Annual Report of the Publications Board

For the Period July 1, 2018 – June 30, 2019

Submitted by: Jack W. Davidson and Joseph Konstan, co-Chairs
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I.   Strategic Vision & Directions

Publications is one of ACM's largest activities and lines of business. The Publications Board oversees a broad portfolio of activities including publishing journals, magazines, books, and conference and workshop proceedings (both together with ACM's SIGs and directly through the International Conference Proceedings Series); overseeing all publications policies, ethics and plagiarism cases, and author rights; and overseeing the ongoing development of the ACM Digital Library and the broad set of services it provides to scholars, authors, and institutions. The Publications Board is comprised of volunteers from the community and works in partnership with and is supported by ACM's publications staff, and by staff in other ACM units, as their activities relate to publications (e.g., Information Services, SIG Services, and Financial Services).

In all matters, the Publications Board seeks to maintain and strengthen ACM's position as the preferred publisher of computing research and to extend our reach to become a leading provider of advanced-level content and services for the broader computing industry. At the same time, the Board takes seriously its responsibility for the sustainability of ACM's publications program, working with ACM staff to ensure that ACM's publications and their related business models and pricing both remain competitive for subscribers and authors and generates sufficient revenue to sustain a responsible publishing operation.

To maintain and strengthen ACM's position as the preferred publisher of computing research, the Publications Board carries out a number of activities including: 1) Developing and launching new publications and content, or in some cases acquiring and onboarding high quality existing publications, in new, emerging technical areas as well as areas not currently covered by ACM's publication portfolio; 2) Developing and launching new services for our content producers (i.e., authors, reviewers, conferences, and journals), readers, and other users of the Digital Library; 3) Monitoring the health of both our publications and the ecosystem of authors, reviewers, editors/program committees, and readers; and 4) Monitoring publications business trends and adapting ACM's models and strategies to ensure the long-term viability of ACM's publication operations and the continued support of ACM's other, important activities.

A set of key needs shaped FY19:: 1) The need to renew the Publications Board itself; 2) The ongoing development and test deployment of the *DLnext* platform; 3) Increased subscriber interest in ensuring open access publication models (including bundling open access with subscriptions); 4) The need to update policies to address key issues around research ethics and quality; and 5) Weaknesses of our publications portfolio in critical areas of AI, Machine Learning, and more generally translational research content. As we look forward into FY20, we see an opportunity to address these needs and and t continue to provide ACM's members, authors, readers, and subscribers quality publication services.

II.   Summary of FY 2019 Major Activities and Actions

The Publications Board, supported by staff and the many volunteers engaged in our activities, has been active in FY19 across a number of key areas.

- **Digital Library** platform migration and enhancements. In addition to reviewing the progress of the migration to Literatum (including substantial testing of functionality and usability), the Board continues to look forward on issues of code storage, replicability (including alignment of ACM's replication badging with evolving community standards), and broader services including a technical report service (ideally in collaboration with ArXiv).
- **Policy Review, Revision, and Development** has been a significant effort as we have identified areas where our policy library was confusing, outdated, or not meeting the needs of the field. Policy revisions undertaken during the year including conflict-of-interest (which includes CoI in reviewing, and disclosure of relevant author CoIs), corrections and retractions, digital artifact publication/hosting, plagiarism (policy, procedures, and a new set of penalties), collaborative publishing arrangements, document retention (for submitted versions, reviews, etc.), and

author name changes. Many of these were completed in FY 2019, though some of the more complex ones are continuing consultation and revision into FY 2020.

- **Community Outreach** particularly focused at authors and reviewers. This activity includes the successful launch of *The Blue Diamond*, the publications newsletter (with significant positive feedback) and a major upgrade to the ACM Author Center. Thanks to the hiring of Achi Dosanjh, we have also been increasingly active in outreach to potential editors and book authors.
- **Publications Visibility and Impact.** ACM's research publications have high quality, but often lag in some of the metrics important to parts of our community. We are working to both increase the number of our publications given Impact Factors and to increase those factors. We are also working to improve placement of ACM publications on national lists (in particular the CCF rankings) in a manner that reflects their quality.
- **Balancing Publishing Objectives as Business Models Change.** ACM has become a leading publisher for much non-ACM content (including our successful International Conference Proceedings Series) while also publishing ACM's own journals, magazines, conferences, and books. We recognize the challenge that competitive pressures and specific community norms often create situations where the model we use with our own conferences and journals may not be competitive for outside entities. We are sensitive to give ACM's own content the best options, while also looking to sustain ACM as a whole through a diversified mix of publications products and revenue streams.
- **Reviewer Shortage, Imbalance, and Incentives.** We have launched a task force and study to explore reviewer motivation, incentives, and other issues related to the difficult challenge of obtaining ad hoc reviews for journals and conferences.
- **Significant Turnover.** We initiated reviews and searches for two key EiC positions: *ACM Books* and *ACM Computing Surveys* and look forward to working with the new editors to enhance these publications in FY 2020.

In FY19, the Board approved the following new publications:
- *ACM Transactions on Quantum Computing*, Editors-in-Chief Travis Humble (Oak Ridge National Laboratories) and Mingsheng Ying (Centre for Quantum Software and Information, University of Technology, Sydney Australia).
- *ACM Transactions on Evolunary Learning and Optimization,* Editors-in-Chief Juergen Branke (University of Warwick) and Darrell Whitley (University of Colorado).

III.   Basic Information

A.   Members of the Publications Board

A list of members of the Publications Board during FY19 is given in Table 1. Two new members were appointed to the Board during FY 2019.
- Nenad Medvidovic (University of Southern California). Neno is a professor in the CS Department of the Viterbi School of Engineering at USC. He serves as SGB liaison.
- Tulika Mitra (National University of Singapore). Tulika is a professor in the School of Computing at NUS. She is also co-chair of the New Publications Committee.

There were two retirements in FY2019: Edward Fox and Yannis Ioannidis.

Table 1. *Members of the ACM Publications Board with Roles and Appointment Dates*

Phoebe Ayers *(MIT)*	Original appointment: 08/01/17 – 07/31/20
Jack W. Davidson *(U. of Virginia)*	SGB Liaison: 04/01/07 – 06/30/10 Appointed Co-Chair 0 7/01/10 – 6/30/2022
Edward Fox *(Virginia Tech)*	Original appointment: 06/01/2018 – 05/31/2021 Appointed Co-Chair of the Digital Library Committee: 06/01/18 – 6/18/2019

Chris Hankin *(Imperial College)*	Original appointment: 07/16/18 – 06/30/20 Appointed co-Chair, Assessment & Search Committee: 07/16/18 – present
Xiang-Yang Li *(U. of Science and Technology)*	Original appointment: 01/16/18 – 12/31/20
Nenad Medvidovic *(USC)*	Original appointment: 09/13/18 – 09/12/21 Appointed SGB Liaison: 09/13/18 – 09/12/21
Sue Bok Moon *(KAIST School of Computing)*	Original appointment: 01/01/18 – 12/31/20
Joseph Konstan *(U. of Minnesota)*	SGB Liaison: 07/1/10 – 06/30/13 Appointed Co-Chair: 0 7/1/13 – 6/30/2022
Tulika Mitra *(NUS)*	Original appointment: 03/13/19 – 03/12/22 Appointed Co-Chair of the New Publications Committee – 01/08/18 – present
Michael Nelson *(Old Dominion University)*	Original appointment: 08/01/17 – 07/31/20 Appointed Co-Chair of the Digital Library Committee: 10/01/17 – present
Sharon Oviatt *(Monash University)*	Original appointment: 10/01/17 – 09/30/20 Appointed Chair of Assessment & Search Committee: 10/01/17 – present
Eugene Spafford *(Purdue University)*	Original appointment: 01/01/17 – 12/31/19 Appointed Chair of Ethics & Plagiarism Committee: 01/01/17 – present
Stephen Spencer *(U. of Washington)*	Original appointment: 09/01/15 – 08/31/18, extended to 6/30/2020 Reappointed: 09/01/18 - /0/30/20 Appointed Co - Chair of Conference Committee: 10/01/17 – present
Divesh Srivastava *(AT&T Labs)*	Original appointment: 07/01/18 – 06/30/21 Appointed Co - Chair of Assessment & Search Committee: 07/01/18 – present
Robert Walker *(Kent State University)*	Original appointment: 07/01/18 – 06/30/2021 Appointed Co - Chair of Conference Committee: 07/01/18 – present
Julie Williamson *(U. of Glasgow)*	Original appointment: 08/01/17 – 07/31/20

B.   Publications Board Meetings & Operations

In FY19, the Publications Board and HQ staff held three in person meetings (September 2018 in London, January/February 2019 in New York, and May 2019 in New York) and nine monthly conference calls.

Highlights of the in-person meetings include:

- ☐ A meeting with EiCs in London (allowing us closer access to our European EiCs) with presentation and discussion of Gold OA conversation paths for journals.
- ☐ A discussion of publishing trends with Ian Borthwick, Head of Publishing at the British Computer Society.
- ☐ Guest Speaker Vitek Tracz, entrepreneur and publisher of Faculty of 1000, about innovative community-based publishing and peer-review models.
- ☐ A full-day strategic review session focused on our portfolio of journals, including identifying weaknesses and opportunities among current publications and gaps and opportunities (facilitated by expert consultant Julia Wallace).
- ☐ Discussion and brainstorming with IEEE Publications Director Michael Forster (topics included a heavy focus on reviewer fatigue / reviewer imbalances).

IV. Committees & Project Updates

A. Conference Committee

Mandate

This Conference Committee considers the ACM's conference publication activities and policies. Working closely with the SGB and HQ staff, the Conference Committee works to improve the workflows associated with conference paper submission, open access options, reviewing, and conference program organization. The committee also considers policies and procedures for new conference artifacts such as videos of presentations, posters, demonstrations, code, and other supplementary materials.

FY19 Activities

The Conference Committee is working to identify key priorities. It has contributed to ACM policy updates (including the document retention policy), but has not become as integral as we had hoped in creating a nexus for conference publication issues. We will be reviewing structure, charge, and composition in FY20.

Committee Members

Donna Cappo, Koen de Bosschere, Jaudelice de Oliveira, Steven Feiner, Lance Fortnow, Mashudda Glencross, Joe Konstan, Crista Lopes, Sue Moon, Stephen Spencer (co-chair), Robert Walker (co-chair).

B. New Publications Committee

Mandate

The New Publications Committee's primary mandate is to realize the goal of making ACM the preferred publisher in computing through exploration of new publication titles covering the diverse landscape of computing. Towards this goal, the New Publication Committee evaluates submitted proposals for new publications, and the Committee proactively seeks to expand ACM's portfolio by identifying promising new areas and seeking qualified individuals to develop publications in those areas. After development of new title proposals, the committee provides the Publications Board with recommendations and actions regarding the proposal.

FY19 Activities

Sharon Oviatt, the New Publications Committee Co-chair, revised the proposal template and developed guidelines for proposers. The committee expanded and updated the members, with Sharon adding a co-chair Tulika Mitra, with the goal of reducing the number of iterations between the committee and the proposers. The committee developed goals to proactively improve the ACM journals publishing program by launching journals in important areas, which requires soliciting high-quality proposals and champions to lead them, as well as responding to and guiding unsolicited proposals from the community. The process includes acquisitions/mergers and working with the Assessment Committee to update and broaden the scope of existing journals.

In April 2019 the committee Identified, requested and received approval for funding from the Board for an NPC meeting early in 2020 together with more access to data analytics to help identify emerging trends.

Journals signed:
ACM Transactions in Evolutionary learning and optimization
ACM transactions in Quantum Computing

Current proposals in review are:
EngageCSedu: Out with various SIGS and committees
Games Review: With the EIC for consideration

Committee Members

Tulika Mitra (co-chair), Sharon Oviatt (co-chair), Phil Bernstein, Somesh Jha, Xiangyiang Li, Aidong Zhang, Steve Welch (up to September), Achi Dosanjh (from November onwards), Scott Delman, Laura Lander, Jack

Davidson, Joe Konstan. Advisors (Subhasish Mitra and new advisors Nikhil Dutt, Eric Horvitz)

C.   Digital Library Committee

Mandate
The Digital Library Committee is charged with developing overall strategic directions for the Digital Library publishing platform including new services and new features.

FY19 Activities
A major activity for FY19 has been the ongoing effort of migration of the existing ACM DL platform to Atypon. This effort has gone through several iterations from design images to beta launch. Community feedback has been collected along the way and either acted upon or placed within the short and long term roadmap and directions for the site.

A vision document has been circulated to the committee and will be used as the basis for future discussions and prioritizations.

The Beta version of the ACM DL, DLNext, was used as the subject of a panel at the JCDL 2019 conference. An exercise of data collection and interviews were used in preparation for this panel. The feedback from the data effort, as well as the comments given at the panel have been taken into account during this migration project.

A formal set of one-on-one interviews were conducted with a cross section of ACM DL Users on the DLNext platform. This work has resulted in a set of bugs, suggestions and enhancements, some of which have already been addressed, and others have helped shaped some near and long term goals around UX, accessibility and a variety of new DL concepts, (better representation of SIGs and Conferences, the surfacing of people and the relationship of artifacts to the overall corpus). This project will continue into the next year and has already pointed out a few key features that will help achieve the overall vision of the ACM DL.

Committee Members
Michael Nelson, Phoebe Ayers, Julie Williamson, Wayne Graves, Asad Ali

D.   Assessment and Search Committee

Mandate
The Assessment and Search Committee members assess journals towards the end of each EIC term and make recommendations to the Publications Board regarding reappointments and new searches. Assessments are based on survey feedback from current EICs, SIG Chairs, Associate Editors, and other stakeholders, as well as quantitative data on the journal submission and publication pipeline. When a new search is conducted, the Assessment and Search committee members consult with stakeholders to identify a search committee chair and potential committee members to serve as liaison between the search committee and the Publications Board.

FY19 Activities

In FY19, the Assessment and Search Committee completed assessments and searches for 19 journals, as well as ACM Books and ICPS. Twelve new EiCs were appointed and nine existing EiCs were reappointed.

New EiC Appointments FY'19*		
Journal	**EiC Name**	**Term Start**
ACM Books	Sanjiva Prasad	5/1/2019
ICPS	Azzedine Boukerche	8/1/2019
JETC	Ramesh Karri	8/1/2019
JOCCH	Franco Nicolucci	9/1/2018
TACCESS	Stephanie Ludi & Tiago Guerrerio	9/1/2018
TALLIP	Imed Zitouni	9/1/2019
TOCHI	Kristina Höök	11/1/2018
TOIT	Ling Liu	12/1/2018
TOMS	Zhaojun Bai & Wolfgang Bangerth	9/1/2018
TOPC	David Bader	11/1/2018
TOSEM	Mauro Pezze	1/1/2019
TRETS	Deming Chen	3/1/2019
Reappointments FY'19		
JACM	Eva Tardos	10/1/2018
JEA	Gonzalo Navarro	7/1/2019
TiiS	Michelle Zhou	1/31/2019
TOCE	Chris Hundhausen	9/1/2018
TOCL	Orna Kupferman	7/1/2018
TOCS	Michael Swift	11/1/2018
TOG	Marc Alexa	7/1/2018
TOMACS	Francesco Quaglia	9/1/2019
TOPS	David Basin	10/1/2018
Note: Some terms began in FY'20, but the assessments and searches were conducted in FY'19		

Committee Members
Chris Hankin (co-chair), Divesh Srivastava (co-chair), Holly Rushmeier, Adrian Scoica, Josh Tenenberg, Louiqa Raschid, XiangYang Li, Jack Davidson, Joe Konstan, Laura Lander, Diane Crawford, Scott Delman

E.   Ethics & Plagiarism Committee

Mandate
The ACM Publications Board's Ethics and Plagiarism Committee handles all plagiarism cases and issues dealing with professional ethics in publishing including conflicts of interest, authorship, and allegations of research misconduct. The Committee develops policies and practices to ensure the integrity of the scholarly

record. The Committee places the investigation of claims of plagiarism at the highest priority for resolution and action. The basics are outlined here http://www.acm.org/publications/policies/plagiarism-overview and specific details of all aspects of reporting and investigating claims, and penalties for plagiarism are found here.

FY19 Activities
In addition to handling numerous plagiarism cases and a case involving an allegation of data fabrication, the Committee has developed a conflict-of-interest policy regarding review and processes and updated the plagiarism policy.

YEAR	Ethics Opened	Plagiarism Opened	Plagiarism and Ethics Opened	Ethics Closed	Plagiarism Closed	Plagiarism and Ethics Closed
2016	2	0	0	0	0	0
2017	8	10	1	7	5	1
2018	6	3	2	4	9	1
2019	12	20	3	10	19	1

Committee Members
Andrew Adams, Jack Davidson, Scott Delman, Simson Garfinkel, Diana Kelley, Joe Konstan, Michael Kirkpatrick, Eugene Spafford (chair), Julie Williamson, Jenny Waycott.

F.   Business Working Group

Mandate
The Business Working Group's (BWG) mandate is to ensure the continued financial stability of ACM's Publications program and its continued support of ACM activities. Toward that goal, the Business Working Group advises on strategies related to the financial aspects of ACM's publication program, including operational costs, revenue structures, and the funding levels of new initiatives.

FY19 Activities
The Group has continued to discuss the development of a financially sustainable business model to well-position ACM in an "Open Access" publishing landscape. "Open Access" refers to a growing movement in scholarly publishing to make content freely available to the public by transferring costs away from the traditional subscription (or "pay to read") model. Such publication costs would be transferred from the "reader" to the "author," or to the institution supporting the author (university, funding organization, etc.). With the guidance of the BWG, a business model has been developed to transfer publishing costs to ACM's publishing constituents in an "Open Access" environment, and ACM staff is currently engaging the institutional market with this approach.

Committee Members
Joe Konstan (chair), Jack Davidson, Joshua Horowitz, Darren Ramdin, Pat Ryan, Scott Delman, Liz Zhang

V.   ACM Publications Portfolio

ACM is currently the publisher of 92 active periodicals, including 54 journals and transactions, 7 magazines, 31 newsletters, and a new series of advanced-level books called *ACM Books*.

During FY19, ACM added 671 volumes of conference and related workshop proceedings to its portfolio; this included 282 volumes added to ACM's *International Conference Proceedings Series (ICPS)*, a 14% increase over FY 2018.

ACM Books launched in 2014, with Ebooks available for both institutional and individual purchase, and print-on- demand

books available for sale to individuals. ACM Books published six new titles in FY 2019, and signed publishing agreements for six additional titles.

VI.   ACM Digital Library

While ACM continues to print many of its journals and other publications, the ACM Digital Library (DL) continues to be the primary channel for delivering and reading ACM publications worldwide. In FY 2019, there were 18.3 million full-text downloads from the ACM DL. ACM staff estimates between 2–4 million users. During FY19, 34,000 full- text articles were added to the ACM DL, bringing ACM's total DL holdings to 516,000 full-text articles. Of the roughly 34,000 full-text articles added to the DL in FY 2019, it is estimated that approximately 20,000 of these are full-length peer-reviewed research articles.

ACM's *Guide to Computing Literature* is integrated with the ACM Digital Library, providing an increasingly comprehensive and freely available index to the top-tier literature of computing. During FY19, approximately 95,000 works were added to the bibliographic database, bringing the total Guide coverage to 2.90 million works. Capturing article references in the database is important, because these references are necessary to develop robust citation statistics. ACM continues to expand the number of articles from which this data is captured.

Recent growth is as follows:

Year	Total References	Resolved in Guide
2008	6.3M	2.2M
2009	7.8M	2.8M
2010	9.8M	3.4M
2011	13.1M	4.7M
2012	16.8M	6.0M
2013	18.9M	6.7M
2014	20.8M	8.4M
2015	23.5M	9.2M
2016	25.9M	10.4M
2017	28.8M	11.4M
2018	31.6M	12.5M
2019	33.0M	13.0M

As one of the leading full-text and bibliographic databases of scholarly information for the computing community, the DL is widely accessible to individuals and institutions around the world. Out of ACM's roughly 95,000 individual members (including students), approximately 27,000 subscribed to the DL in FY19.

The majority of ACM DL revenues continue to come from institutional subscriptions. At the close of FY19, the ACM DL is available at roughly 2,800 institutions around the world, including 189 government and corporate institutions. Mature markets in the United States, Europe, and East Asia continue to drive steady growth from increased institutional participation and annually increased renewal rates, and significant new business growth came from a new national license from Russia and particularly strong academic market growth in India. Corporate and government markets continue to be key areas for new business with a notable increase in interest and participation from the financial sector.

Pressure from international funding bodies, institutions and individuals has led to widespread calls for publishers to adopt an "Open Access" business model in which research content is made freely available to read by the general public. In such a model, publishing revenues would not come from institutional subscriptions to gain access for readers, but rather from the authors, their institutions and from funding bodies to make the research content "open" to the world. ACM is actively engaged with key academic stakeholders in the United States and abroad to continue this evolving conversation. In the meantime, ACM continues to credit net revenues from article-based Open Access fees to academic libraries renewing their DL subscriptions the following year, and to gradually redistribute subscription costs via annual renewals so that the most research-intensive institutions are paying a more proportionate amount.

VII.   ACM Magazines

ACM publishes seven magazine titles (https://dl.acm.org/mags.cfm). In FY19, content from ACM's magazines continued to generate an enormous number of downloads from the ACM Digital Library. Moreover, all print magazines include a Digital Edition as well as mobile apps that offer magazine content on a variety of devices and bring content to widespread audiences.

Foremost among the magazines is ACM's flagship, *Communications of the ACM*. Over 2.35 million *Communications* articles were downloaded in FY19 from the ACM Digital Library. In addition, *Communication*'s online presence shares content on a global scale. In FY2019, traffic on cacm.acm.org site grew to 1.05 million users to over 3.6 million pageviews. Its mobile site recorded over 223,500 users and 743,000 pageviews.

Other ACM magazines also continue to draw impressive, far-reaching audiences online. In FY19, *Ubiquity*, an online-only publication devoted to advancing critical analysis and commentary on issues linked to the profession of IT, recorded 514,765 DL downloads, more than 380,250 pageviews and over 243,350 users. *eLearn* magazine—ACM's online publication for e-learning research and practice—logged over 369,000 downloads, 223,850 pageviews, and 97,225 users. *Interactions* magazine, covering disciplines within the human-computer interaction community, recorded 127,480 downloads, 325,920 pageviews, and 171,532 users. *XRDS*, the official quarterly magazine for ACM student members, attracted over 62,200 users and 108,000 pageviews.

The ACM Publications Board unanimously appointed Margaret Hamilton and James Harland, both of RMIT University in Melbourne, Australia, as co-Editors-in-Chief of *ACM Inroads*, the quarterly magazine for computing educators worldwide. Hamilton and Harland's vision for the magazine is to increase the range and diversity of articles, with a particular emphasis on the Asia-Pacific regions, as well as provide more coverage of topics such as disruptive technologies, ethical issues, and the social aspects of IT.

ACM's online magazine, *Computers in Entertainment (CIE)*, ended its 15-year run on December 28, 2018. *CIE*'s entire website content has been archived (https://cie.acm.org/) and is available from the Digital Library along with almost 50 volumes of the *CIE* journal (https://dl.acm.org/citation.cfm?id=J912&picked=prox).

VIII.   ACM Books

The ACM Books program started in 2014 in response to a lack of moderately priced, high-quality computer science books caused by consolidation among commercial publishers. The series focuses on four types of books: graduate-level textbooks, practitioner-oriented professional books, research monographs in established and emerging fields, and books devoted to the history and social impact of computing.

2019 has seen the completion of ACM Books Collection I (25 titles) and start of Collection II (3 titles to date) with several notable titles including:

- *The VR Book: Human-Centered Design for Virtual Reality*, by Jason Jerald
- *Text Data Management and Analysis*, by ChengXiang Zhai and Sean Massung
- *The Essentials of Modern Software Engineering*, by Ivar Jacobson et al.

Nearly 175 ACM Books collections have been sold to institutions, with individual titles being made available to consumers via major online retailers. All ACM Books content is also available to ACM members for an annual fee. To date more than 2,000 ACM member subscriptions have been placed. Tamer Ozsu as founding editor of ACM Books stepped down in his role in spring 2019, and in May 2019 our new EIC Sanjiva Prasad became Editor-in-Chief of ACM Books.

IX.   International Conference Proceeding Series (ICPS)

The ACM International Conference Proceedings (ICPS) continues to grow at a steady rate. We have seen an increasing number of repeat applications for conferences and a few new conferences which were previously published by other organizations; these are good indicators of the satisfaction of the community with the ICPS service. ACM has evaluated the

ICPS business model to ensure the program is (self-)sustainable. In order to become more transparent regarding our pricing model, we have published the itemized costs to publish a proceedings volume in the program.

For FY19, we have also established a formal publishing agreement between the conference organizers and ACM and ICPS Open Access. ICPS Open Access is similar to and relies on the ACM OpenToC and OpenSurround technologies our sponsored proceedings are entitled to. The additional revenue generate will help ensure that the ICPS program is self-sustainable.

ICPS produced 282 proceedings volumes and over 10,000 articles from 48 countries outside the United States in FY19. More than 1.1M DL downloads of, roughly 6% of the total DL downloads, were attributed to ICPS published articles. In addition to the 282 published volumes an additional 69 were rejected.

X.   ACM's New Production Workflow

The first half of FY19 was devoted to the latter testing stages of the new production workflow, which included and focused on the new, master Word authoring templates and TAPS (The ACM Production System.) Members of both the SIG and journal author communities volunteered to test the templates, TAPS, and the production workflow documentation/instructions. Their feedback was incorporated before its controlled release to select conferences in January of 2019.

To best introduce the new workflow and its benefits to the conference community, the first conference proceedings to be processed using the new workflow were the WWW19 main and companion volumes, as it required an accessible-for-all output (HTML.) Simultaneously, CHI19 main and extended abstract volumes completed a hybrid process where only the HTML output was produced by the new production workflow, allowing our largest MS Word-using authoring community (SIGCHI) to experience the benefits of adopting the new production workflow.

Since the successful introduction, Staff were contacted by additional conferences (TVX19, ECCE19, dg.o19, and SIGUCCS19) to be part of the first groups to have their proceedings use the new production process, and since then another ten conferences have either completed their proceedings using new workflow or are currently in process. These conference proceedings are a mix of conference chair-managed as well as vendor-managed. We will continue to reach out to ACM's other conferences as we work toward full adaptation by all conferences over the next two years.

Recently, the new production workflow was also extended to the journal community. The HTML output for journal articles started to be supplied prior to FY19, but it wasn't until recently that the new master Word templates were made available for journal authors to use. Although the journal authors do not interact with TAPS, they are now using the master Word templates for submission. This step brings us closer to eventually retiring the interim Word template.

Staff continues to collect feedback from our author community and updates the workflow, templates, and TAPS as needed. The master template and production workflow make a concerted effort to encourage authors to submit alt text with their papers so that the outputs are as accessible as possible for all.