

7-12-2017

# Engineering Libraries Division (ELD) – ASEE: An Overview, 2017 Conference Highlights, and ABET Engineering Accreditation Criteria Changes

Margaret Phillips

*Purdue University*, [phill201@purdue.edu](mailto:phill201@purdue.edu)

Follow this and additional works at: [https://docs.lib.purdue.edu/lib\\_fspres](https://docs.lib.purdue.edu/lib_fspres)



Part of the [Information Literacy Commons](#), and the [Scholarly Communication Commons](#)

---

## Recommended Citation

Phillips, Margaret, "Engineering Libraries Division (ELD) – ASEE: An Overview, 2017 Conference Highlights, and ABET Engineering Accreditation Criteria Changes" (2017). *Libraries Faculty and Staff Presentations*. Paper 150.  
[https://docs.lib.purdue.edu/lib\\_fspres/150](https://docs.lib.purdue.edu/lib_fspres/150)

This document has been made available through Purdue e-Pubs, a service of the Purdue University Libraries. Please contact [epubs@purdue.edu](mailto:epubs@purdue.edu) for additional information.

# Engineering Libraries Division(ELD)

## American Society of Engineering Education (ASEE)

STS LIAISON FORUM  
JULY 12, 2017

MARGARET PHILLIPS  
ASSISTANT PROFESSOR OF LIBRARY SCIENCE  
ENGINEERING INFORMATION SPECIALIST  
PURDUE UNIVERSITY

---



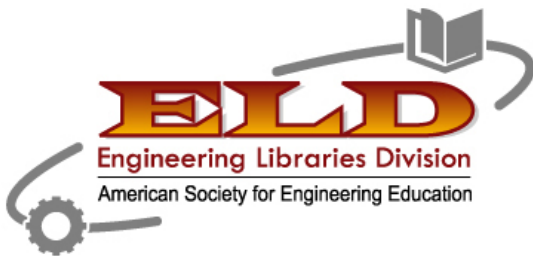
# Outline

---

Brief Overview of ELD

2017 ASEE Annual Conference Highlights

ABET – engineering accreditation criteria changes



# Brief Overview of ELD

---

# What is ELD?

---

## Division of ASEE

- Librarians and information professionals concerned with the support of engineering education
- 218 members (*as of 7/10/17*)
- Website: <http://depts.washington.edu/englib/eld/>
- Listservs:
  - **ELDnet-I** (open to all – librarians, vendors, everyone!) –  
To subscribe: <http://mailman13.u.washington.edu/mailman/listinfo/eldnet-I>
  - **ELD-L** (members only)



# 2017 Annual ASEE Conference

---

# 2017 Annual ASEE Conference

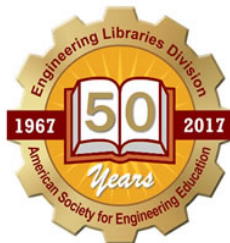
---

June 25-28, 2017 Columbus, OH

ELD Conference Program:

<http://depts.washington.edu/englib/eld/conf/conf2017.php>

2017 - 50<sup>th</sup> anniversary of ELD & 75<sup>th</sup> anniversary as the 1<sup>st</sup> organized engineering librarians group in ASEE



# 2017 Annual ASEE Conference

- Peer reviewed conference papers
  - 3 Technical Sessions
    - Collaborating with Engineering Students and Faculty – 4 papers
    - Improving Information Literacy Programs – 4 papers
    - History & Future of Engineering Librarianship – 4 papers
  - 1 Poster Session – 4 papers
  - Papers currently viewable: [2017 Conference Website – Online Session Locator](#) (limit results to ELD division)
  - Available later: ASEE Repository - <https://peer.asee.org/>
  - ASEE papers indexed: Compendex & Scopus





# 2017 Annual ASEE Conference – ELD Awards

---

## **Best Publication:**

*Using Altmetrics as an Engineering Faculty Outreach Tool*

2016 ASEE Conference Paper:  
[peer.asee.org/27127](http://peer.asee.org/27127)

- Megan Sapp Nelson (Purdue University)

## **Best Poster:**

*A Bibliometric Analysis of ASEE Conference Papers Published by Members of the Engineering Libraries Division*

[www.asee.org/public/conferences/78/papers/19782/view](http://www.asee.org/public/conferences/78/papers/19782/view)

- Nestor L. Osorio (Northern Illinois University)  
and Daniela Solomon (Case Western Reserve University)

## **Homer I. Bernhardt Distinguished Service Award:**

2017 Recipient: Michael White,  
Associate Librarian, Queens University

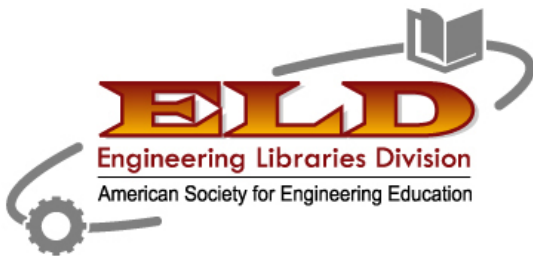


# 2017 Annual Conference

---

Workshops – Wednesday, June 28th:

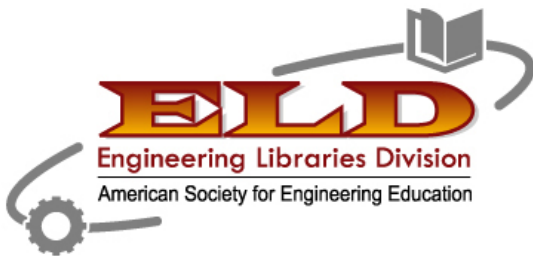
- Systematic Literature Reviews (1:30-5:30pm)
  - Presenter: Margaret Foster (Texas A&M University)
- Integrating Technical Standards into Design Courses (1:30-3:30pm)
  - Presenters: Margaret Phillips (Purdue University), Michael Fosmire (Purdue University), Paul McPherson (Purdue University)
  - Workshop materials available: [guides.lib.purdue.edu/NIST\\_standards](http://guides.lib.purdue.edu/NIST_standards)



# 2017 Annual ASEE Conference

---

“Cueballs” – ELD Pre & Post Conference Informal Outings



# 2017 Annual ASEE Conference

---

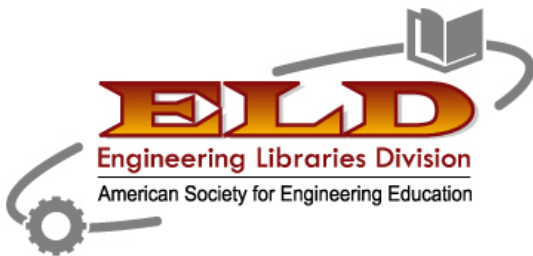
THANK YOU TO OUR SPONSORS!

- ACS
- AIAA
- ARM
- ASME
- ASTM International
- AWS
- Elsevier
- ICE
- IEEE
- IET
- Morgan & Claypool
- SAE
- SPIE
- TechStreet



# ABET Engineering Accreditation Changes

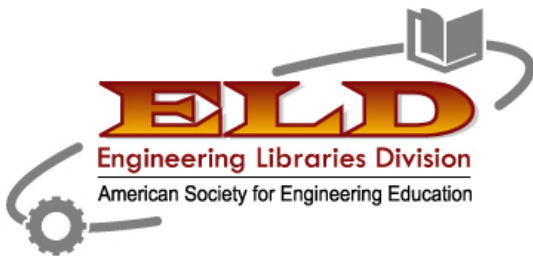
---



# What is ABET?

---

- Formerly known as the “Accreditation Board for Engineering and Technology” – now just “ABET”
- Accreditor of Applied Science, Computer Science, Engineering, and Engineering Technology programs
- Accredit ~3,700 programs at over 750 institutions in 30 countries
- Website: [www.abet.org](http://www.abet.org)



# ABET Proposed Engineering Accreditation Changes – Criterion 3 Student Outcomes

<b>Current (<i>Selected Criteria Related to IL/DIL</i>)</b>	<b>Proposed (2016 – 2<sup>nd</sup> Proposal)</b>	<b>ELD Response</b>
(b) an ability to design and conduct experiments, as well as to analyze and interpret data	3. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.	No suggested changes
(f) an understanding of professional and ethical responsibility	5. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.	No suggested changes
(i) a recognition of the need for, and an ability to engage in life-long learning	6. An ability to recognize the ongoing need to acquire new knowledge, to choose appropriate learning strategies, and to apply this knowledge.	6. An ability to recognize the ongoing need to acquire new knowledge, to choose appropriate learning strategies for locating, accessing, evaluating, and incorporating that knowledge, and to apply this knowledge in an informed and appropriate manner.

Full proposed changes available:

[www.abet.org/accreditation/accreditation-criteria/criteria-for-accrediting-engineering-programs-2017-2018/#changes](http://www.abet.org/accreditation/accreditation-criteria/criteria-for-accrediting-engineering-programs-2017-2018/#changes)

# ABET Proposed Engineering Accreditation Changes – Criterion 5 Curriculum

---

## 5(C): 2016 PROPOSED WORDING

(c) a broad education component that complements the technical content of the curriculum and is consistent with the program educational objectives.

## 5(C): ELD SUGGESTED WORDING

(c) a broad **and multidisciplinary** education component that complements the technical content of the curriculum and is consistent with the program educational objectives.

Full proposed changes available:

[www.abet.org/accreditation/accreditation-criteria/criteria-for-accrediting-engineering-programs-2017-2018/#changes](http://www.abet.org/accreditation/accreditation-criteria/criteria-for-accrediting-engineering-programs-2017-2018/#changes)



# Questions?

---

Thank you!

More information about ELD: [depts.washington.edu/englib/eld](https://depts.washington.edu/englib/eld)

Margaret Phillips  
Assistant Professor of Library Science  
Engineering Information Specialist  
Purdue University Libraries  
[phill201@purdue.edu](mailto:phill201@purdue.edu)  
765-494-3649

