selected as the 2025 AFG awardees:

- **Dr. Jennifer Brown**, University of Georgia, Mentored by Dr. Alexandra Coso Strong
- **Dr. Carlos L. Perez**, Pennsylvania State University, Mentored by Dr. Lydia Yang
- **Dr. Gibin Raju**, Texas A&M University, Mentored by Dr. Samantha Brunhaver
- **Dr. Alexandra Werth**, Cornell University, Mentored by Dr. Aaron Johnson

Each AFG awardee was matched with a mentor within the ERM community. While we typically prefer the mentoring pairs to both be attending ASEE, with this year's international travel complications, some mentor pairs are meeting virtually. Each AFG recipient will also be awarded \$2000 from ERM to support travel to ASEE (this year or next) and will be recognized at the ERM Business Meeting during the conference this year.

We were also able to create two databases, one for reviewers (with 19 volunteers willing to be in the database to be contacted in future years as reviewers) and one for mentors (with six volunteers willing to be considered as mentors in the future). We are always looking to grow this volunteer database to make reviewing and matching mentors a simpler process. You can find the intake forms here:

Reviewer Intake Form: <https://docs.google.com/forms/d/10iEwgOJloVNUTAD-FBgmwa3moOovfpt97RwQZVldQxs/edit>

Mentor Intake

Form: https://asuengineering.co1.qualtrics.com/jfe/form/SV_ewHpuwcMc74rjDM

Nominating Committee: Sarah Rodriguez

We had 10 nominations for Director, with two open positions. We had two nominations for Chair, with one open position. The winners of these positions have been noted earlier in this consent agenda.

- Chair: Nicole Pitterson (Virginia Tech)
- Directors: Karin Jensen (University of Michigan) and Kirsten Davis (Purdue University)

Best Paper Committee: Kristen Davis and Samantha Brunhaver

The authors of the Best Paper and three honorable mention papers have been notified and will be announced at the business meeting.

Thank you to those who served on the Best Paper Committee! They are: Abeera Rehmat, Adetunji Adesola , Andrew Gillen, Boni Yraguen, Cassie Wallwey, Gabriella Fleming, Jennifer Brown, Jill Cicek, KJ Chew, Mohammed AlRizqi, Olivia Ryan, Patricia Verdines, Qin Liu, Robert Loweth, Rubaiya Murshed, Siqing Wei

Best Diversity Paper Committee: Jerrod Henderson

The authors of the Best Diversity Paper and one honorable mention paper have been notified and will be announced at the business meeting.

Thanks to the ERM community for participating in this process. We had 19 volunteers and ultimately 14 people reviewed. Those individuals serving on the Best Diversity Paper Committee are: Sarah Wilson, Amy Kramer, Kelly Northridge, Kristen Wyckoff, Renee Desing, Sukeerti Shandliya, Sara Vick, Olorunfunmi Shobowale, Dominik May, David Mannes, Rachel Figard, Fiona Zoutendyk, Jenny Brown, Adesola Adetunji

Vice Chair for FIE 2025: Courtney Faber

Reviewed by: Michelle Jarvie-Eggart (Michigan Technological University; Vice Chair for FIE 2026), So Yoon Yoon (University of Cincinnati; Vice Chair for FIE 2024)

The FIE 2024 Report is Appended to the back of this consent agenda.

Additionally, the FIE 2026 conference will be international and hosted in Cyprus and the FIE Conference Steering Committee is actively seeking proposals to host future conferences, including FIE 2027 and beyond.

The FIE Steering Committee and ERM Division we are looking for a new Jr. Technical Planning Committee (TPC) Member to represent ERM for FIE 2026 (and then Vice Chair for FIE 2027). Please contact the ERM Chair if you are interested in this role.

FIE – Dasher Award Committee: Jean Mohammadi-Aragh

The FIE 2023 Benjamin Dasher award winner (awarded at FIE 2024) was:

Wallwey, C., Kramer, A., Kajfez, R., & Dringenberg, E. (2023, October). Exploring Undergraduate Engineering Students' Changing Beliefs About Smartness in Engineering. In 2023 IEEE Frontiers in Education Conference (FIE) (pp. 1-6).

The Dasher Awards committee recognized this as an interesting and important topic. The paper was well-written and clearly established that there is a shift in student attitudes about smartness. The presentation engaged the audience at the very beginning with a thought activity and prompted an enthusiastic discussion about why changes in views of smartness occur and questions about practical implications for shifting smartness away from a focus on grades earned and leaning into more focus on growth and learning.

The 2024 Dasher Award Committee received identified 5 finalists. We performed an additional review of all finalist papers and attended the finalists' presentations at FIE. Following the conference, the committee met to discuss the presentations and review results and selected the Dasher Award winner based on a combination of paper quality and presentation quality, with an emphasis on value to the audience. The winner will be announced at FIE 2025.

FIE – Helen Plants Award Committee: Todd Fernandez

- Due to a conference schedule mixup, it was not possible to fairly evaluate all special sessions at FIE 2023. Therefore, the award committee made the decision that no Helen Plants award would be given out that year. The award committee has worked with the Technical Program Committee to ensure better documentation and processes to prevent such an error in the future.
- The 2024 FIE conference had a total of 9 special sessions, all of which impressive in their quality and audience engagement.
- The committee selected a winner of the 2024 Helen Plants, which will remain secret until the award is announced at FIE 2025. Based on the quality of the special sessions last year, we also will be recognizing (but not giving an award to) the runner up.

- So far, the 2025 conference has preliminarily accepted 13 special sessions, which is the maximum that the conference schedule can accommodate
- If you are interested in helping evaluate special sessions at FIE 2025, please reach out to me (Todd Fernandez, Todd.Fernandez@bme.gatech.edu). Due to the number of special sessions it may be helpful to have a few extra people formally involved in the process at the conference.
- The committee has also been working to improve documentation, processes, and rubrics for future members of the Plants award committee to make the role easier for new members.

FIE – New Faculty Fellow Award Committee: Saira Anwar

Goal of the Award: The goal of the IEEE ASEE Frontiers in Education (FIE) New Faculty Fellows (NFF) award is to recognize early career engineering and computing education scholars for the potential of their contribution to the field.

2024 Snapshot: In 2024, The New Faculty Fellows Award recognized five individuals for the award of \$1000 each to assist the recipients in traveling and attending the conference. Also, the recipients received a certificate signed by the General Chair, Steering Committee Chair, and TPC Chair. The awards were announced in the award ceremony during the FIE 2024 in Washington, DC.

Award Committee Members for 2024 and 2025

- Dr. Saira Anwar (ERM) – Chair
- Dr. Rosa Maria Castro Fernandes Vasconcelos (IEEE Education Society)
- Dr. James Harland (IEEE Computer Society)

Number of Applicants: 32

Total Number of Awards: 5

Award Recipients Names (Institute at the time of application):

- Dr. Edwin Marte Zorrilla (University of Florida)
- Dr. Ibukin Osunbunmi (Penn State University)
- Dr. Siqing Wei (University of Cincinnati)
- Tim Ransom (Clemson University)
- Andrea Schuman (Virginia Tech)

Updates from 2024

We have revised one of the eligibility criteria to support early-career researchers better. The updated criterion is designed to include individuals who have previously

co-authored papers but have not yet presented their independent research. The revised eligibility statement now reads:

“Must not have attended or co-authored in any previous FIE conference (before 2025) as a postdoctoral researcher or early-career/junior faculty member (tenure track or non-tenure track).”

Process for 2025 Award

Following the paper acceptance cycle, the New Faculty Fellow Award selection process will proceed as follows:

- 1. Invitation to Apply**

Researchers who indicated interest by selecting the relevant checkbox during submission and all eligible first-time authors will be contacted and invited to apply for the New Faculty Fellow Award. The application deadline and detailed instructions will be emailed according to the published guidelines on the award website.

- 2. Review and Evaluation**

A three-member committee representing ERM, the IEEE Education Society, and the IEEE Computer Society will review all submitted applications. Evaluations will be based on a standardized rubric aligned with the published award criteria. Committee members must disclose any potential conflicts of interest and will recuse themselves from evaluating affected applications.

- 3. Selection**

The top five candidates will be selected based on cumulative scores. In a conflict or tie situation, the committee will re-evaluate the relevant applications and make a final decision through a vote.

- 4. Notification**

Selected award recipients will be notified by email.

- 5. Next Steps**

Award recipients will receive further information regarding their participation and required presence at FIE 2025.

Directors: Saira Anwar, Bryce Hughes, Rachel Kajfez, Jess Swenson

The Directors held three key strands of activity in 2024-25:

Reviewing Panels, Special Sessions, and Workshops: This year the directors were engaged in evaluating workshops and special sessions for ASEE 2025. Each director

was assigned to evaluate four workshop proposals and one special session. Individually, directors reviewed each submission and provided detailed written feedback on all five items. In addition, they identified and communicated their top two workshop choices based on relevance, quality, and potential impact. Following the individual review phase, a group meeting was held with all directors and the ERM Chair. During this meeting, we engaged in a collaborative discussion to assess the strengths and merits of each proposed workshop and special session. This exchange of diverse perspectives facilitated a consensus-driven decision-making process, resulting in the selection of two workshops and one special session to move forward. The summary of submissions and acceptances are:

- **Workshops:** 3 submitted; 2 accepted (1 withdrew); 1 rescoped from Workshop to Special Session.
- **Special Session:** 4 submitted; 4 accepted
- **Panel:** 1 submitted; 1 accepted

Appeals for ERM Draft Rejection Decisions: Additionally, we engaged in an appeals process for papers decisions for the conference. Authors who wanted to appeal a paper decision were required to document the reason for the appeal and outline how they would make changes to the submission. Three appeal requests were received, and the appeal decision was made by a director and the division chair collaboratively. In the end, two of the appeals were granted that required additional changes to the submission based on the reviewers' feedback along with comments from the director and division chair.

Community Check-Ins: Finally, the director hosted four community check-in sessions for ERM members over the last few months. These sessions were in addition to two hosted by the Vice Chairs for ASEE 2025 and one hosted by the division chair. They were well attended and allowed members to share their thoughts, concerns, and challenges during this time of change. These sessions also allowed for sharing institutional resources and responses to items such as grant cancelations. We hope members of the ERM community found support and information in these sessions.

Prepared by: Courtney Faber (University at Buffalo)

Reviewed by: Michelle Jarvie-Eggart (Michigan Technological University), So Yoon Yoon (University of Cincinnati)

Submitted by: Vice Chairs of FIE

General Information for FIE 2025

Location and Date: This year the conference will be held in-person from November 2-5 (Sunday to Wednesday) at the Embassy Suites by Hilton Nashville Downtown in Nashville, TN, USA.

Theme: The theme for the 2025 conference is Digital Riffs: Harmonizing Engineering and Computing Education for the Future. FIE 2025 continues its long tradition of disseminating research findings and innovative practices in engineering and computing education. It serves as an ideal forum for sharing ideas, learning about new developments in knowledge and practice, and interacting with colleagues from various fields worldwide.

Sponsors

- ASEE
- ASEE ERM
- IEEE
- IEEE Computer Society
- IEEE Education Society

Conference Chairs

- General Chair: P.K. Imbrie
- Technical Program Chair – ASEE ERM: Courtney Faber
- Finance Chair & Treasurer: Claudio Brito (IEEE Education Society)

Technical Program Committee (TPC)

Since January, the following Senior and Junior TPC members, along with General Chair P.K. Imbrie have been meeting every Monday at 2:00 pm EST for an hour. During these meetings, we (a) discuss conference abstracts, preliminary papers, and final paper submissions, (b) recruit and assign reviewers for the submitted abstracts and papers, (c) construct sessions for pre-conference workshops, special sessions, panels, and full and work-in-progress (WIP) papers, and (d) handle supplementary and complementary tasks to prepare the FIE 2025 conference.

Sr. Members:

- ASEE ERM Representative: Courtney Faber, University at Buffalo
- IEEE Computer Society Representative: Bowen Hui, University of British Columbia, Canada
- IEEE Education Society Representative: Melany M. Ciampi, COPEC - Science and Education Research Organization

Jr. Members:

- ASEE ERM Representative: Michelle Jarvie-Eggart, Michigan Technological University
- IEEE Computer Society Representative: Gloria Kim, University of Florida
- IEEE Education Society Representative: Claudio Brito, COPEC - Science and Education Research Organization

At the 2025 FIE conference Jr. Members will become Sr. Members, and we will need a new Jr. Member to represent ERM. ERM is seeking volunteers interested in serving in this two-year volunteer commitment.

ABSTRACT AND PAPER SUBMISSIONS

A total of 958 abstracts were submitted for the full and WIP paper tracks, 28 abstracts were rejected, and 669 papers were submitted, which represents 69.8% of the abstract submissions. Please refer to Table 1 below for the current status of the abstract and papers.

Table 1: Count of abstract and preliminary papers submissions and acceptances for FIE 2025.

Track	Abstracts Submitted	Abstracts Accepted	Preliminary Paper Submitted	Accepted	Minor or Major Revisions	Rejected (Abstract or Paper)	Withdrawn as of 6/17/25
Full Papers	547	366	360	289	70	21	160
WIP Papers	411	290	296	233	56	15	106
Subtotal	958	656	669	522	126	36	266

Table 2: Count of alternative session proposals and paper submissions.

Alternative Session Type	Proposals Submitted	Proposals Accepted	Withdrawn	Proposals Rejected	Papers Submitted*
Workshop	30	9	2	19	9
Special Session	36	13	6	17	13
Panel	13	2	4	7	2
Student Panel	7	1	3	3	1
Subtotal	86	25	15	46	24

*We expect the number of papers submitted to equal the number of alternative sessions. At the point of paper submissions, the alternative session has been accepted for presentation at the conference. The papers are reviewed to ensure they meet expectations.

- Some of the Alternative Session Proposals were not Alternative Session submissions and were paper submissions. These authors were given the option to move to a WIP or Full paper and reminded of the appropriate deadlines moving forward.
- Workshops will take place on Sunday before the conference.
- Special Sessions, Panels, and Student Panels will be held during the conference time. We will schedule Special Sessions back-to-back; they will not overlap in time. Panels and Student Panels may be scheduled simultaneously.

Table 3: Counts of Full/WIP abstract, preliminary paper submissions, acceptances, and conference registrants from past years.

Year	Abstracts Submitted	Abstracts Accepted	Papers Submitted	Papers Accepted	Final Papers	Conference Registrants
2025	958	930	669	656*	TBD	TBD
2024	934	928	689	637	619	741
2023	957		615		536	709
2022	700		415			
2021	649		485			

*This number includes accepted papers + papers that were given minor or major revisions. Revised papers are due on 6/23.

- This year, we have stayed in line with our target deadlines for submissions and responses. We appreciate the effort of our reviewers, our junior and senior TPC members, and Kaylee Manning from Conference Catalyst for making it possible to get responses back to authors about their papers in a timely manner.
- The deadlines for paper submissions and decisions were earlier this year compared to last year to make it possible to share the conference schedule earlier this year. These earlier deadlines, combined with a later conference, should help significantly.
- Revised paper submissions are currently being reviewed by reviewers (major revision papers) and TPC members (minor revision papers). Final acceptances will be sent out July 18. All camera-ready papers will be due July 28.
- Special Session, Panel, and Pre-Conference Workshop Paper revisions are due July 7. All camera-ready papers are due July 28.

Table 4: Distribution of authors by region as of June 2025

Region	All Authors	
	n	%
United States	1917	74
Latin America	219	8.5
Europe	272	10.5
Asia/Pacific	145	5.6
Middle East and Africa	23	0.9
Canada	15	0.6
Total	2,591	100

Financials

- **FIE 2023:** \$128,946.24 surplus.
- **FIE 2024:** \$73,511.37 surplus.
- **FIE 2025:** To be announced after the conference.

**** See the Treasurer's report for information about the amount transferred to ERM.**

Updates for 2025

- Introduced a structured abstract format for abstract submissions. We had low uptake of this structure. We did not penalize authors who submitted an abstract that was not in a structured format. We have added a template to the website that will be available next year. The structured abstract helped significantly with the abstract screening process.
- We updated the language for Innovative Practice and Research-to-Practice papers to differentiate between these two categories more clearly.
- We revised the rubrics for alternative sessions. The junior TPC members completed these reviews.

- We updated the rubrics for papers to ensure alignment with the tracks and categories. We also streamlined them to help with the EDAS side of things, so we can more easily obtain the data we need from EDAS.
- TPC members handled the screening of abstracts. We focused on ensuring fit with the conference and provided feedback based on the expectations for papers in the track/category. We made this decision to minimize review fatigue, stay on time with feedback to authors, and support the paper review process.
- We have invited and had award committee members join one of our weekly meetings to ensure that we (the TPC) support these committees and get them the materials they need.
- We are in the process of writing a Reviewer Ethics document to clarify expectations regarding the use of AI in reviews.

Future FIE Conferences

- FIE 2026 is international in Cyprus
- Seeking proposals to host future conferences, including FIE 2027 and beyond.