

ANNUAL REPORT
of the ACM Digital Library Board
For the Period: July 1, 2022 - June 30, 2023

Submitted by Jack Davidson, Digital Library Board Chair

1. BASIC INFORMATION

1.1 Members of the Board (List of board members, terms of office; begin with board chair)

- Jack Davidson (Chair), 01-Jul-2021 – 30-Jun-2024
- Phoebe Ayers, 20-Jul-2021 – 30-Jun-2024
- J. Stephen Downie, 26-Aug-2022 – 30-Jun-2025
- Michael Ley, 01-Jul-2021 – 30-Jun-2024
- Michael Nelson, 01-Jul-2021 – 30-Jun-2024
- George Neville-Neil, 05-Jul-2022 – 30-Jun-2025
- Natasha Noy, 05-Jul-2022 – 30-Jun-2025
- Cheri Pancake, 01-April-23- 30-Jun-2026
- Louiqa Raschid, 01-Sep-2021 – 30-June-2024
- Theo Schlossnagle, 19-Jul-2021 – 30-Jun-2024
- Harald Störrle, 24-Aug-2022 – 30-Jun-2025
- Julie Williamson, 20-Jul-2021 – 30-Jun-2024

1.2 Standing Committees (List of committee names, chairs, terms of office)

No standing committees in FY22.

1.3 Ad Hoc Committees (List of committee names, chairs, terms of office)

The ACM Digital Library Board currently does not have any ad hoc committees. Rather the DL Board is organized around projects that are led by DL Board member(s) and additional volunteers. These projects are called “Working Groups.” The working group projects are described in the next section.

2. PROJECT SUMMARY (List of all projects, of the Board or any of its committees, that have been active at any time during the calendar year.)

2.1 Market Research/Product Research. We have engaged with an organization, Delta Think, to conduct a large-scale survey and a series of in-depth interviews across our user base and beyond. Goals include, better understanding/establish a baseline of the current state of the DL as a product, build personas to represent our community and create a 3-5 year strategic plan. **Status: Ongoing.**

2.2 Data Quality/Article Types. We are working on a machine learning exercise with the Athena Research Center to identify and correct improperly categorized articles across the DL. The primary goal is to ensure all “research articles” are accurately tagged. **Status: Ongoing.**

2.3 Conference Archive Pages. A reorganization of the published works for a given conference now allows for the ease of identification of the “main” proceeding series, workshops and the

relationship between the conference and the workshops. Lead: Phoebe Ayers, Julie Williamson, Michael Ley. **Status: Completed.**

- 2.4 **Conference Landing Pages.** Improved conference landing page so key conference activities are easy to find. Leads: Phoebe Ayers and Julie Williamson. **Status: Ongoing.**
- 2.5 **Supplemental Materials.** Raise visibility, improve discoverability, ease of upload, and enhanced metadata. Lead: Natasha Noy. **Status: Ongoing.**
- 2.6 **Proceedings Production.** Evaluate/improve authoring/conference proceeding volunteer management experience. Template modifications, systems modifications. “Proceeding Summit” held at CHI’23 conference. Extend model across SIGs. Lead: Julie Williamson. **Status: Ongoing.**
- 2.7 **ACM COI Service.** Developing an ACM COI service for use by ACM volunteers. Building MVP. Lead: George Neville-Neil. **Status: Ongoing**
- 2.8 **Accessibility.** Improving accessibility in author templates and the DL. A combination of automated tools and interactive user testing with a continuing audit schedule. Lead: Julie Williamson. **Status: Ongoing.**
- 2.9 **Expand the DL Board.** Appointed five new members. **Status: Completed.**
- 2.10 **DL Advisory Board.** Define the scope and volunteer commitment. Populate the Advisory Board. Several individuals have accepted. **Status: Ongoing.**
- 2.11 **Ahead of Print.** Developed for CACM, a new XML first workflow will allow for articles to be made available in the DL well in advance of the printed issue and appear in both PDF and HTML. The workflow will be applied to other magazines in the future. **Status: Testing.**
- 2.12 **Overlay Books.** Expand the DL publishing/collection capabilities to include the ability to present previously published materials along with appropriate annotation and additional new materials along with links back to the original publications. Working with SIGGRAPH on a “Seminal Collection” of papers. **Status: Ongoing.**
- 2.13 **Teaching Materials.** Expand the DL content definitions to include teaching materials in support of the Open Educational Resources for computer science educators, in cooperation with SIGCSE and EngageCSEdu. **Status: Completed.**
- 2.14 **Proceedings Presentation.** Move proceedings to an XML storage/HTML display model. Provides viewing on most devices and provides active navigation, hyperlinks, and expanded accessibility. **Status: Ongoing.**
- 2.15 **Metrics.** Establish a core set of statistics across site activity, feature usage, published content. Determine viable statistics platform. Build dashboard prototype. **Status: Completed.**
- 2.16 **Reference Linking.** Improve reference linking process that speeds processing of new papers and uses Crossref to provide links to external material, which provides multidisciplinary coverage. Yielding 60 to 90% increase in reference linking. **Status: Completed.**
- 2.17 **Author Affiliation:** Improve author affiliation workflow using OrgDB. Evaluating alternative solutions. **Status: Ongoing.**

- 2.18 Author Curation Tool. Support authors claiming a publication so it is included in their profile, (“this is mine”), or removing a publication, (“this is not mine”). Results reflect on Author Profile page in real-time. **Status: Completed.**

3. DIVERSITY, EQUITY, & INCLUSION

We have strived to create a diverse DL Board. As we add new members, we are mindful of enhancing diversity—gender, time in career, ethnicity, geography, career position, etc. The DL Board working group model offers additional opportunities for diversity, equity, and inclusion. Our working mode—monthly standup meetings that include all Board member allow all Board members can weigh in on any project. Thus, all Board members are included in the operation of the Board.

4. COMMENTS

One of the production staff positions has been revamped to focus heavily on quality control. An additional part-time production position has been created and filled. Vendor workloads and procedures have been evaluated and adjusted where necessary. Recruiting is underway for an additional technical position with the DL Department.

5. PLANS

- 5.1 Develop a strategic plan for the DL. Build on top of the Marketing/Product research.
- 5.2 Work with DL platform provider Atypon to improve the search experience of users.
- 5.3 Initiate a project that uses the Collected Algorithms of the ACM to explore the use of software development tools such as git to support communities that are doing active development of software artifacts.’
- 5.4 Collaborate with volunteers to create a workflow to automate processing of artifact badges.
- 5.5 Develop a template and process for managing journal community web pages.