

Fall 2020 Newsletter

Welcome to the Fall 2020 issue of the newsletter for the Engineering Economy Division (EED) of the American Society for Engineering Education (ASEE).

In this issue, you will find information about the 2021 ASEE Annual Conference, our call for papers and special sessions, a recap of our 2020 Annual Conference activities, and information about how to become involved in our division.

If you have any questions, comments, or items for the Spring 2021 Newsletter, please feel free to contact our editor, Mike O'Connor at mbo266@nyu.edu.

In This Issue

- 2020 Conference Recap and Announcements.
- Information for the upcoming 2021 ASEE Annual Conference & Exposition to be held in Long Beach, California on June 27-30, 2021.
- Call for Papers for the EED. Abstracts must be submitted electronically through the ASEE paper submission system by the deadline of October 12, 2020.
- Meeting Minutes from the Engineering Economy Division 2020 Annual Business Meeting.

A Message from the Chair

The Engineering Economy Division (EED) welcomes you to join us at the **2021 ASEE Annual Conference in Long Beach, California!** Our membership numbers have grown over the past year, but we also want to ensure our members are *engaged* with the division. To that end, we are offering **special sessions** at the conference to make it easy for you to present and awards and sponsorships to support your conference travel.

*New *special sessions* ask you to share what you're already doing in your own class— in a 3 to 5 page paper. That's it! Write it up, come share it at a special session, and your paper is published in the proceedings. See the call for papers in this newsletter for details.

*We offer a Best Paper Award (\$1000), multiple New Engineering Economy Educator Awards (\$1000, for those teaching <6 yrs for 2021), and abundant new Travel Sponsorships of \$500. Submit an abstract by October 12 to be eligible.

We want you to participate at ASEE 2021 in Long Beach! Please plan to submit an abstract, present at the conference, and invite a colleague to join as well!

Officers

Past Chair

Kellie Grasman
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Chair

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Visit us online!

<https://sites.asee.org/eed/>
Conference Paper Archive
<https://sites.asee.org/eed/paper>

Conference and Business Meeting Highlights

- Although the conference was virtual there was a similar number of attendees as the 2019 conference.
- 2020 – 3,263 registered attendees
- 2020 – 1762 paper published (+8 from 2019)
- 2020 – 1423 unique authors (+19 from 2019)
- There were 17 abstracts submitted and 11 papers approved for the special sessions.
- The conversion of abstracts to paper for the 2020 conference for the EED division was low. However, we postponed the two special sessions which had 11 submissions in total due to the online nature of the 2020 conference.
- JEE and AEE are publishing special editions regarding the effects of COVID-19.

ASEE General Updates from the PIC Chair

- Christi Luks reminded the group of the ASEE Code of Conduct which applied to online activity. “Kindness is the word of the day”
- The reorganization of the PICS has been confirmed. On Sunday 6/28/20 all PICs will be resolved. On Monday 6/29/20 new PICs will be formed. The EED will be in PIC II.
- Membership: Overall membership is down. Institutional membership is a concern.

EED Updates from the Division Chair (Kelly Grasman)

Financial Status: Expecting a loss of \$267K for the FY 2020 budget. This is primary due to the \$733K shortfall from the annual conference. ASEE did receive a \$1.1M PPP loan that may be forgiven in July. This is not official as of 6/24/20. The loan was used to pay staff and rental fees of headquarters. No staff have been furloughed as of 6/24/20.

EED Updates from the Program Chair (Jim Burns)

Motion to expand the new educator award to 6 years from 5 years as a onetime opportunity for 2021 since it was not awarded in 2020 was approved.

EED Updates from the Treasurer (Ona Egbue)

A summary of the main accounts was presented

Awards & Recognition

- 2020 Best Paper Award: Bradley Schmid, “Development of an Open Textbook for Engineering Economics”
- 2020 Eugene L. Grant Award: The Socioeconomic Feasibility of Greening Rail Stations: A Case Study in Lisbon, *The Engineering Economist*, volume 64, number 2, pages 167-190, by Cristina Matos Silva, Joana Serro, Patricia Dinis Ferreira, and Ines Teotonio.
- 2020 National Engineering Economy Teaching Excellence Award: Billy Gray presented an update. The award recognizes an individual who has demonstrated classroom teaching excellence and teaching scholarship in engineering economy. The award is presented biennially at the ASEE Awards Banquet held during the Annual Conference. The winner this year was Dr. Wolter Fabrycky

Visit us online to view past award recipients and learn about our upcoming awards.

The Engineering Economist

- Original manuscript submissions show an increasing trend with some variability. The Engineering Economist (TEE) has a 18.3% acceptance rate over the past 12 months as of mid-June 2020. Many of the rejections are desk rejections due to lack of fit.
- The special issue of TEE for Engineering Economy Education will be released in Fall 2020. The special edition was edited by Joe Wilck.
- Sara Ryan's term as editor ends in December of this year and we thank her for her service.
- The TEE has issued a call for nominations for the editorial board

ASEE Annual Conference & Exposition

June 27-30, 2021

Long Beach, California

Abstract, Special Session, and Workshop submission are now open!

The only conference dedicated to all disciplines of engineering education...

We are committed to fostering the exchange of ideas, enhancing teaching methods and curriculum, and providing prime networking opportunities for engineering and technology education stakeholders such as: deans, faculty members, and industry and government representatives.

The conference features more than 400 technical sessions, with peer-reviewed papers spanning all disciplines of engineering education.

[Schedule at a Glance](#)

- The 2021 call for papers can be found [here](#).
- There are 3 open calls for the EED:
 - Traditional Technical Session
 - Special Session 1: Course Strategy Session for Engineering Economy Instruction
 - Special Session 2: Curriculum Elements for Innovative Teaching
 - Abstract Submission Due: October 12, 2020
- Special Note: For US institutions the ASEE conference is *international* be sure if you plan to travel on an award or grant it allows for *international travel*. Some are limited to domestic travel only.

Call for Papers- ASEE Engineering Economy Division (EED)

The Engineering Economy Division (EED) of ASEE seeks papers for presentation at the 2021 ASEE Annual Conference and Exposition being held in Long Beach, California, June 27-30, 2021.

We seek relevant abstract submissions for research-based full and work-in-progress papers for our traditional **Technical Sessions** covering a broad spectrum of engineering economy topics including, but not limited to:

Economic analysis across engineering disciplines	Innovative teaching methods for engineering economy
Integrating engineering economy research into the classroom	Case studies for the classroom
International aspects of engineering economy education	Course adaptations due to the COVID-19 pandemic
Diversity, equity, and inclusion in engineering economy education	

We also seek submissions for two **Special Sessions** designed to uncover and explore the state-of-the-art of engineering economy education by bringing together new and seasoned engineering economy educators in an engaging, low-risk, high-reward way:

Course Strategies for Engineering Economy Instruction

Interactive, panel-type session addressing effective strategies for teaching engineering economy. From large lecture halls, to online courses, to smaller traditional classrooms, the panel will use submitted papers to frame the discussion and draw insights about what really works in engineering economy education. This session is perfect for new educators, those just beginning to teach EE, anyone considering redesigning or updating their course, and experienced educators who have their course strategy for engineering economy down to a science.

Abstract format: Submit an abstract with the title "Course Strategy" followed by a descriptor (e.g., *Course Strategy: Managing High-Enrollment Online Courses*) and a bulleted outline of the elements requested in for the paper itself (see below). The abstract should be approximately 1 page.

Paper format: Submit a paper (3-5 page recommended) addressing the following elements: Instructional Environment (department, student audience, school size, etc.), Delivery Method (lecture, hybrid, online, etc.), Approach to Instruction and Technology (spreadsheets, case studies, tables/equations/calculators, etc.), Topics Covered, Assessment (grade elements, paper/online/mixed), Rationale for the approach, and Lessons Learned.

Conference Session format: Panel discussion with a dynamic, expert moderator. Contributed papers will drive the discussion topics and authors will have the opportunity to highlight key points and rationale behind their strategy. Paper contributors may be invited to be a member of the panel, and all in attendance will be included in the conversation.

Curriculum Elements for Innovative Teaching

Do you have a curriculum element that you want to share?

*Include real-world scenarios in a case study?
Use technology to improve group projects conducted remotely?
Use online assessment for quizzes and tests?
Have a technique for teaching financial risk using simulation?*

This session will feature a collection of the very best in innovative teaching in engineering economy. You will have the opportunity to share your technique with everyone and then dive deeper with those who are most interested in learning more. This session is perfect for anyone interested learning new techniques or sharing a proven teaching tool with others. We welcome abstracts and papers on curriculum elements introduced due to the COVID-19 pandemic.

Abstract format: Submit an abstract with the title "Curriculum Element" followed by a descriptor (e.g., *Curriculum Element: Crafting Meaningful Case Studies from Current Events*) and a bulleted outline of the elements requested in for the paper itself (see below). The abstract should be approximately 1 page.

Paper format: Submit a paper (3-5 page recommended) addressing the following elements: Objectives, Content, Delivery, and Assessment. Include the complete curriculum element where relevant to help others emulate or adopt your technique.

Conference Session format: Rapid fire presentations (3-5 minutes) by all authors, then rotating breakout sessions to discuss detail of curriculum elements. Your curriculum element and supporting materials will also be featured on the division's website for maximum impact.

Authors of accepted abstracts will be invited to submit papers for peer review and inclusion in the conference proceedings. All accepted papers are eligible for the **EED Best Paper Award**. We encourage submissions from new educators who are eligible for our **\$1,000 New Engineering Economy Educator Award¹**. In addition, authors submitting to the special sessions may be eligible for a **\$500 Travel Sponsorship²** to help defray the cost of attending the conference.

If you have questions or would like additional information, contact the engineering economy Division Program Chair, Ona Egbue at egbueo@uscupstate.edu or Division Chair, Jim Burns at j.burns@wmich.edu, or visit us on the web (<https://sites.asee.org/eed/>).

Submission details, paper management information, and author's kit can be found at the links below.

Conference Website: <https://www.asee.org/annual-conference/2021>
Paper Management: <https://www.asee.org/annual-conference/2021/paper-management/for-authors>
Author's Kit: <https://www.asee.org/documents/conferences/annual/2021/2021-Authors-Kit.pdf>

Important Dates³

Abstract Submission Opens	September 8, 2020	Revised Draft Paper Submission:	March 22, 2021
Abstract Submission Deadline	October 12, 2020	Accept/Reject Final Notification:	March 29, 2021
Accept/Reject Abstract Notification:	November 2, 2020	Author Registration:	April 12, 2021
Draft Paper Submission:	February 8, 2021	Final Paper Submission:	April 26, 2021
Draft Revision Notification:	March 8, 2021		

¹ Eligibility includes students, instructors, or faculty teaching engineering economy less than 6 years. ² A limited number of awards are available.

³ As of 8/13/2020. Dates are subject to change.

2020 Business Meeting Minutes

**ASEE Engineering Economy Division Business Meeting Minutes:
June 23, 2020 Online as part of the ASEE Annual Conference and Exposition
Minutes Prepared by Katie Basinger (katie.basinger@ufl.edu)**

1. Welcome and Call to Order

The meeting was called to order by Division Chair Kellie Grasman ---- at 3:33pm EDT.

2. Approval of minutes from 2019

Minutes from 2019 meeting were voted via Zoom poll and majority approved.

3. Attendance

Attendance was collected from the participant list in Zoom.

The following people were present:

Billy Gray	Tarleton State University
Ona Egbue	University of South Carolina Upstate
Kellie Grasman	Missouri S&T
Tish Pohl	University of Arkansas
Jim Burns	Western Michigan University
Karen Bursic	University of Pittsburgh
Kim Needy	University of Arkansas
Sarah Ryan	Iowa State University
Aimee Ulstad	Ohio State University
Paul Lynch	Penn State – Erie
Katie Basinger	University of Florida
Mike OConnor	New York University
Christy Lucs	ASEE / Missouri S&T
Dr. F. Jefferson	
Eric Specking	University of Arkansas
Erick Jones	University of Texas - Arlington
Jane Fraser	CSU – Pueblo, Retired
Joe Wilck	College of William and Mary
Lee Blank	Texas A&M University
Neil Lewis	University of Bridgeport
Paulina Sidwell	McLennan Community College
Raymond Smith	East Carolina University
Ted Eschenbach	TGE Consulting

5. Division Chair's Report

Kellie thanked the division's officers for their service this year.

Membership in EED increased significantly from 167 in 2018 to 230 in 2020. Kellie presented summary data and graphics for the division's total membership from 2015 to 2020 that showed a comparison to PIC I membership and ASEE overall membership.

There were 17 abstracts submitted and 11 papers approved for the special sessions. However, special sessions were postponed for the 2021 meeting due to the online nature of the 2020 meeting.

4. PIC I update:

Outgoing PIC I Chair - Christi Luks

Incoming PIC II Chair – Chell Roberts

Christi reminded the group of the ASEE Code of Conduct which applied to online activity. "Kindness is the word of the day"

Although the conference was virtual there is a similar number of attendees as the 2019 conference.

- 2020 – 3,263 registered attendees
- 2020 – 1762 paper published (+8 from 2019)
- 2020 – 1423 unique authors (+19 from 2019)

The reorganization of the PICS has been confirmed. On Sunday 6/28/20 all PICs will be resolved. On Monday 6/29/20 new PICs will be formed. The EED will be in PIC II shown in figure 1 below. Christy indicated the PICs were organized by similar interests, memberships, and financial situations.

PIC II, – Chell Roberts (3 years)		Current	New
Educational Research and Methods Division		IV	II
Engineering Economy Division		I	II
Engineering Management Division		I	II
Faculty Development Constituent Committee Division		IV	II
Graduate Studies Division		IV	II
Industrial Engineering Division		I	II
Manufacturing Division		I	II
New Engineering Educators Division		IV	II
Student Division		IV	II
Systems Engineering Division		II	II

Figure 1. New PIC II divisions and PIC II chair Chell Roberts.

Membership: Overall membership is down. Institutional membership is a concern.
As of Q2:

- Institutional (Academic): -0.7%
- Institutional (Non-Academic): -4.08%
- Individual: -3%

Financial Status: Expecting a loss of \$267K for the FY 2020 budget. This is primary due to the \$733K shortfall from the annual conference. ASEE did receive a \$1.1M PPP loan that may be forgiven in July. This is not official as of 6/24/20. The loan was used to pay staff and rental fees of headquarters. No staff have been furloughed as of 6/24/20.

Bylaws: There are two new changes to the bylaw policies.

1. All division must include a diversity and inclusion statement. The EED division already as one.
 - a. *Article X: The Engineering Economy Division is also committed to promoting the inclusion and education of diverse individuals and embracing diverse ideas in the professions of engineering and engineering technology. The Engineering Economy Division recognizes that diversity is strength in creativity, broadness of new ideas, and embracing new perspectives to arrive at the most truly innovative, resource-smart solutions possible.*
2. All divisions must revisit and review the bylaws every 5 years. The EED bylaws were last updated in 2019.

BASS Accounts: Divisions should formulate a plan for spending excess funds in BASS accounts to support their members. ASEE Charges a 30% fee on gross receipts (dues, contributions, general sponsorships outside of annual conference) and on net receipts (revenue less expense) for annual conference activity. Interest and ASEE allocations / PIC allocations are not included in gross receipts.

Special Announcements:

- In July 2021 ASEE will transition to a new conference/paper management system. Therefore, the 2022 annual conference will be the first meeting to use the platform. It is intended to be more compatible with mobile devices.
- JEE and AEE are publishing special editions regarding the effects of COVID-19.
- The conversion of abstracts to paper for the 2020 conference for the EED division was low. However, we postponed the two special sessions which had 11 submissions in total.
- PIC Awards:
 - PIC I: “Hands-On Cybersecurity Curriculum using a Modular Training Kit,” by Asmit De, Mohammad Nasim Imtiaz Khan, Karthikeyan Nagarajan, Abdullah Ash Saki, Mahabubul Alam, Taylor

Steven Wood, Matthew Johnson, Manoj Varma Saripalli, Yu Xia, Stephanie Cutler, Swaroop Ghosh, Kathleen M. Hill and Annmarie Ward

- PIC II: “Developing a Multi-Campus Model for REU Sites,” by Pamela McLeod, Junko Munakata Marr and Richard Luthy
- PIC III & BEST Overall: “Do Open-Ended Design Projects Motivate First-Year Engineering Students?,” by Chao Wang
- PIC IV: “Student Perceptions of an Ethics Intervention: Exploration Across Three Course Types,” by Madeline Polmear, Angela Bielefeldt, Nathan Canney, Chris Swan and Daniel Knight
- PIC V: “Reimagining Engineering Education: Does Industry 4.0 Need Education 4.0?,” by Shuvra Das, Darrell Kleinke and David Pistrui

6. Program Chair’s Report

Jim Burns

2020 Conference EED Updates:

- 17 submitted abstracts
- 14 withdrawn
- 1 transferred
- Special Session
 - 6 – Course Strategy
 - Strategies for various course formats (e.g., online, hybrid, traditional small classrooms).
 - 3 - Curriculum Elements
 - Small teaching elements that work well.
 - 2021 – Travel sponsorships intended for special sessions will roll to 2021.
- 2 papers in 1 technical session
- Best Paper: Bradley Schmid, “Development of an Open Textbook for Engineering Economics”
- Abstracts were submitted by new educators, but no New Engineering Economy Educator Sponsorship awarded in 2020 due to low paper count.
- Motion to expand the new educator award to 6 years from 5 years as a onetime opportunity for 2021 since it was not awarded in 2020.
 - 2 awards
 - \$1000
 - Zoom Poll for voting:
 - Majority voted yes (11/19)
- Discussion about award accounts:
 - Award accounts – award money comes out of the BASS account and usually is then reconciled with the actual award accounts.
 - Ted - 122 – funded by Don Newnan (best paper from EED).
 - Grant account – current managed by the editor of The Engineering Economist.

- NEETEA – awarded this year \$10,000 plus \$1,000 for travel to conference National Engineering Teaching Excellence Award
 - Ted suggests the \$1,000 travel award be given in 21 to the 20 winner
 - Need to take recommendation to Sylvia

7. Treasurer’s Report

Ona Egbue

- Summary of main accounts was presented (222 BASS, 322 Oper., 422 Loc., 122 Best Paper, 115 NEETEA.
- Notice: Operating (322) and BASS (222) account were merged.
- Financials were received in a timely manner this year.

Table 1 includes an update on five accounts. Three accounts managed by the Treasurer in conjunction with ASEE Headquarters include the **BASS (Bank and Accounting Services System) Account**, the **Operating Account**, the **Conference Best Paper Award Account**. Two external accounts are the **Grant Award Account** and the **National Engineering Economy Teaching Excellence Award Account**, which are external accounts. The Grant Award Account is overseen by the Editor of The Engineering Economist and is the journal’s annual best paper award; it is currently not managed by ASEE.

	222 BASS	322 Oper.	422 Loc.	122 Best Paper	115 NEETEA
Summary 9/30/2018	\$13,408	\$113	\$33,044	-	-
Summary 9/30/2019	\$11,618	\$0	\$33,858	\$137,417	\$391,173
				6/11/2019	
Summary 6/16/2020	\$12,318	\$0	\$33,858	\$126,582	\$362,518

Table 1: EED Accounts Summary

Please contact Ona Egbue (egbueo@uscupstate.edu) with any questions.

- Updated on the Grant Award (422) are send to the Editor of the Engineering Economist.

8. Newsletter Editor’s Report

Katie Basinger

- Newsletter was distributed in October 15 2019

- Spring/Summer newsletter is late but presents an opportunity to promote a wrap up from the conference
- Meeting minutes will continue to be published in the fall edition of the newsletter, which is anticipated in mid-September 2020.
- The division's website (<https://sites.asee.org/eed/>) continued to be updated throughout the year and is serving as a repository for past newsletters and a place where ASEE members can access information about the division. The Secretary/Newsletter Editor position will continue to have responsibility for maintaining the division website.

9. Division Leadership and Volunteers

Officers for 2020-2021 were announced and a call for nominations for a new
It was discussed if we should keep the officer positions due to the unique situation. Kellie Grasman nominated Michael O'Connor. Zoom pool was administered and 17/20 participants voted in favor of Mike for the role of Secretary/EED Newsletter Editor to commence 2020-2021.

The division leadership and volunteers for the prior and new year are:

Division Officers (2019 – 2020):	Division Officers (2020 – 2021):
Immediate Past Chair: Billy Gray	Immediate Past Chair: Kellie Grasman
Division Chair: Kellie Grasman	Division Chair: Jim Burns
Program Chair: Jim Burns	Program Chair: Ona Egbue
Treasurer: Ona Egbue	Treasurer: Katie Basinger
Secretary: Katie Basinger	Secretary: Michael O'Connor

Erick Jones – Representative on the Commission on the Diversity, Equity and Inclusion

- Changed from “committee” to “commission”
- Created a joint statement with SEFI (European society on DEI)
- Created constituent award – NEW ASEE award beginning in 2021
 - <https://diversity.asee.org/deicommittee/asee-constituent-equity-and-inclusion-award/>
- 18 nomination for the DEI paper
 - <https://diversity.asee.org/deicommittee/awards/>
- Started talking with SWE, NSBE, SHIP, engineers show up
- You do not have to be a delegate to participate in the meetings
 - Visit <https://diversity.asee.org/> to get involved
 - Webinars and Workshops
 - <https://diversity.asee.org/deicommittee/2020/06/09/cdei-leaderships-call-to-asee-members-to-join-the-work-of-disrupting-racism/>
- Conference activities for registered attendees
- Erick will remain the representative

Kellie Grasman – Representative on the Board of Directors Committee on P12

- Intent is to incorporate P12 activity into the conference and pilot national projects
 - <https://sites.asee.org/p-12committee/>
- Kellie will remain the representative.

10. Committee Report: National Engineering Economy Teaching Excellence Award

Billy Gray presented an update on the National Engineering Economy Teaching Excellence Award (NEETEA). The award recognizes an individual who has demonstrated classroom teaching excellence and teaching scholarship in engineering economy. The award is presented biennially at the ASEE Awards Banquet held during the Annual Conference.

- Winner: Dr. Wolter Fabrycky

2021 NEETEA Committee Members include:

- Jim Burns (Officer Representative, 2022 Committee Chair)
- Katie Basinger (Officer Representative, 2024 Committee Chair)
- Bill Sullivan (previous winner, term ends 2022)]
- Wolter Fabrycky (previous winner, term end 2024)
- Ed Pohl (Non-division member, term ends 2022)

11. Committee Report: Eugene L. Grant Award Winner for The Engineering Economist

The recipients of the Eugene L. Grant Award for 2019:

- The Socioeconomic Feasibility of Greening Rail Stations: A Case Study in Lisbon, *The Engineering Economist*, volume 64, number 2, pages 167-190, by **Cristina Matos Silva, Joana Serro, Patricia Dinis Ferreira, and Ines Teotonio.**

Election of new committee members for the Grant Award Committee ensued. Eugene L. Grant Award committee members serve 3-year terms. The term periods provided here correspond to Issue Year of The Engineering Economist (e.g., 2020 committee members will begin the evaluation of 2020 papers in early 2021).

- Mike O'Connor will replace of Janis Terpenney. Janis served an extra year from her previous commitment but has changed positions.
- Gene Dixon came out early last year. John white took his seat fo 19-20. Joe Wilck will replace John White for (20-23)
- Ted Eschenbach will continue.
- Erick Jones will continue.

Members of the 2020 Eugene L. Grant Award Committee (Volume Committee Cycles):

Joel Wilck	(20-23)
Ted Eschenbach	(20-23)
Erick Jones	(20-23)

Hamid Parsei	(19-22)	
Christy Bozic	(19-22)	
Michael O'Connor	(19-22)	
Kate Abel	(18-20)	[Chair]
Kellie Grasman	(18-20)	
Billy Gray	(18-20)	

The 2020 Eugene L. Grant Award will be paid out of the BASS account.

12. Committee Report: The Engineering Economist

Sara Ryan presented the report for The Engineering Economist. Original manuscript submissions show an increasing trend with some variability. The Engineering Economist has a 18.3% acceptance rate over the past 12 months as of mid-June 2020. She noted that many of the rejections are desk rejections due to lack of fit.

The special issue of TEE for Engineering Economy Education will be released in Fall 2020. The special edition was edited by Joe Wilck. To revitalize this area, more submissions are still needed.

Sarah discussed statistics from publisher's annual meeting showing trends in number of full paper downloads, manuscript acceptance rate and impact factor. Sarah discussed the impact factor trend. The algorithm used to compute the impact factor was incorrect. It was updated in 2018 which accounted for more accurate impact factor.

There was another special issue – Nonconvex Portfolio Optimization which got a good number of downloads.

Sarah's editor and chief role will end Dec 2020. Need EE rep.

The ASEE representatives for The Engineering Economist editorial board are:

Jerome Lavelle	(Jan. 2017 – Dec. 2021)
Billy Gray	(Jan. 2021 – Dec. 2023)
Christy Boizic	(Jan. 2020– Dec. 2022)

The Engineering Economist editorial board nomination/election:

Billy Gray term ending in Dec. 2020. Call for nominations.

The Board members are used for ad hoc committee if there are ethical issues or other serious issues that arise. Billy to extend in his role. Jan 2021 – Dec 2023

14. Adjournment

The meeting was adjourned by Kellie Grasman.