

SEPTEMBER 2022

Engineering Libraries Division

American Society for Engineering Education



Newsletter Highlights

MESSAGE FROM THE CHAIR

By Daniela Solomon



Greetings ELD-ers,
I hope everyone is healthy and ready for a new school year! We are learning that COVID-19 is here to stay and are adapting our lives around it. Most likely your institution is offering in-person classes and hybrid schedules for staff which I know from my own experience continues to represent a scheduling challenge.

The best example of life moving forward was the return to an in-person conference after two years of virtual events. However, the high cost of attending the in-person conference had a huge negative impact on ELD members' traveling plans, and the lack of ASEE's willingness to offer opportunities for virtual sessions made many feel disenfranchised. The low turnout of 80 members in Minneapolis is proof of this.

While cognizant of and empathetic of the frustration these conditions created for the ELD members who could not attend, it was great reconnecting and meeting in person in Minneapolis, and I hope those in attendance enjoyed the conference. As you all know, the transition to the new paper management system, Slayte, brought havoc and delays in conference planning and registrations, but we still managed to have a great conference that offered new insights, ideas, and numerous networking opportunities.

The conference featured fifteen technical papers presented over five technical sessions and two poster presentations. We enjoyed the long overdue workshop - The Basics of Qualitative Research Methods for Librarians - we've been waiting for since the last in-person conference in Tampa in 2019, and had an uplifting panel on a topic dear to engineering librarians - Technical

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ELD is a division of the American Society for Engineering Education. Its mission is "to promote and strengthen the role of the library as an integral part of engineering education."

MESSAGE FROM THE CHAIR, *CONTINUED*

Standards: Critical Component of Engineering Librarianship. We also had one session of Lightning Talks and a session of roundtable discussions, but the highlight of the conference was the Open Forum on Issues of Relevance to Early Career Librarians which showed the true spirit of the ELD community in supporting each other. The program included multiple networking opportunities – a session moderated by Kari Kozak who challenged our group’s geekiness with a patent guessing activity, the regular annual business meeting, and the three traditional social events. For a list of the ELD conference sessions, please see our [2022 Annual Conference webpage](#). Presentation slides are available on the ELD’s OSF Meetings platform <https://osf.io/meetings/ELD2022>. All conference papers will be made available on the [ASEE PEER repository](#).

Our Division nominated the “High-Quality Text Descriptions of Visual Elements in Online Interactive Versions of Traditional Print Mechanical Engineering Textbooks” for the best PIC I paper and for the best ASEE DEI paper award. We are proud that this paper was one of the finalists for the ASEE DEI award.

There were so many people involved in making the annual conference a success. I would like to thank my Program Committee (Julie Arendt, Ibironke Lawal, Chelsea Leachman, Sylvia Jones, Lisa Ngo, Amy Van Epps, John Teleha, Michelle Spence, John Napp, Denise Wetzel, Kevin Drees) for all their work and stepping up. Many thanks to all the authors, reviewers, presenters, panelists, session, and events organizers, and moderators (Denise Lewis, Brianna Buljung, Sylvia Jones, Amy Buhler, Kari Kozak, Zac Painter, Denise Wetzel, Amy Van Epps, John Teleha, Mel DeSart, Sarah Barbrow, Jennifer Long). Many thanks to the Publication Co-Chairs (Amani Magid and Sarah Over), the Development Committee (Michelle Spence - Chair), the Awards Committee (Erin Rowley – Chair), and the DEI Committee (Sarah Lester – Chair) for their support in selecting the best papers; Website Committee (Marina Zhang- Chair); and the Conference Travel Stipend Award Committee (Bernadette Ewen – Chair). We also are grateful for the continuous support of our sponsors (ACS, ICE, IET, McGraw Hill, AWS, SAE, ASTM, SPIE, Techstreet, Morgan & Claypool, AIAA, ASCE, Begell House, Elsevier, IEEE, ASME, and Overleaf). The dedication and hard work of everybody involved with the conference were amazing and I truly appreciate everybody’s contributions.

For this year, the EEC approved the development of a systematic way to digitally preserve the ELD internal documents and organizational knowledge to be hosted on OSF. The hope is that this will make it easier to keep up with each committee’s activity, streamline the transition between committee chairs, improve the discoverability of the various open products created by our division, and preserve organizational knowledge for the future. Additionally, since ASEE has announced an increase in membership fees, the EEC agreed to renew ELD efforts to convince ASEE of the necessity of a reduced conference registration fee for the ELD members. We are just embarking on this effort so please look for more details coming soon and let us know if you want to help or have any suggestions for this process.

MESSAGE FROM THE CHAIR, *CONTINUED*

Planning for the 2023 ASEE Conference in Baltimore is underway. Lisa Ngo, our Program Chair, has already begun organizing it and the call for papers will officially go out soon. Please consider submitting an abstract, getting involved, and attending in 2023 if possible! Please feel free to reach out if you have any questions.

Wishing you all the very best and a great new school year,

Daniela
2022-2023 Engineering Libraries Division Chair

ASEE's 2023 Annual Conference will be in Baltimore, MD!



ASEE's Conference Page can be [found here](#). We look forward to seeing everyone in Baltimore from June 25-28, 2023.



LOOKING AHEAD TO BALTIMORE

The Engineering Libraries Division (ELD) of the American Society for Engineering Education (ASEE) is seeking abstracts for consideration for presentation at the 2023 Annual Conference & Exposition in Baltimore, MD, June 25-28, 2023.

ELD accepts abstracts for full-length presentations and posters from the ELD members and welcomes abstracts or joint presentations with members of other divisions.

Topics of interest include, but are not limited to:

- Assessment
- Collection Development
- Diversity, Equity & Inclusion
- Early Career
- Libraries and the Global Engineering Issues
- Instruction
- Open Science
- Outreach and Engagement
- Research Support Services
- Scholarly Communication
- Technical Standards
- Technical Skills and Engineering Librarianship

Abstracts for papers and posters should be submitted through the [ASEE Conference webpage](#). All paper submissions are publish-to-present. Papers submitted to technical sessions are peer reviewed through the ELD review process, and those accepted will be published in the ASEE Proceedings and online on the ASEE PEER repository. From the accepted papers, ELD will select the division's Best Paper and the Best Diversity Paper to participate in the Society's selection for the respective categories.

Abstract submission opens on October 1; while the closing date has not yet been announced, we anticipate that it will be similar to 2022, with abstracts accepted through early November. We will update the call as we receive more information.

ELD also accepts suggestions/proposals for "Special Sessions," e.g., panel discussions, workshops, and cross-divisional sessions. Based on the post-conference survey, topics of interest include but are not limited to conducting research, collection development, diversity and inclusion, open science, research support services, and/or instruction.

Special session proposal should include:

- description of the intended audience
- description of possible panelists and their expertise
- summary of the ideas to be explored and discussed
- outline of the session format, including strategies to engage those attending
- expected outcomes for the session

Submissions/proposals for the Special Sessions should be submitted to Lisa Ngo (Lngo@berkeley.edu); deadline to be announced.

For questions or additional information, please contact
Lisa Ngo, 2023 ASEE ELD Program Chair, Lngo@berkeley.edu

CONFERENCE REPORT, MINNEAPOLIS

Sunday, June 26

ASEE held its first in-person conference in 2 years in Minneapolis, Minnesota. from June 26-29, 2022. This year's theme was Excellence Through Diversity. ELD kicked off the conference with the return of the ELD Workshop on the morning of Sunday, June 26. "The Basics of Qualitative Research Methods for Librarians" was facilitated by Amy S. Van Epps (Harvard University), Amy G. Buhler (University of Florida), and Margaret Phillips (Purdue University at West Lafayette). The thirty-eight attendees for this workshop gained valuable skills in developing and expanding their qualitative research knowledge. Slides and handouts from the presentation can be found by visiting the 2022 ASEE Annual Conference & Exposition OSF webpage ([found here](#)).

As is tradition, in our summary of technical sessions below, we only note the presenting author(s).

The first technical session, "TS 1: Library Services," was sponsored by Begell House. Denice Lewis (Wake Forest University) moderated.

Leena N. Lalwani and **Nancy Alee** (University of Michigan) led with "Preparing the Engineering Library of the Future: Changing Services, Structures, Staffing, and Resources - A Case Study." [[view paper](#)][[view slides](#)] This case study covered the transformation of library spaces and services while dealing with organizational structural shifts.

Qianjin Zhang, **Kari Kozak**, and **James M. Cox** (University of Iowa) next shared "Using Esploro to Increase Visibility of Engineering Faculty Research Work." [[view paper](#)][[view slides](#)] The College of Engineering approached the Engineering Library to identify a new system to showcase their faculty work. The Engineering Library identified Esploro, a research information management system powered by Ex Libris. This paper shared how they developed a workflow and some best practices and lessons learned.

Brianna Buljung and **Lisa Dunn** (Colorado School of Mines) closed with "Sustainable Boutique Research Services in a Mid-sized STEM Library: A Preliminary Study." [[view paper](#)][[view slides](#)] In response to evolving university needs, the Mines Library explored the feasibility of converting traditional reference services to a concierge model. Using a literature review, internal scan and external scan, they explored what a pilot of the service should consider and include.

The second technical session, "TS 2: Instruction," was sponsored by AWS. Brianna Buljung (Colorado School of Mines) moderated.

Bridget M. Smyser and **Jodi Bolognese** (Northeastern University) led with "Assessing Information Literacy in Capstone Design Projects: Where are students still struggling?" [[view paper](#)][[view slides](#)] A Mechanical Engineering faculty member and Engineering Librarian used a customized VALUE rubric to assess information literacy skills in Capstone design reports. They presented their analysis and results - essentially that students struggled most with higher order, more contextual-dependent skills like determining the extent of information needed, and using information effectively.

CONFERENCE REPORT, MINNEAPOLIS (CONT.)

Haoyong Lan (University of Louisville) next shared "Using a Knowledge Mapping Tool in Engineering Information Literacy Instruction: A First Experiment." [[view paper](#)][[view slides](#)] The purpose of this experiment is to explore the effectiveness of knowledge maps in enhancing engineering information literacy instruction. It was done in an information literacy instruction session for a senior-level undergraduate course in Electrical and Computer Engineering.

Jean L. Bossart (University of Florida) closed with "Promoting Active Learning in an Engineering Library." [[view paper](#)][[view slides](#)] To promote active learning, the UF engineering library expanded its 3D service to add circulating 3D printers for students to check out to learn how to print their own models. Taking the engagement one more level, the library developed a 1-credit course for students to learn to build a 3D printer. Assessment showed that students increased their knowledge of 3D printing and their confidence in their abilities to use tools.

The Division Mixer followed. In addition to being well attended by ELD members, the ELD booth attracted a good bit of attention from other ASEE conference-goers. The koozies and activity were both great successes. Thank you to the ELD members who staffed the ELD booth this year! ELD members then closed the night with a Social at Brit's Pub, generously sponsored by SPIE and organized by Mel DeSart.

Monday, June 27

Monday morning kicked off with the ELD Welcome and Lightning Talks. Sylvia Jones (Southern Methodist University) and Amy Buhler (University of Florida) moderated.

Sarah Barbrow (Boston College) led with "From Scratch: Ramping up Everything for a New Engineering Department." [[view slides](#)] Boston College started an Engineering academic department recently, and the first cohort of first year students started in the fall of 2021. Her talk briefly covered how they ramped up everything to support a new department: how they handled building some of the collections (focusing on budget opportunities & constraints and faculty research and instruction needs), as well as how Sarah handled laying the groundwork for a comprehensive four-year information literacy program.

Devin Berg (Open Engineering Inc.) shared "Engineering Archive Progress Update and Server News." [[view slides](#)] This lightning talk was an update on the status of Engineering Archive.

Willow Dressel (Princeton University) shared "Connecting with STEM DEI initiatives." [[view slides](#)] This talk discussed new STEM DEI initiatives on campus and how the library has worked to connect with them.

Shelby Hallman (Loyola Marymount University) shared "Expanding Algorithmic Literacy Beyond STEM." [[view slides](#)] In recent years, algorithmic bias has gained recognition as a crucial topic in algorithmic literacy, with libraries starting to provide resources and instruction. However, the topic generally remains aimed at a STEM audience; for instance, at Loyola Marymount University, previous algorithmic bias instruction was for

CONFERENCE REPORT, MINNEAPOLIS (CONT.)

computer science students. This talk discussed refining the computer science-focused workshop for an all-discipline audience, with the goal of demystifying algorithms and algorithmic bias for students outside of computer science.

David Hubbard (Texas A & M University) shared "Engineering Design Projects and Chemical Pricing: My Continuing Saga." [\[view slides\]](#) Bulk chemical pricing for engineering design projects has become increasingly difficult to locate due to industry consolidation and monetization of chemical pricing information. This presentation reports on some recent changes, new sources, and a "new" approach for determining chemical prices using a producer price index and its efficacy.

Paula C. Johnson (University of Arizona Libraries) shared "Add it Up! College of Engineering + Library's Makerspace = Great Collaboration!" [\[view slides\]](#) This talk described how Paula collaborated with College of Engineering ENGR 102 (required course for all freshmen) instructors to pilot a program in which the students had three sessions in the Library's makerspace, CATalyst Studios. Students learned about additive manufacturing and in the last session student teams had hands-on experience printing an object that would be a component in their solar go-kart projects.

Cari Kaurlogo (University of Southern California) shared "Engineers & Earth Day: Forging New Partnerships." [\[view slides\]](#) She shared her experiences forging a new partnership between the libraries, school of engineering, and office of sustainability.

Kari Kozak (University of Iowa) shared "Hands-on Learning with Patents." [\[view slides\]](#) She shared about a class activity that has students doing a group activity to learn about how patent searching isn't keyword/title searching but more on function, use, material, etc.

J. Denise Lewis (Wake Forest University) shared "Introducing scite.ai and Inciteful.xyz." [\[view slides\]](#) With advances in machine learning and artificial intelligence combined with open access and data initiatives, new tools have been developed in the last decade which will change how we find and evaluate resources as well as connect interdisciplinary research.

Jennifer M. Long (University of Alabama at Birmingham) shared "Creating a STEM Collection to House Higher Risk Standard Textbooks." [\[view slides\]](#) It is challenging to add standard textbooks to the library collection since many are only available in print format. When these texts are placed in the circulating collection, they are often stolen, hidden, or borrowed by other universities. This talk described the creation of a new closed STEM Collection at the University of Alabama at Birmingham as a proactive measure to keep higher risk standard textbooks in the collection.

Matthew R. Marsteller (Carnegie Mellon University) shared "Deepening Ties with the Campus Technology Transfer Office." [\[view slides\]](#) At Carnegie Mellon University, the University Libraries are deepening ties to various organizations focused on entrepreneurship and innovation. Potential next steps include exploring partnerships with entrepreneurship-focused student organizations, pursuing deeper embedded librarianship roles within classrooms, and the development of curriculum to supplement course roster gaps.

CONFERENCE REPORT, MINNEAPOLIS (CONT.)

Lisa Ngo (University of California, Berkeley) shared "Building an Inclusive Excellence Collection through Collaborative Collection Development." [slides unavailable]

Zachary Painter (Stanford University) shared "Idea Management Principles: A Workflow." [[view slides](#)] How do librarians teach research skills to patrons? Traditionally we teach patrons how to do things involving search, information literacy, and citation management. While there are skills such as data management being added to this, perhaps librarians should start adding other concepts of idea management to our toolboxes. How should we better connect people and information?

Margaret Phillips (Purdue University) shared "An Overview of a Work-in-Progress Scoping Review of Systematic Reviews in Engineering." [[view slides](#)] Four librarians are conducting a scoping review of published systematic reviews in engineering. Systematic reviews are considered one of the highest levels of proof for evidence-based decision making, but they are only as good as the methods used. This review seeks to answer the following research questions: 1. To what extent is the systematic review research method being applied in engineering disciplines? 2. How closely are systematic reviews that are published in engineering disciplines following established guidelines for the methodology?

Jill Powell (Cornell University) shared "Lantern Slides for Engineering Instruction in the Early 20th Century." [[view slides](#)] Cornell's Engineering Library received a donation of some 360 lantern slides from the Sibley School of Mechanical and Aerospace Engineering, which were used as visual aids in industrial engineering classes in the 1920s-1930s. They include pictures of machines, people operating machines, organized recreation in factories, automobile assembly, and sample hiring practices. Jill shared her [Libguide](#), which points to more images.

Eric Schares (Iowa State University) shared "Automating API calls with Python." [[view slides](#)] A Python script that automatically looks up the number of publications from Iowa State in 2022 in three databases - Web of Science, Dimensions, and OpenAlex. The program runs each morning at 9am, then records the numbers in a running Excel sheet.

Andy Shimp (Yale University) shared "Quantum Week at Yale." [slides unavailable] The library has an [online exhibit](#) related to this talk.

John Teleha (North Carolina A&T State University) shared "Update on Breaching the Digital Divide: Mitigating the Digital Divide by Equipping Students with Tools to meet their Virtual Needs during a Pandemic." [[view slides](#)] NCA&TSU's F.D. Bluford Library began lending laptops to "at-risk" students as they were sent home in March 2020. In this update to an ALA poster (June 2021) and ELD Lightning Talk (July 2021), John presented data on how many students participated through December 2021, how many devices were shipped to students, and how the laptop loan program impacted all colleges across the academy.

Denise A. Wetzel (Pennsylvania State University) shared "Engaging through Google Docs for a Technical Writing Course." [[view slides](#)] Following an in-class instruction session on finding patents, finding standards, using research guides, and evaluating web

CONFERENCE REPORT, MINNEAPOLIS (CONT.)

information, students were asked to complete a Google Doc. This engaging group activity guided students to apply the resources and skills learned during class before utilizing these same skills for their final course projects.

Craig Griffith (IEEE) shared "Insider View on Peer Review." [[view slides](#)] Attendees gained insight into why peer review is important, how it works, what reviewers are looking for when they evaluate an article, and how you can respond to reviewers' comments effectively.

Yuening Zhang (Kent State University) closed with "Virtual Meetings with Accreditations Reviewers During the Pandemic." [[view slides](#)] Three virtual meetings with three accreditation organizations for (re)accreditation of B.S. engineering programs were held. Zhang shared what questions/services reviewers were interested in and how to prepare for these meetings.

The session ended with one-slide/one-minute sponsor talks by our attending sponsors.

- **AWS**
- **Morgan & Claypool**
- **Overleaf**
- **McGraw Hill**
- **SAE**
- **Elsevier**
- **IEEE**
- **ASCE**
- **ICE**

Next was the ELD Networking Lunch. It was sponsored by ACS, AIAA, and IET/Inspec. Kari Kozak (University of Iowa) moderated. Engaged and lively conversations happened throughout the lunch, and then Kari facilitated a group patent labeling game that led to multiple winning tables. Winners received a keychain with the first library due date card patent etched on them.

The third technical session, "TS 3:Technology," was sponsored by Overleaf. Zac Painter (Stanford University) moderated.

Paul McMonigle (Pennsylvania State University) led with "Engaging Engineering Students with Mobile Learning Technologies." [[view paper](#)][[view slides](#)] He documents the model he created to incorporate the ideas expressed in "connected learning pedagogy" and the theory of constructivism (active, collaborative learning with the instructor as a guide and facilitator) into instructional "one-shot" sessions designed to teach information literacy skills to college students at various stages of their careers.

Adrian Rodriguez (zyBooks, A Wiley Brand) shared "High-Quality Text Descriptions of Visual Elements in Online Interactive Versions of Traditional Print Mechanical Engineering Textbooks." [[view paper](#)] Online course materials should comply with accessibility regulations and guidelines to provide an equal learning experience for all students. The presentation described zyBooks guidelines in detail, and presented examples from three different online interactive textbooks used in mechanical engineering courses.

CONFERENCE REPORT, MINNEAPOLIS (CONT.)

Amy Kurr (Case Western Reserve) closed with "Standards In Science and Engineering Education." [[view paper](#)][[view slides](#)] This outline for the in-progress creation of a portable customizable technical standards curriculum for use in undergraduate engineering design experiences that will be shared free of charge upon its completion to universities across the nation.

The fourth technical session, "TS 4: Roundtable Discussions," was sponsored by ICE. Denise A. Wetzel (Pennsylvania State University) and Amy Van Epps (Harvard University) served as moderators. This session included the following topics: ELD Mid-Year Event, Preparing to move from R2 to R1; Patents; Research Collaborations; Marketing; Innovation & Entrepreneurship; Student Organizations; DEI; Instruction; Flex Work & Hybrid; and Mentoring. Participants had the option to move between two different discussions throughout the event. Notes from the discussions can be [found here](#).

Ibironke Lawal (Virginia Commonwealth University) organized the annual IEEE-sponsored ELD Welcome Reception at Union Rooftop Kitchen & Bar. It was a fantastic ending to a fantastic day!

Tuesday, June 28

Notes from the ELD Business Meeting and breakfast, sponsored by SAE, can be found on page 15.

Next up was the ELD Poster Session, moderated by John Teleha (North Carolina A&T State University). Two posters were presented.

Jay McAllister (University of Arkansas) presented "Introducing Arduino Library Kits for Checkout." [[view paper](#)] This poster outlined the steps on creating a tech lending program starting with Arduino. Numerous stakeholders are involved in various areas for training, cataloging, checkout policies, etc.

Susan Wainscott (University of Nevada Las Vegas) presented "More-Inclusive Practices for Science, Technology, Engineering, and Mathematics (STEM) Library Collection Management." [[view paper](#)][[view poster](#)] UNLV Libraries serves a diverse student population, and is committed to ensuring that historically underrepresented groups are represented in the library collection. The poster provides a case study of one STEM librarian's attempt to augment traditional acquisition methods using social media mentions and improvements in use of existing tools to increase historically underrepresented groups' representation within the university's library collection for STEM.

The day continued with the Panel, "Technical Standards: Critical Components of Engineering Librarianship." This panel was sponsored by Techstreet. The panelists were **Chelsea Leachman** (Washington State University), **Erin Rowley** (University of Buffalo), **Margaret Phillips** (Purdue University at West Lafayette), and **Daniela Solomon** (Case Western Reserve). [[view slides](#)] The session introduced participants to the upcoming title, "Technical Standards: Information Literacy and Collection Resources for Librarians and Educators" and provided participants with ideas/skills related to the following topics: instruction, collection development, accreditation, and outreach.

CONFERENCE REPORT, MINNEAPOLIS (CONT.)

The fifth technical session, "TS 5: Open Forum on Issues of Relevance to Early Career Librarians," was sponsored by ASCE and moderated by Mel DeSart (University of Washington). This session was full of questions and answers by many attendees.

The day ended with the ELD Annual Banquet at The News Room. It was organized by Julie Arendt (Virginia Commonwealth University) and sponsored by Elsevier. It was a superb ending to a great day!

Wednesday, June 29

The day began with the sixth technical session, "TS 6: Diversity," sponsored by IOP. Sarah Barbrow (Boston College) moderated.

Sarah Lester (California Polytechnic State University) and **Kelly Durkin Ruth** (US Naval Academy) led with "Look Who's Talking: Exploring the DEI STEM Librarianship Conversation." [[view paper](#)][[view slides](#)] Librarian research on diversity, equity, and inclusion (DEI) in its various iterations dates back over a decade; however, in the context of science, technology, engineering, and math (STEM) librarianship this work still seems very limited. Sarah and Kelly collected and analyzed papers published in STEM library and information science journals over the past 10 years to better understand the nature of this work.

John B. Napp and **Jennifer H. Obertacz** (University of Toledo) shared "Making Space for Students on the Autism Spectrum in the Academic Library." [[view paper](#)][[view slides](#)] The authors' institution had recently designated specialized rooms for nursing mothers, parents with small children, and veterans. During Fall Semester 2019 the authors applied for grant funding to renovate a small, unused room on the second floor of Carlson Library on the Main Campus of The University of Toledo. This presentation described the ups and downs since 2019 and looks to the future plans.

Eric Prosser (Arizona State University) closed with "Creating a STEM Diversity Collection in an Academic Science and Engineering Library." [[view paper](#)][[view slides](#)] BIPOC and LGBTQ+ communities have been historically marginalized and are underrepresented in STEM disciplines. This presentation reviews the literature describing similar equity collections, in both STEM and non-STEM fields, and looked at collection development efforts for diversity and equity in other academic STEM libraries.

The ELD program ended with the seventh technical session, "TS 7: Library Collaboration," sponsored by ASME. Jennifer M. Long (University of Alabama at Birmingham) moderated.

Heidi Southworth (Minnesota State University, Mankato) led with "'But I'm not an Engineer'... Collaboration between a Librarian and an Upper Division Project-Based Engineering Program." [[view paper](#)][[view slides](#)] This presentation describes the developing partnership between a "new" engineering librarian and faculty/students in a project-based engineering program at Minnesota State University, Mankato.

CONFERENCE REPORT, MINNEAPOLIS (CONT.)

Leah M. Wiitablake (Clemson University) shared "The Role of Libraries in Collaborative OER Development." [[view paper](#)] Libraries and librarians at post-secondary institutions are in the unique position to promote and advocate for Open Educational Resources (OER) by engaging in the interdisciplinary process of effectively creating and implementing OER. The work shared in this presentation involves the creation of OER in mechanical engineering with a design-based research focused on an interdisciplinary, multi-institutional collaborative OER development project for Robotics textbooks and ancillary materials.

Chris A. Wiley (University of Illinois, Urbana-Champaign) closed both the conference and the session with "The Ties that Bind: Library E-Resources and Faculty Research." [[view paper](#)] This presentation highlights a citation analysis study using Montana State University Library as a research example.

**THANK YOU TO
EVERYONE THAT
MADE THIS YEAR'S
CONFERENCE A
SUCCESS!**



AUGUST 2022 ASEE ELD DIRECTORY OF MEMBERS

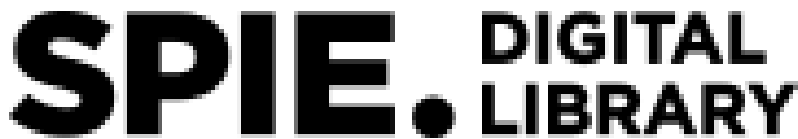
The August 2022 ASEE ELD Directory of Members is now available. To download a PDF copy of the directory:

- Webpage <https://sites.asee.org/eld/member-directory/>
- Click on the link below the photo of the directory
- Password: (Found on Paula Johnson's August 25, 2022 email)

Best efforts have been made to ensure the directory is complete and up-to-date, but we ask that you please review your own information and send me any additions, deletions, etc. as you see fit: pcjohnson@arizona.edu. Edits to the directory will be reflected in the next update to the ASEE ELD Directory of Members.

PLEASE NOTE: The ASEE ELD Directory of Members is a benefit of ASEE ELD membership. Do not reproduce, copy, forward, or distribute the directory or share the link/password used to access the directory.

ASEE ELD 2022 SPONSORS



American Welding Society®



CALL FOR NOMINATIONS

Call for Nominations – Secretary/Treasurer and Director

The ELD Nominating Committee would like to invite interested members to run for the offices of Secretary/Treasurer and Director. If you would like to nominate yourself or a colleague for either of these positions, or if you have any questions, please contact Kari Kozak at kari-kozak@uiowa.edu.

Self-nominations are encouraged and if you are nominating someone else, please be sure that you have their permission to nominate and that they are willing to run. Any nominee must indicate in writing their willingness to serve before their names are placed in nomination. Per ELD Bylaws: “The Nominating Committee shall submit a slate of candidates to the membership no later than the third Friday of February.” “On or before the second Friday of March, ballots shall be made available to the membership electronically.” (Note: the 2023 dates are February 17 and March 10, respectively.)

ELD thrives on the strength and participation of its membership. We highly encourage individuals from all underrepresented communities to apply for leadership positions within ELD. It’s been my experience that those elected to the positions have had tremendous support of their ELD colleagues who served before them. Below are more details about each office:

Secretary/Treasurer

Election to Secretary/Treasurer starts a four-year commitment to the ELD officer track. The ELD member elected in 2023 will assume office at the end of the Annual Business Meeting at the conference next June in Baltimore, MD. The Secretary/ Treasurer becomes the Program Chair at the end of the 2024 conference in Portland, OR, responsible for planning the 2025 conference in Montréal, Canada. At the end of the 2025 conference, the Program Chair becomes Division Chair and will serve until the 2026 conference in Charlotte, NC. At the end of the 2026 conference, the Chair becomes Past Chair/Chair of the Nominating Committee serving through the 2027 conference in Toronto, Canada. The Secretary/Treasurer, Program Chair, and Chair sit on both the Executive Committee (EC) and the Extended Executive Committee (EEC). The Past Chair/Chair of the Nominating Committee is a member of the EEC only. Progression from one office to the next takes place at the end of each year’s Business Meeting.

Director

The Directorship is a two-year commitment. During their first year the Director organizes the ELD welcome reception. In year two the Director organizes the annual banquet. The person elected Director next spring will organize the welcome reception in 2024 in Portland and the annual banquet in 2025 in Montréal, Canada. The Director is a member of the EC and the EEC during their entire two-year term.

Complete descriptions of the roles and duties of ELD officers are available in Article IV of the Bylaws and on the website. Many ELD members who have served in these positions would be happy to discuss their experiences with potential candidates. Please see [the list](#) of past chairs and past directors for names.

Please don’t hesitate to contact me with any questions at kari-kozak@uiowa.edu.
Kari Kozak, Chair Nominating Committee

ANNUAL BUSINESS MEETING

Engineering Libraries Division
2022 Annual Business Meeting
Tuesday, June 28, 2022, 8-9:30 am (CDT)
Location: Greenway CDE, Hyatt Regency Hotel

Kari Kozak called the meeting to order at 8:00 am.

Report from PIC I Chair, Christi Patton Luks

Conference report:

- Conference attendance was at ~3300 by the evening of June 26, compared to ~3800 at the last in-person ASEE Annual Conference in Tampa, FL. There are 762 sessions scheduled.

Updates from the Board meeting:

- ASEE is working on an alignment of ASEE values and sponsor values, and to encourage membership in ASEE by helping members do their job better. ASEE values Excellence, Engagement, Innovation, Integrity, Diversity, & Inclusion as a way to promote ASEE membership benefits, they will be featuring one division each week for the next year on the ASEE website.
- Nominations for the position of VP-Scholarship closed on June 29, 2022. The Journal of Engineering Education (JEE) has an Editor position open; nominations can be sent to Christi Luks.
- A Scholarly Publications Committee is being formed with editors of all society and division level publications participating. Mel DeSart is the representative from the Engineering Libraries Division.
- Transforming Prism: Revenue from Prism is down and paper and postage costs are up. ASEE is planning on reducing the number of issues annually from eight to four and increasing the digital presence.
- An ASEE User Group will be formed with representatives from divisions, committees, and other users. The group will be charged to review and provide input for all future software purchases.
- Minneapolis meeting attendees will receive a \$50 discount to be applied towards either annual dues or registration for the 2023 conference; attendees will also receive a \$50 discount to gift to one new member. (Post-Conference Update: An email with the specific coupon codes for these discounts were sent on Sept 12, 2022.)
- CDEI: 25 papers were nominated for Best Diversity, Equity, and Inclusion paper. There were no nominees for the ASEE Constituent Diversity, Equity, and Inclusion Award. Members are encouraged to apply for the Constituent award if they are doing anything diversity related.
- Bylaws: ASEE encourages adding succession planning in our bylaws for guidance if an officer cannot complete their term. An updated model bylaws will be circulated with succession planning language that we can adopt.
- SLAYTE: Members are encouraged to attend one of the listening sessions about SLAYTE during the conference. The Board will meet in July to make a decision on how to proceed next year; possibilities include staying with SLAYTE, returning to Monolith, or other options.

ANNUAL BUSINESS MEETING (CONT.)

Financial report:

- ASEE is debt-free, with donor contributions and grants up. However, it was hit on cash flow due to contracts being down, Impexium system issues, and meetings requiring more cash advances than normal. They aim to have Impexium data retrieval issues resolved by October 2022.
- BASS account fees will be dropped in FY23. The loss will be covered by a 3% increase in dues per year and a transition to more electronic processing.
- A method for providing cash advances from BASS accounts for event planning is being investigated.

Engineering Libraries Division membership report:

- Membership stands at 215 this year (226 last year). New members who join at the meeting are not reflected in these numbers.

Best papers report:

- ELD nominated "High Quality Text Descriptions of Visual Elements in Online Interactive Versions of Traditional Print Mechanical Engineering Textbooks" for best PIC I paper.
- Best PIC paper went to "The Impact of Math and Science Remedial Education on Engineering Major Choice, Degree Attainment, and Time to Degree," by Joyce B. Main and Amanda Griffith, from the Educational Research and Methods Division, PIC II.

The incoming PIC Chair is Elliot Douglas, Professor and Undergraduate Coordinator, Environmental Engineering Sciences, University of Florida.

ELD feedback to PIC Chair:

- Librarian rates for membership: ASEE is unable to offer different rates for membership, but it is being discussed.
- Librarian rates for conference: ASEE continues to discuss options, including going to donors for contributions. A suggestion was made that librarians could be included in the K-12 rate.

Agenda

Approval of Minutes of 2021 Business Meeting

- Minutes of the 2021 Business Meeting were published in the September 2021 Division newsletter. John Teleha moved to approve and the move was seconded. The minutes were approved.

Division Chair report, Kari Kozak

- Sarah Lester is the chair of the new Diversity, Equity, and Inclusion (DEI) Committee. The committee will be working on a statement for the bylaws.
- Committee leadership
 - Continuations: Michelle Spence (Development), Mel DeSart (Scholarly Communications)
 - Accreditations and Standards: Alison Henry will be stepping down, new chair will be Jay McAllister
 - Membership: Jean Bossart will be stepping down, new chair Li Zhang

ANNUAL BUSINESS MEETING (CONT.)

- Publications: Amani Magid stepping down, Sarah Over will continue as sole chair
- Changes to Committee Names & Charges
 - Newsletter Committee is now Communications Committee; the new charge is on the website and we are taking feedback.
 - Mentorship Committee is now the Professional Development Committee with an updated charge.

Program Chair report, Daniela Solomon

- We'd like to note that the paper ELD nominated for best PIC I paper, "High Quality Text Descriptions of Visual Elements in Online Interactive Versions of Traditional Print Mechanical Engineering Textbooks," was also nominated, and became one of the finalists, for the ASEE best ELD paper award.
- Thank you to everyone in attendance; for those unable to attend, slides will be distributed
- Thank you to:
 - Planning committee: Julie Arendt, Ibironke Lawal, Chelsea Leachman, Sylvia Jones, Lisa Ngo, Amy Van Epps, John Teleha, Michelle Spence, John Napp, Denise Wetzel, Kevin Drees
 - Publication committee: Amani Magid and Sarah Over
 - Authors and presenters
 - Moderators: Denice Lewis, Brianna Buljung, Sylvia Jones, Amy Buhler, Kari Kozak, Zac Painter, Denise Wetzel, Amy Van Epps, John Teleha, Mel DeSart, Sarah Barbrow, Jennifer Long
 - Sunday workshop presenters: Amy Van Epps, Amy Buhler, Margaret Phillips
 - Division mixer organizers: Chelsea Leachman, John Teleha, John Napp
 - Lightning talk organizers: Sylvia Jones, Amy Buhler
 - Awards: Erin Rowley and Sarah Lester
 - Website: Marina Zhang
 - The Development Committee, Michelle Spence, and all our sponsors
 - Travel Stipends: Bernadette Ewen

Secretary/Treasurer report, Lisa Ngo

- No new updates since May newsletter

Committee reports

- Comments were limited to changes and updates since the May newsletter
- Accreditation and Standards: Alison Henry – no updates.
- Archives: Zac Painter – no updates.
- Awards: Erin Rowley – no updates.
- Communications (formerly Newsletter): Denise Wetzel – no updates.
- Development: Mel DeSart (for Michelle Spence) – no updates.
- Diversity, Equity, and Inclusion: Sarah Lester – no updates.
- Electronic Discussion Lists: Mel DeSart – no updates.
- Electronic Voting Administrator: Eric Schares – no updates.
- Membership: Jean Bossart – 213 members, steady during the pandemic.
- Professional Development (formerly Mentoring): Kevin Drees – no updates.
- Publications: Sarah Over & Amani Magid – no updates.
- Scholarly Communications: Mel DeSart – no updates.
- Webmaster: Marina Zhang – slides from moderators will be posted on OSF.

ANNUAL BUSINESS MEETING (CONT.)

Awards and Recognitions

- Long-term Member Recognitions, Jean Bossart, Membership Committee
 - Long-term membership recognition was presented for the years 2020, 2021 and 2022. Members recognized virtually in 2020 and 2021 can be found in newsletters from their respective years. Members recognized in 2022: Brianna Buljung (10 years); Daniela Solomon (10 years); Marian Armour-Gemmen (10 years); Kari Kozak (10 years); David Schmitt (15 years); Dana Denick (15 years); Ileane B. Smith (15 years); Alison Henry (15 years); James E. Bierman (15 years); Susan K. Boyd (20 years); Michael J. White (20 years); Rachel Berrington (20 years); William Baer (20 years); Ruth Wolfish (20 years); Linda R. Musser (35 years); Paige Gibbs (40 years).
- Awards Presentation, Erin Rowley, Awards Committee
 - The recipient for the best DEI paper was selected by the DEI Committee and the Awards Committee and is presented to Adrian Rodriguez, Oscar Rios, Ryan Barlow, and James Eakins, for "High-Quality Text Descriptions of Visual Elements in Online Interactive Versions of Traditional Print Mechanical Engineering Textbooks."
 - The best conference paper put forward by the ELD group is "High-Quality Text Descriptions of Visual Elements in Online Interactive Versions of Traditional Print Mechanical Engineering Textbooks," by Adrian Rodriguez, Oscar Rios, Ryan Barlow, and James Eakins.
 - The ELD Best Publication Award is presented to Joshua Borycz, Alexander J. Carroll, and Honora Eskridge, for "STEM Abstracting and Indexing (A&I) Tool Overlap Analysis in 2020: An Open Science Informed Approach Amid Pandemic Budgets."
 - The ELD Innovation and Access to Engineering Information Award is presented to Eric Schares, for his development of the Unsub Extender tool.
 - The Best Poster Award is presented later in the conference.
- Travel Stipends, Lisa Ngo for Bernadette Ewen, Stipend Coordinator
 - Thank you to our travel stipend sponsors for their generosity and support: Elsevier, McGraw-Hill, SPIE, IET, IEEE, ASTM, and Morgan & Claypool
 - The 2022 travel stipend award winners are: Zac Painter, Paul McMonigle, Marina Zhang, Daniela Solomon, Seth Vuletich, Sue Wainscott, Erin Rowley, Kevin Drees, Margaret Phillips, Eric Schares, Matt Marsteller, Cari Kaurlooto, William Bowman, Lisa Ngo, John Napp, Andy Shimp, and Joshua Borycz
 - McGraw-Hill is the sponsor for the 2022 ASEE Annual random drawing, with two winners and three alternates. Winners are Cari Kaurlooto, Lisa Ngo. Alternates are: Eric Prosser, Yunning Zhang, Sarah Over.

Announcements

- No announcements.

Motion was moved and meeting adjourned at 9:30 am.



ELD EXTENDED EXECUTIVE COMMITTEE MEETING

Engineering Libraries Division
ELD Extended Executive Committee Meeting
Thursday, June 29, 2022, 3:30-5 pm (CDT)
Location: Room L100A, Minneapolis CC

Present: Eric Schares (Electronic Voting Administrator), Daniela Solomon (Incoming Division Chair), Marina Zhang (Webmaster), Mel DeSart (Scholarly Communications & Listservs), Erin Rowley (Awards), Lisa Ngo (Program Chair), Zac Painter (Archivist), Kari Kozak (Outgoing Division Chair), Chelsea Leachman (Secretary/Treasurer), Denise Wetzel (Communications), Sarah Lester (Diversity, Equity, and Inclusion), Li Zhang (Membership), Paula Johnson (Membership Directory), Sarah Over (Publications), Kevin Drees (Professional Development), Jay McAllister (Accreditation and Standards), Julie Arendt, Amy Van Epps, Jentry E. Campbell

Daniela Solomon called the meeting to order at 3:40 pm.

APPROVAL OF 2021 EEC MINUTES

The EEC approved the 2021 extended executive committee meeting minutes; see ELD September 2021 for meeting minutes.

NEW BUSINESS/UPDATES

ELD History Project

The EEC discussed recording ELD history through oral, video, or written interviews. Zac Painter plans to start interviews in the fall of 2022.

New ELD Awards Proposal

The awards committee is drafting criteria for two new awards for ELD. The awards would be a rising stars award for up-and-coming librarians and a mid-career award. Once the criteria for each award are drafted, they will be sent to the EEC.

Mid-Year ELD Events

The EEC discussed a proposal for a new task force for mid-year ELD events from interest during the 2022 annual conference. These mid-year events will not take away from the annual conference program. Instead, they will focus on connecting with members who cannot make it to the annual conference and focus on topics relevant to ELD in shorter monthly topics. Going forward, the plan is to make mid-year events free or have a minimal cost and not take away funding that would be used for the annual conference. EEC approved this task force.

Awards and DEI Committee

EEC discussed the selection of the best conference paper and the best DEI paper and which committee should be taking on the work. The DEI and Awards Committee will work on the workflow of awards for the 2023 conference.

ELD EXTENDED EXECUTIVE COMMITTEE MEETING (CONT.)

ELD Digital Archive

The EEC discussed the ELD leadership digital archive and creating a working group to manage the OSF, including the documentation for committees and leadership. The OSF already has a page for scholarly communications, but in the future, the goal would be to have a page with information for all the committees. EEC also discussed changing the name from archive, but there was no suggested alternative at this time.

COMMITTEE REPORTS

Accreditation and Standards, Jay McAllister (Chair) - See business meeting notes. An upcoming project is a spreadsheet of engineering resources for starting a new program at a university. Proposed a sub-committee to work on the spreadsheet and then release it to ELD members.

Archives, Zac Painter (Chair) - Kari Mofford at the University of Massachusetts-Dartmouth is now an ELD member and has access to the archives. They are looking to digitize the ELD archives, which include conference programs and meeting minutes.

Awards, Erin Rowley (Chair) - Will send best publications award reminders throughout the year via email and the newsletter.

Communications, Denise Wetzel (Chair) - Reminders for newsletter content will be sent out on the 15th of the month before the newsletter comes out. Eric Schares will be taking on the ELD Twitter account.

Development, Julie Arendt (Member) - Looking to where the money for awards goes within the finance system in ASEE and how to roll the funds over and hold without penalty.

Diversity, Equity, and Inclusion, Sarah Lester (Chair) - Currently, the priority is the DEI statement that will be linked in the ELD bylaws.

Electronic Discussion Lists, Mel DeSart (Chair) - No report

Electronic Voting Administrator, Eric Schares (Chair) - Continues to work with current division chair on electronic voting.

Membership (not present) - Current ELD membership is 213 members.

Membership Directory, Paula Johnson (Chair) - Ongoing troubles with the ASEE system in receiving count of ELD members and working on start dates for all members this coming year.

Professional Development, Kevin Drees (Chair) - The professional development committee plans on a series of webinars this fall; each will be 1 hour long and on topics identified through the conference.

ELD EXTENDED EXECUTIVE COMMITTEE MEETING (CONT.)

Publications, Sara Over (Chair) – Sarah attended the feedback session on Slayte and passed along information on the ELD experience.

Scholarly Communications, Mel DeSart (Chair) - Open textbook resource is released to ELD before being released to the SciTech area. The scholarly communications committee has two open spots on the committee, and five people are interested in joining.

Webmaster, Marina Zhang (Chair) – Photos from previous ELD events are now on the website. The OSF is public and does not have a limit on file size. Encouraging conference presenters to submit presentations for the website. For 2021, less than half of the presentations were submitted.

2022 ASEE ANNUAL CONFERENCE FEEDBACK

All ASEE members that attended the 2022 conference will receive a \$50 discount on the 2023 conference due to the Slayte confusion and difficulties. Positive feedback included the open forum for new librarianship and that dietary restrictions were accommodated to the best of the Planning Committee's ability. Feedback for changes in next year's conference are purchasing Wi-Fi for ELD sessions and having ELD sessions located in the same building rather than moving between buildings.

2023 ASEE ANNUAL CONFERENCE PLANNING

The following list is the Conference Planning Committee for 2023: Amy Van Epps, Chelsea Leachman, Qianjin Zhang, Michelle Spence, Eric Schares, Kelly Durkin Ruth, John Napp, Kevin Drees, and Denice Lewis. The committee will send out a post-annual conference survey, and a call for papers will be available in the next newsletter or as soon as ASEE releases the calls.

The meeting was adjourned at 5:05 pm.

PUBLICATIONS COMMITTEE UPDATE

Welcome to another conference cycle year from the Publications Committee!

If you are interested in joining us in reviewing this year, please fill out the short yearly survey indicating your reviewing preferences: <https://forms.gle/giup4wq1cHZ7sbcG9>. This helps tremendously with assigning reviewers to submitted papers during the conference submission and review cycle. If you reviewed in the past couple of years, you may have already seen an email with this information at the end of August.

Also, if you are a newcomer to ELD and curious about our work and how reviewing works, you are welcome to fill out the survey to indicate your interest or to reach out to me at sover05@vt.edu.

Finally, everyone can look forward to a peer review overview and tips session before the review cycle starts for the 2023 conference!

AWARDS COMMITTEE UPDATE

Awards Committee
Erin Rowley, Chair

New for the ELD Awards Committee this year, we had the opportunity to review papers for conference divisional awards, namely the **Best Conference Paper and Best Diversity, Equity, and Inclusion (DEI) Conference Paper**.

Members from both the Awards Committee and DEI Committee worked together to review nominated papers and select the recipient of this year's **Best DEI Conference Paper from the Engineering Libraries Division**. The recipient of the 2022 Best DEI Conference Paper is "**High-Quality Text Descriptions of Visual Elements in Online Interactive Versions of Traditional Print Mechanical Engineering Textbooks**" by **Adrian Rodriguez, Oscar Rios, Ryan Barlow, and James Eakins**. All authors are affiliated with zyBooks, A Wiley Brand.

The paper aimed to define accessibility standards developed for textually describing visual elements in online interactive mechanical engineering textbooks. Members from both committees remarked that this well-structured paper clearly identified the issue and forged a clear path to resolution while still recognizing areas where additional research is needed. Many reviewers commented that the subject matter of studying and standardizing alt-text for visual elements in engineering textbooks is innovative and important work. This paper will benefit many users including those with vision impairments as well as those that require screen reader accommodations for other reasons.

In addition, **the Awards Committee selected the same paper as the recipient of Best Conference Paper from the ELD Division**. In addition to the clear equity and inclusion issues this paper addresses, the committee felt overall that the paper covers a topic that many libraries and universities are interested in and there are many opportunities for future research or projects in this area in the future.

Congratulations to Adrian, Oscar, Ryan, and James on their paper!

Are you submitting an abstract for the 2023 ASEE Conference in Baltimore or another conference? Or to a journal? Need help sorting through your ideas for a paper? Want to improve your chances of having your manuscript accepted for publication?

Try the FRIENDLY PAPER REVIEW SERVICE!! Your paper will be reviewed according to new review process guidelines. You will receive comments and suggestions for improving your paper. Contact Kevin Drees at kevin.drees@okstate.edu

Brought to you by the ELD Professional Development Committee (formerly Mentoring Committee)!

PROFESSIONAL DEVELOPMENT COMMITTEE UPDATE

I'm Kevin Drees, the chair of the ELD Professional Development Committee (formerly Mentoring Committee). What follows is an update on the previously announced ELD Committee Activity Webinar Series. On March 30, 2022, the introductory webinar for this series was held. The webinar provided ELD members the opportunity to become more familiar with ELD committees and their activities. The recording of that session is at <https://osf.io/6daxy/>. After this session and various discussions, the Professional Development Committee decided on a shift of the series, cancelling the series of 5 additional introduction to committee sessions scheduled and switching to provide other programming that could have broader appeal.

In place of those sessions, the Professional Development Committee plans the following webinar series for the 2022-2023 academic year. There are two sessions scheduled for fall 2022 and two for spring 2023. The first session will be **"Cool Tools from the ELD Scholarly Communication Committee" on Friday, September 23rd at 1pm eastern**. Members of the Scholarly Communication Committee will showcase 5 resources they have compiled to help ELD members when dealing with Open Access, OER, publication profiles, and more. Register today to learn more about: ELD Open Access Statement, Best Practices for Increasing the Visibility of an Individual, ELD Google Scholar Profile, Engineering and Applied Science Societies Open Access Policies Resource, and Open Textbooks in Engineering. Register for this upcoming workshop at https://washington.zoom.us/meeting/register/tJMIcuGuqj4pE9U9sM_K-lqRZuHTgh472f-m

The second session of the fall will be an introduction to standards at the beginning of November. The two currently planned sessions in 2023 will cover an introduction to patents and using Overleaf and LaTeX. Announcements for those webinars will follow as details are confirmed. Sessions may be recorded.

WEBMASTER COMMITTEE UPDATE

All ELD members are invited to self-nominate for election to the new Web Committee Chair/Webmaster. The duties of the Web Committee Chair/Webmaster shall include:

- Operating the ELD website using WordPress
- Posting ELD conference information, newsletters, and member directory
- Registering OSF Meetings webpages for self-depositing conference presentation slides and posters
- Initiating any fun projects

If you are not familiar with WordPress, I am happy to provide demos during the transition.

To self-nominate, please send an email to Marina Zhang (qianjin-zhang@uiowa.edu) by October 31, 2022. If you have any questions, please contact Marina Zhang.

Thank you,
Qianjin "Marina" Zhang (she/her/hers)

NEW MEMBER UPDATES

Hyunjung Lee joined the Engineering Library of Cornell University Library as the Engineering Research and Instruction Librarian on April 1, 2022. Hyunjung earned a Master of Science (M.S.) in Computational Sciences from Marquette University, an M.S. in Environmental Engineering from the University of Kansas, and a Bachelor of Science (B.S.) in Civil Engineering from Minnesota State University. Previously, Hyunjung served as a graduate research assistant and graduate teaching assistant at both Marquette University and the University of Kansas. In her role at the Engineering Library, Hyunjung will provide instruction, research and data support, and outreach. Her position is also part of the Business, Engineering, and Entrepreneurship team that works collaboratively to provide library support for University-wide entrepreneurship initiatives and library services to the Cornell Tech campus in New York City. She loves water activities, including swimming and scuba diving, but she also started to love biking on awesome trails in Ithaca, New York. Hyunjung can be contacted at hl867@cornell.edu.



Erica Newcome recently started as the **STEM and Interdisciplinary Research Librarian** for the Richter Library Learning & Research Services unit of the *University of Miami Libraries* in Coral Gables, FL. She is the liaison to the College of Engineering along with the departments of Chemistry, Computer Science, Mathematics, and Physics. In this position, she works collaboratively with librarians and campus partners to promote initiatives in support of scientific and interdisciplinary research at the University of Miami.

Before coming to the University of Miami, Erica worked for the Earth Sciences and Map Library at the University of California, Berkeley for 6 years. She received her BS in Conservation and Resource Studies from UC Berkeley and her MLIS from San Jose State University. Erica enjoys birdwatching and is excited to explore South Florida's birdwatching hotspots. Erica Newcome can be emailed at exn297@miami.edu.

NEW MEMBER UPDATES (CONT.)

Jentry Campbell is an **Engineering Librarian** at *Dartmouth College*. She is part of the Research & Learning team for STEM. She started this January after completing her MLIS at the University of British Columbia in December 2021. Prior to her MLIS, she completed her undergraduate degree at Hollins University in 2015. She is both a new librarian and a new engineering librarian, but she is eager to dig in to her new role. She has already had some success including starting a workshop series and meeting many faculty. Jentry is all ears for advice and tips! She attended the ELD conference in Minneapolis and looked forward to meeting more engineering librarians! Jentry can be contacted at Jentry.E.Campbell@Dartmouth.edu.



James Malin is the **Engineering and Science Librarian** at *The Cooper Union for the Advancement of Science and Art in New York City*. James is a liaison to the Albert Nerken School of Engineering. He considers this to be his first “librarian” position. Prior to November 2021, James was a Science Reference Associate at NYU’s Bobst Library for a little over four years. James earned his undergraduate degree in Art History at Lewis and Clark College in Portland, Oregon, and holds two master's degrees. His MSLIS is from the Palmer School at Long Island University, and in 2020 he completed an MA in Food Studies from NYU. James says that at NYU, he mostly worked with health sciences patrons, so engineering librarianship is brand new to him. “I’m really enjoying it so far and am excited to meet all of you at ASEE in June!” James can be contacted at james.malin@cooper.edu.

NEW MEMBER UPDATES (CONT.)

Yuening Zhang is the **Science and Engineering (STEM) Librarian** at *Kent State University* in Kent, Ohio. She has been at her current position for a little more than two years. Prior to her current position, she was a research services librarian for sciences at Case Western Reserve University in Cleveland, Ohio. Yuening obtained her MLS degree from Indiana University Bloomington, and her MS degree in chemistry from Michigan State University. She looks forward to meeting more friends and participating in more activities of ELD. Yuening can be contacted at yzhan121@kent.edu.



Dave Bloom is a **Science & Engineering Librarian**, serving on a team of Physical Science & Engineering librarians and as **Patent & Trademark Resource Center Representative** for the *University of Wisconsin-Madison*, primarily from Steenbock Library. He is also a member of their research data management team and a new coordinating team for evidence synthesis/systematic review projects. He's held this position since 2016. Previously, he spent three years as a Library Services Assistant at Wendt Commons Library, the former engineering library at University of Wisconsin-Madison. Prior to that, he worked many years as a technical writer in the brokerage industry. He has an MLIS from the University of Wisconsin-Milwaukee and a BA in English (Journalism minor) from the University of Wisconsin-Oshkosh. He is a drummer and music nerd, and worked with some colleagues a few years ago to sonify and perform Web of Science citation data as a performance piece. Dave can be contact at david.bloom@wisc.edu.

NEW MEMBER UPDATES (CONT.)

Akesha Horton works in The Luddy School of Informatics, Computing, and Engineering at *Indiana University*. She is the **Director of Curriculum and Instruction**. She supports faculty of every rank in the areas of course development, teaching effectiveness, learning assessment, and other faculty concerns. She has been in the position for five years now.

Akeshia holds a B.A. in Mathematics from Indiana University Northwest, a M.S. in Instructional Systems Technologies from Indiana University, Bloomington, and a Ph.D. in Curriculum, Teaching, & Educational Policy from College of Education - Michigan State University. She is a Fulbright Scholar in Australia, and will earn a M.S. in Library Science from the School of Informatics and Computing at Indiana University, Purdue University at Indianapolis in December 2022. Akesha can be contacted at akhorton@indiana.edu.



Leah DiCiesare is a new **STEM and Open Science Librarian** at the *University of Maryland, College Park*, having just started this past June. She works as the liaison to the Chemistry and Biochemistry, Chemical and Biomolecular Engineering, Bioengineering, and Materials Science and Engineering departments. In addition to her liaison duties, Leah researches and supports Open Science efforts in the library. This is Leah's first librarian position and she just graduated from the University of Illinois Urbana-Champaign with her MSLIS in May. At UIUC, she worked as a graduate assistant at the Grainger Engineering Library, which inspired her to go into STEM librarianship. Leah has a BA in History and International Studies from the University of Denver and finished writing her senior thesis on the economic aftermath of the Black Death in England during the early months of the pandemic in 2020. Currently, in her free time, Leah is enjoying exploring all that the DC-Maryland-Virginia area has to offer and hanging out with her beagle, Trigger. Leah can be contacted at leahd@umd.edu.