

Position Statement

Jeremy Gibbons Open Access Workshop, L'Aquila, July 2020

1. About me

- 20 years as *University of Oxford*, now *Professor of Computing*
- researcher in *programming languages*
- Editor-in-Chief of Journal of Functional Programming
- Editorial Board of (*Programming*)
- Editorial Board of *Compositionality*
- recently (Past) Vice Chair of ACM SIGPLAN



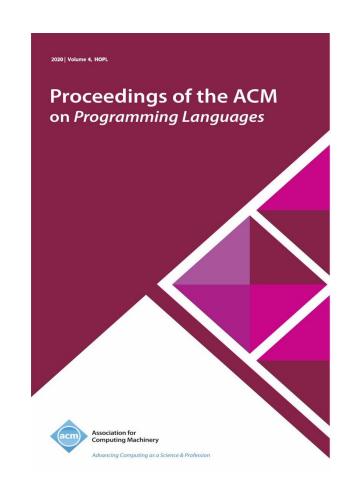
2. PACMPL

Association for Computing Machinery is oldest and biggest CS scientific society: >170 conferences, >50 journals.

Confs with *full papers* (16K words), *2-phase review*. Some jurisdictions recognize *only journals*. Therefore, treat these *proceedings as journals*.

SIGPLAN pressured for PACMPL to be *Gold OA*. ACM agreed to a *reduced APC* (US\$400). APC *underwritten* by SIGPLAN.

PACMPL publishes POPL, ICFP, OOPSLA, HOPL.



OA, Plan-S, etc

3. ACM Open

Transformative model for OA: flip from subscription to read & publish.

~2700 *subscribing institutions*, but only ~1000 *authoring institutions*. Aim to maintain same revenue.

Ten *tiers*, based on number of publications pa. Tier 1 (75+ publications): US\$100K pa. Tier 10 (0-3 publications): US\$8K pa (*tapering* to \$0 as %OA increases).

Now 32 participating institutions, and "the goal* of opening the DL within five years."



ACM Signs New Open Access Agreements with Four Leading Universities

ACM entered into transformative open access agreements with several of its largest institutional customers, including the University of California, Carnegie Mellon University, Massachusetts Institute of Technology, and Iowa State University. The agreements cover both access to and open access publication in ACM's journals, proceedings and magazines for these universities.

OA, Plan-S, etc

4. (Programming)

Conference with *journal-first* publication. All authors in a year *invited to present*.

Associated conference evolved from Aspect-Oriented Software Development and Modularity conferences.

Diamond OA, underwritten by AOSA. Implemented as an arXiv.org overlay. Now indexed by Scopus.

The Art, Science, and Engineering of Programming

1 Upcoming Submission Deadline: June 1, 2020

The Programming Journal

The Art, Science, and Engineering of Programming was created with the goal of placing the wonderful art of programming in the map of scholarly works. Many academic journals and conferences exist that publish research related to programming, starting with programming languages, software engineering, and expanding to the whole Computer Science field. Yet, many of us feel that, as the field of Computer Science expanded, programming, in itself, has been neglected to a secondary role not worthy of scholarly attention. That is a serious gap, as much of the progress in Computer Science lies on the basis of computer programs, the people who write them, and the concepts and tools available to them to express computational tasks.

The Art, Science, and Engineering of Programming aims at closing this gap by focusing primarily on programming: the art itself (programming styles, pearls, models, languages), the emerging science of understanding what works and what doesn't work in general and in specific contexts, as well as more established engineering and mathematical perspectives.

Here are some of the highlights of this new journal:

- <u>Diamond</u> open access, free-of-charge to authors. The articles are
 accessible to everyone, forever, and the authors don't need to pay any
 fee. We are able to do this, because everyone involved in the operation
 of this journal does it on a voluntary, unpaid basis, and also because
 the journal's owner, the non-profit AOSA, is able to cover the
 remaining operating costs.
- All articles are published under a Creative Commons license.
- The journal is an overlay on arXiv, meaning that we upload all articles to arXiv as a long-term storage system. Additionally, we also store the papers on servers at the Vrije Universiteit Brussel, Belgium, at the University of California, Irvine, USA, and the Hasso Plattner Institute at the University of Potsdam, Germany.
- Papers can be submitted at any time, but submissions are batched and processed in cycles with strict deadlines for reviewers, authors, and editors. We start with three cycles per year, but may consider increasing it in the future.
- Speed: four months between the the start of the reviewing cycles and publication.
- Strong social media presence, and association with the (Programming conference @ for broad dissimination of the papers.

Submit! Ø

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The Journal

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Purpose and
Operation
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Volumes

Issues

Volume 5, Issue 1 Volume 4, Issue 3 Volume 4, Issue 2 Volume 3, Essays Volume 3, Issue 3 Volume 3, Issue 3 Volume 3, Issue 2 Volume 2, Issue 3 Volume 2, Issue 2 Volume 1, Issue 1 Volume 1, Issue 2

For Authors

Call for Papers Timeline Submissions Copyright

Article feed (atom) Article feed (RSS)



5. Compositionality

Journal of Applied Category Theory.

Loose association with eponymous conference.

Diamond OA, underwritten by donor. Implemented as an arXiv.org overlay.



Compositionality describes and quantifies how

complex things can be assembled out of simpler parts. Compositionality (ISSN 2631-4444) is an open-access, arXiv-overlay journal for research using compositional ideas in any discipline. For more information, see About.

VOLUME 2	
Issue 2: Assignments to sheaves of pseudometric spaces	
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Issue 1: Distributive laws for Lawvere theories	
Eugenia Cheng	abstract pdf

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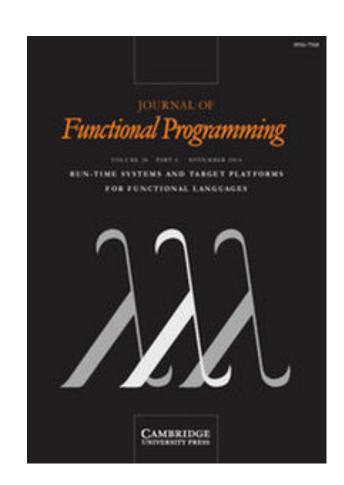
6. Journal of Functional Programming

Published by Cambridge University Press.

Established 1991. Online-only since 2015.

Currently *Green OA*. High *hybrid APC* (£1985/US\$3160).

Exploring *flipping to Gold OA*, underwritten by corporate sponsorship.



7. Coalition-S and Plan-S

Coalition-S is an *international consortium of* research funders (ERC, WHO, UKRI, NWO, FWF...).

Plan-S applies to all research they fund:

- from *January 2021*
- authors retain copyright
- immediately available, *no embargo*
- primarily *journal articles*
- hybrid OA not supported...
- except in a transformative agreement



Part I: The Plan S Principles

"With effect from 2021", all scholarly publications on the results from research funded by public or private grants provided by national, regional and international research councils and funding bodies must be published in Open Access Journals on Open Access Platforms, or made immediately available through Open Access Repositories without

01 Authors or their institutions retain copyright to their publications. All publications must be published under an open license, preferably the Creative Commons Attribution license (CC BY), in order to fulfil the requirements defined by the Berlin Declaration;

02 The Funders will develop robust criteria and requirements for the services that high-quality Open Access journals, Open Access platforms, and Open

In cases where high-quality Open Access journals or platforms do not yet exist, the Funders will, in a coordinated way, provide incentives to establish and support them when appropriate; support will also be provided for Open Access infrastructures where necessary:

04 Where applicable, Open Access publication fees are covered by the Funders or research institutions, not by individual researchers; it is acknowledged that all researchers should be able to publish their work Open Access;

05 The Funders support the diversity of business models for Open Access journals and platforms. When Open Access publication fees are applied, they must be commensurate with the publication services delivered and the structure of such fees must be transparent to inform the market and funders potentia standardisation and capping of payments of fees:

06 The Funders encourage governments universities, research organisations, libraries, academies, and learned societies to align their strategies policies, and practices, notably to ensure transparency.

7 The above principles shall apply to all types of scholarly publications, but it is understood that the timeline to achieve Open Access for monographs and book chapters will be longer and requires a separate and

08 The Funders do not support the 'hybrid' model of publishing. However, as a transitional pathway towards full Open Access within a clearly defined timeframe, and only as part of transformative supporting such arrangements;

The Funders will monitor compliance and sanction non-compliant beneficiaries/grantees;

research outputs during funding decisions they will value the intrinsic merit of the work and not consider the publication channel, its impact factor (or other journal

8. Left behind?

I believe that open access is a *Good Thing*.

Publicly-funded research should be publicly accessible, not locked behind a corporate paywall.

Publishers add some value, but much less than they used to: no longer necessary, for *production*, *dissemination*, or *preservation*.

But publication supports scholarly societies too.

They are important to society, and should be maintained.

So APCs or R&P a necessary cost. Waivers for low-income countries.

But what about unfunded researchers in wealthy countries?