



Welcome to the Fall 2017 issue of the newsletter for the Engineering Economy Division (EED) of the American Society for Engineering Education.

In this issue, you will find information about the 2018 ASEE Annual Conference, our call for papers, a recap of our 2017 Annual Conference activities, and information about how to become involved in our division.

If you have any questions, comments, or items for the Spring 2017 Newsletter, contact our editor, Jim Burns at burns128@purdue.edu.

In This Issue

- Conference recap.
- Information for the upcoming 2018 ASEE Annual Conference & Exposition to be held in Salt Lake City, UT on June 26-29, 2018.
- Call for Papers for the EED.
- Meeting Minutes from the Engineering Economy Division 2017 Annual Business Meeting.

A Message from the Chair

The Engineering Economy Division (EED) of ASEE is a small, vibrant group of individuals committed to research and effective teaching of engineering economy. One of the challenges our group faces in being small is that one criterion ASEE uses to define critical mass for a division is the number of members. For 2017-18, our goal is to get our membership back up over ASEE's threshold for division membership by encouraging others we know to join our division. Annual membership dues for the EED are only \$2.00, and these dues help support conference travel grants, best paper awards, and awards for papers presented in The Engineering Economist. For our members, we remind you to renew your division membership as you renew your ASEE membership, and also to encourage colleagues who may not be members to join. For potential members, we ask you to consider joining the EED and participating in all that we have to offer. We look forward to seeing you in Salt Lake City in 2018!

Visit us online!

<https://sites.asee.org/eed/>

Conference Paper Archive:

<https://sites.asee.org/eed/paper>

2017-2018 Officers

Chair

Aimee Ulstad
The Ohio State University
ulstad.2@osu.edu

Program Chair

Billy Gray
Tarleton State University
bgray@tarleton.edu

Treasurer/Secretary

Kellie Grasman
Missouri University of Science & Technology
kgrasman@mst.edu

Newsletter Editor & Webmaster

Jim Burns
Purdue Polytechnic Institute
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Engineering Economy Division

Fall 2017 Newsletter

Conference Recap & Announcements

Conference Highlights

- 10 Papers in 2 technical sessions.
- Congratulations to Ted Eschenbach on being designated as an ASEE Fellow!

Awards & Recognition

- 2017 Best Paper Award:
"Work In Progress – An Engineering Economy Concept Inventory" Karen M. Bursic,
(University of Pittsburgh)
- 2017 New Engineering Economy Educator:
Jim Burns (Purdue Polytechnic Institute)
- Call for Nominations: [National Engineering Economy Teaching Excellence Award](#).
Awarded every other year. Nominations open in November 2017.
- Visit us online to view past award recipients and learn about our upcoming awards.
<https://sites.asee.org/eed/awards/>

Become a member of the EED when renewing your ASEE membership to receive updates and information for becoming involved in the division. And join us at our division's social highpoint of the year, the annual **Engineering Economy Division Awards Banquet!**

(Held jointly with Engineering Management, Industrial Engineering, and the Systems Engineering Divisions)

Be on the lookout for the Spring Edition of the EED Newsletter, where we will detail all of the Engineering Economy Technical Sessions.

We look forward to seeing you in Salt Lake City!

ASEE Annual Conference & Exposition
June 24 - 27, 2018
Salt Lake City, UT

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.

New This Year!

More Technical Sessions

Due to popular demand, ASEE has added **NEW TECHNICAL SESSION TIMESLOTS** starting on Sunday at 1:00 pm.

There are now 13 technical session timeslots total!

Optional Exclusive Business Meeting Timeslots

For those divisions that would like an exclusive Business Meeting timeslot, TWO optional 1 hour block has been created on Tuesday, June 27th from 7:00 am to 8:00 am and 5:00 pm to 6:00 pm. Be advised that program chairs are not required to use one of these timeslots. You can use any business meeting/technical session timeslot during the conference

Annual Conference Workshops

The Workshops have a new date and time: Sunday, June 24 from 9:00 am to Noon

Applications for Workshops open on September 5th and close October 30th

International Forum

The International Forum sessions have been incorporated into the Main Conference.

2018 Call for Papers

Engineering Economy Division

The **Engineering Economy Division (EED)** of ASEE seeks papers for presentation at the ASEE Annual Conference and Exposition being held in Salt Lake City, Utah, June 24-27, 2018. Relevant submissions are welcome from all engineering disciplines. Topics of interest include, but are not limited to, economic analysis across engineering disciplines; innovative teaching methods for engineering economy; case studies for the classroom; integrating engineering economy research into the classroom; teaching engineering economy to diverse populations of students; and international aspects of engineering economy education.

Abstract submission details (including the Author's Kit with deadlines and instructions) can be found on ASEE's conference website at:

Paper Management:

<https://www.asee.org/conferences-and-events/conferences/annual-conference/2018/papers-management/for-authors>

Author Kit:

<https://www.asee.org/documents/conferences/annual/2018/2018-Authors-Kit.pdf>

Authors of accepted abstracts will be invited to submit full length papers for **peer review** and inclusion in the conference proceedings, and all accepted papers will be considered for the division's **\$1000 Best Paper award**.

In addition, we especially welcome submissions from new engineering economy educators (students and/or faculty teaching engineering economy less than 5 years) and if accepted, these authors will be eligible for up to a **\$1000 conference sponsorship** to cover expenses of attending and presenting at the annual conference.

For more information, please contact the Engineering Economy Division program chair, Billy Gray at bgray@tarleton.edu.

Important Dates*

Abstract Submission Opens	September 4, 2017
Abstract Submission Deadline	October 16, 2017
Accept/Reject Abstract Notification:	November 6, 2017
Draft Paper Submission:	February 5, 2018
Draft Revision Notification:	March 5, 2018
Revised Draft Paper Submission:	March 19, 2018
Accept/Reject Final Notification:	March 26, 2018
Author Registration:	April 9, 2018
Final Paper Submission:	April 30, 2018

* As of 9/4/2017. Dates are subject to change.

2017 Business Meeting Minutes

**ASEE Engineering Economy Division Business Meeting Minutes:
June 26, 2017; Columbus, OH; as part of the ASEE Annual Conference and Exposition
Minutes Prepared by Kellie Grasman.**

1. Welcome and Call to Order

The meeting was called to order by Division Chair Joe Wilck at 1:30 PM (EST).

2. Attendance

The following people were present:

Jim Burns	Purdue Polytechnic
Karen Bursic	University of Pittsburgh
Gene Dixon	East Carolina University
Ted Eschenbach	TGE Consulting
Jane Fraser	Colorado State U - Pueblo
Kellie Grasman	Missouri S&T
Billy Gray	Tarleton State University
Jerome Lavelle	North Carolina State University
Robert Lundquist	Ohio State
Paul Lynch	Penn State – Erie
Agnieszka Miguel	Seattle University
Kim Needy	University of Arkansas
Gillian Nicholls	S.E. MO State Univ.
Jessica Oswalt	Tennessee Tech
Tish Pohl	University of Arkansas
Aimee Ulstad	Ohio State University
Joe Wilck	College of William and Mary

3. Approval of minutes from 2016

Minutes from 2016 meeting were unanimously approved. Beginning with the 2017 meeting, division minutes will no longer be published in the Engineering Economist journal. Minutes will continue to be shared via division newsletter in the fall and will be posted to the division website.

4. Division Chair's Report

Joe Wilck offered a thank you to all officers who served with him this year.

Summary of ongoing efforts:

-Erick Jones remains our representative to ASEE's Diversity Committee. No new updates were shared from Erick.

-The New Engineering Economy Educator award was granted to Jim Burns from Purdue Polytechnic, and award will continue to be granted in future years to qualified educators submitting papers.

-The National Engineering Economy Teaching Award, awarded only in even years, will be awarded next year.

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Membership is down, and we are below the threshold of 125 members required to sustain a division. There is a procedure at ASEE level defining the criteria to maintain a division, and we meet all except the minimum membership count. Our numbers have been below 125 since 2015, and it is possible ASEE may send a formal written notice indicating we do not meet the division criteria. All division members are encouraged to invite ASEE members to join the division. When registering, check the box for Engineering Economy (\$2 fee added to membership)!

5. PIC 1 Update

Agnieszka Miguel joined the division meeting to share info from ASEE. She attended the ASEE board meeting and reported out on new news. Membership has expressed frustration with organization's management of finances, but has noted improvement in the past year. ASEE is considering the establishment of an endowment fund, and also considering the purchase of their own building as opposed to renting current faculty in DC. Jessalyn Vermilion is the new accountant working with divisions. She encouraged divisions to meet with her by appointment to discuss accounts. A committee is working on plans for 125th anniversary celebration.

A long range planning committee is looking into the strategic plan and overall mission of ASEE. They are discussing reorganization of the board, and considering moving PIC chairs and zone chairs off of board and into separate board of delegates. Concerns about the ability of PIC chairs to communicate effectively to the board if they are removed from direct board. This proposed change will be put out to all members for comment. Agnieszka shared that PIC chairs are concerned that removing chairs from the board will reduce continuity and knowledge base. She also shared a concern of PIC chairs that ASEE leadership may not have adequate experience and knowledge with the organization before being elected to senior roles (ie. ASEE President).

Our Engineering Economy division discussed these concerns, both with Agnieszka and after she left the meeting. A variety of perspectives were shared by the division membership. Kim Needy explained that ASEE wants deans or those in higher administrative positions to be president of ASEE. Jessica Oswald was not concerned about presidents having limited experience with ASEE, as the current administration is strong. As a whole, our division did feel that removing PIC chairs from the ASEE board could diminish our voice to the administration.

Specifically, the division expressed concern that removing PIC chairs and zone chairs off of the ASEE board would dilute our division voice and remove the constancy and knowledge they bring to table. A motion was approved to have Jane Frasier and Joe Wilck collaborate on a letter to express concerns about restructuring of the board to remove PIC and zone chairs. A letter will be drafted and shared with officers for review, then sent to ASEE. Attendees voted unanimously to approve this action.

Agnieszka shared information about the 125 member minimum to maintain a division, 200 minimum to establish a division. It is not clear if ASEE will actively put divisions on notice for low numbers. Our division could be put on probation for low numbers, but the EE division is meeting all other requirements to maintain an active division. As discussed earlier, we will take efforts to increase division membership.

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Joe Wilck shared that Jessalyn Vermillion has been a valuable addition to the accounting team at ASEE, and could likely use temporary help to catch up on accounts. Agnieszka Miguel will take that info back to board. Jessalyn is making great progress on accounts and has been a valuable contributor

New conference schedule changes were discussed briefly. It was noted that they are not fundamentally negative, but adapting to the changes may take time for members.

6. Program Chair's Report

For the 2017 conference, 12 abstracts were submitted, 1 withdrawn, and 0 rejected. From those initial submissions, 10 papers were published and presented, placed into two technical sessions. Two awards were presented to those who submitted papers.

Best Paper Award:

Karen Bursic, "Work In Progress – An Engineering Economy Concept Inventory," (Presented on Tuesday, June 27, 1:30PM Session)

New Engineering Economy Educator Sponsorship:

James Burns (Purdue Polytechnic Institute)

Rules and eligibility for the New Engineering Economy Educator award were shared with the division. The division has the option to offer this award indefinitely, and it was agreed that the award is valuable to help draw new members into the division.

7. Treasurer's Report

Billy Gray shared the most recent account balances received from ASEE accounting, dated 9/30/2016. Billy noted that Doug Black (of ASEE accounting) left this past year. Jessalyn Vermillion has assumed accounting responsibility and has been very responsive and proficient. Officers met with Jessalyn immediately following the division meeting to get updated account info. The most recent numbers are shared in the treasurer's report, found at the end of the minutes.

Account updates from ASEE have been delayed, with new balances expected in a few months. Ted Eschenbach requested clear statements on accounts related to Don Newnan's contributions to fund awards. Officers assured division members that current account info would be acquired from ASEE accounting and shared with division.

8. Newsletter Editor's Report

Kellie Grasman presented the Editor's Report. The division produced two newsletters in 2016 – 2017. A new division website was created, and linked to the main ASEE site. The site can be accessed directly at: <https://sites.asee.org/eed/>. The Newsletter Editor position will now also include responsibility for maintaining the division website. Meeting minutes will be published in the Fall 2017 newsletter as well as on the website.

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9. Division Leadership and Volunteers

Nomination and election of a new Newsletter Editor ensued. Jim Burns was self-nominated, nomination was closed, and all division members voted in favor of Jim for the role of EED Newsletter Editor to commence 2017-18.

The following division leadership and volunteers were unanimously approved for 2017 – 2018.

Division Officers (2016 – 2017)

Immediate Past Chair:	Karen Bursic
Division Chair:	Joe Wilck
Program Chair:	Aimee Ulstad
Treasurer:	Billy Gray
Secretary:	Kellie Grasman

Division Officers (2017 – 2018)

Immediate Past Chair:	Joe Wilck
Division Chair:	Aimee Ulstad
Program Chair:	Billy Gray
Treasurer:	Kellie Grasman
Secretary:	Jim Burns

10. Committee Reports

National Engineering Economy Teaching Excellence Award

Joe Wilck shared an update on the award. As a biannual award presented by ASEE, no honor was granted this year. Nominations are managed by ASEE (open approximately Nov. 15 through Jan. 15) with selection determined by committee based on specific rubric emphasizing classroom teaching and teaching scholarship.

A fifth member of the award committee must be determined. In the absence of specific written direction, Ted Eschenbach and Robert Lundquist shared their interpretation of Don Newnan's intent for the committee. Don Newnan wanted the committee to be made up of previous winners, and also include a non-division member to provide oversight. Don wanted that person to be someone reviewing the applicants in terms of educational impact.

Ed Pohl was contacted previously and is willing to serve as the non-divisional member. Joe Wilck will communicate with ASEE to ensure he is qualified to be 5th member. Ed Pohl was supported by all division members, and will be appointed pending ASEE approval. A non-divisional committee member will be required in two more years.

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Grant Award

All Eugene L. Grant award committee members will continue in their roles (Dixon, Eschenbach and Jones are renewing). Kate Abel is chair elect for committee, so will ensure continuity. Award will continue to be paid from the BASS account. Royalties from publication of the Engineering Economist go into the BASS account annually. All members voted in favor of funding the award from the BASS account with a \$1000 transfer.

Division Officers (2016 – 2017)

Jane Fraser	(2016 – 2019) [Past Chair]
Kate Abel	(2015 – 2018) [Chair-Elect]
Gene Dixon	(2018 – 2020) [Chair]
Ted Eschenbach	(2018 – 2020)
Billy Gray	(2015 – 2018)
Erick Jones	(2018 – 2020)
Paul Kauffmann	(2015 – 2018)
Neal Lewis	(2016 – 2019)
Janis Terpenney	(2016 – 2019)

The Engineering Economist

Joe Wilck, on behalf of Sarah Ryan, presented a briefing of The Engineering Economist.

The journal continues to be healthy and is showing steady rates in many areas, with some variability: Submissions (112 in 2015, 95 in 2016, 67 through mid-May 2017), article acceptance rate (23% in 2015, 17.1% for 12 months ending May 2017), impact factor [2-year] (0.844 for 2014, 1.207 for 2015, 2.207 for 2016) continuing an increasing trend seen over the past few years, readership interest shows variability in downloads. IISE is pleased with the journal performance.

Volume 62 has allocated 20% more pages than Volume 61, possibly due to Engineering Economy division minutes being removed from the print publication. Backlog of 15 accepted but unassigned articles published online. The journal shows an increasing trend of percentile rank within all peer groups, and is in top half.

The Engineering Economy division was not included in the selection of a new editor for the journal. Joe Wilck will inquire about the process for selecting a new editor, which will occur again in five years.

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The Editorial Board of The Engineering Economist consists of three nominees each from ASEE and IISE, serving three calendar year terms.

IISE members:

Joseph Wilck (2018 – 2020) [Elected at recent IISE Annual Conference]

Mingzhou Jin (2017 – 2019)

Cameron MacKenzie (2016 – 2018) {taking over for Karen Bursic}

Chin Hon Tan (2015 – 2017) [Term Ending]

ASEE members:

Jerome Lavelle (2017 – 2019)

Gene Dixon (2016 – 2018)

John A. White, Jr. (2015 – 2017) [Term Ending] – Billy Gray will replace (2018-2020)

John White is not seeking re-nomination to the Engineering Economist Editorial Board. He appreciates the opportunity to support the division, and wishes for someone else to enjoy the opportunity. Nominations were solicited for ASEE representation to the Engineering Economist Editorial Board, Billy Gray self-nominated, nomination was closed, and all division members voted in favor of Billy Gray to assume a 3-year term on the Engineering Economist Editorial Board.

11. General Discussion

Joe Wilck mentioned that the 2018 ASEE Conference will be in Salt Lake City, Utah on June 24-27, 2018. Also, the Joint-Division Dinner will be June 27, 2017, Tuesday Evening, 7PM (EST), at the Peppercorn Room in the Hyatt Regency Columbus.

Joe Wilck thanked Karen Bursic for her service to the division as she served as chair twice, and recognized all who serve formally and informally for the division. Thank you to Joe Wilck for serving as Chair.

A congratulations was offered to Ted Eschenbach on his designation as an ASEE Fellow at this year's conference. Engineering Economy division members were encouraged to nominate fellow division members for the ASEE Fellow designation. Members noted that it would be helpful for award winners to be announced in advance so all interested parties could attend the award presentation during the conference. It would also be helpful for awardees to be notified immediately in order to aid in their travel arrangements (i.e., if they wish to bring their spouse to the conference and award ceremonies).

12. Adjournment

The meeting was adjourned by Joe Wilck at approximately 3:00PM local time.

Continued . . .

13. Appendix

Treasurer's Report, by Billy Gray and Kellie Grasman
Current as of September 12, 2017

This report includes an update on four accounts. The three accounts managed by the Treasurer in conjunction with ASEE Headquarters include the BASS (Bank and Accounting Services System) Account, the Operating Account, and the Conference Best Paper Award Account. The fourth account is overseen by the Editor of *The Engineering Economist* and is the Grant Award Account for the journal's annual best paper; it is currently not managed by ASEE.

Joe Wilck, Aimee Ulstad, Billy Gray and Kellie Grasman met with Jessalyn Vermillion from ASEE immediately following the business meeting on 6/26/17. Jessalyn shared balances reconciled to date, and will provide annual FY17 statements (through 9/30/17) by end of October. Please contact Kellie Grasman (kgrasman@mst.edu) with any questions.

Operating Account #322 – allocation of \$1/member each year

Balance as of September, 2017: \$116.00

Balance as of September 30, 2016: \$0.00

Note: Account receives an allocation of \$1 per division member each year, and expenses are applied to deplete each year

BASS Account #222 - activity for dues, royalty, conference expenses,

Balance as of March 31, 2017: \$16,652.08

Balance as of September 30, 2016: \$14,876.13

*Note, the 2014 Grant Award money is being held in an escrow account due to an embargo with the winners' home country by the USA.

Conference Best Paper Award Account (Endowment Account, considered an ASEE local account) #122 – held with TIAA-CREF

Balance as of March 31, 2017: \$119,387

Grant Award Account #422 – Charles Schwab –award affiliated with Engineering Economist – will be updated at time of audit in Oct 17

Balance as of June 2017: \$34,969

Balance as of September 30, 2016: \$32,633

Balance as of June 4, 2015: \$32,631.92

Balance as of June 30, 2014: \$32,628.97

Updates on the Grant Award account are sent to the Editor of The Engineering Economist.

Pursuant to the motion in Section 5 – PIC 1 Update of the meeting minutes, the following letter below was approved by the EED officers and delivered on 7/28/2017.



July 28, 2017

Dr. Bevlee Watford
President
American Society for Engineering Education

Dr. Norman Fortenberry
Executive Director
American Society for Engineering Education

Dear Dr. Watford and Dr. Fortenberry:

At the meeting of the Engineering Economy Division of ASEE during the 2017 Annual Conference and Exposition, the Division members discussed the proposal to reduce the number of PIC Chairs and Zone Chairs on the ASEE Board of Directors. Members of our division have served in various leadership roles for ASEE, including on the Board; thus, we are cognizant of its current structure and mode of functioning. Our division's membership feels that while efforts to make the Board more effective are noble, the proposal will dilute the communication of the members to the Board. As such, we do not support this change.

The members of our Division are active in ASEE through the interest-based Divisions and the geography-based Sections. Because the Divisions are supported by the PIC Chairs and the Sections are supported by the Zone Chairs, lines of communication are strong and responsive. The experience of members of our Division is that the PIC Chairs and Zone Chairs are in close contact with members, are aware of the issues that members raise in Divisions and Sections, and are responsive to those issues.

Having a longer chain of communication from a member (whose primary affiliation with ASEE is with Divisions and Sections) to the Board is a mistake. The Voice of the Member needs to be heard with as little chance for miscommunication as possible. For example, at the Annual Conference in 2013 (Atlanta) one of our members recommended a change from compact disks to flash drives for distribution of the conference proceedings. That change was enacted and is effective and efficient. However, with additional links in the communication chain, such novel ideas and sharing may be lost in the dilution of our voice.

The members of the Engineering Economy Division do not support the proposed change to reduce the number of PIC and Zone Chairs on the Board.

Sincerely,

Dr. Joseph Wilck
Past-President, Engineering Economy Division,
ASEE

Dr. Jane M Fraser
Fellow, ASEE
Former Zone Chair, ASEE
Former Division Officer (Multiple Times),
ASEE