

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*



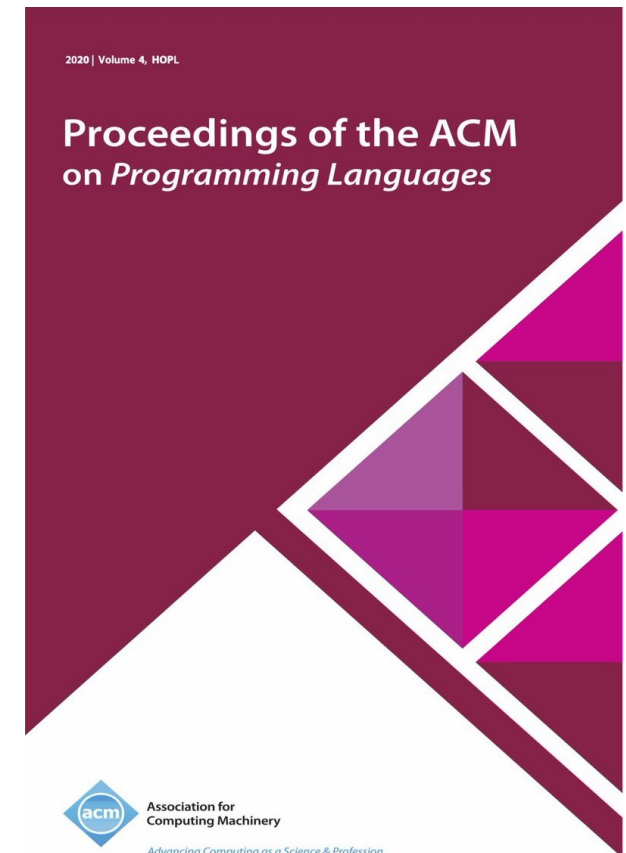
2. PACMPL

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*.



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.

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

Upcoming Submission Deadline: June 1, 2020

The Journal

[About](#)
[Purpose and Operation](#)
[Boards](#)
[Awards](#)
[Publisher](#)
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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:

- **Diamond** 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 dissemination of the papers.

[Submit!](#)

Issues

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5. Compositionality

Journal of *Applied Category Theory*.

Loose association with eponymous conference.

Diamond OA, underwritten by donor.

Implemented as an arXiv.org *overlay*.



PAPERSABOUTEDITORIAL POLICIESFOR AUTHORSFOR REVIEWERS

COMPOSITIONALITY

THE OPEN-ACCESS JOURNAL FOR THE MATHEMATICS OF COMPOSITION

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](#).

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6. Journal of Functional Programming

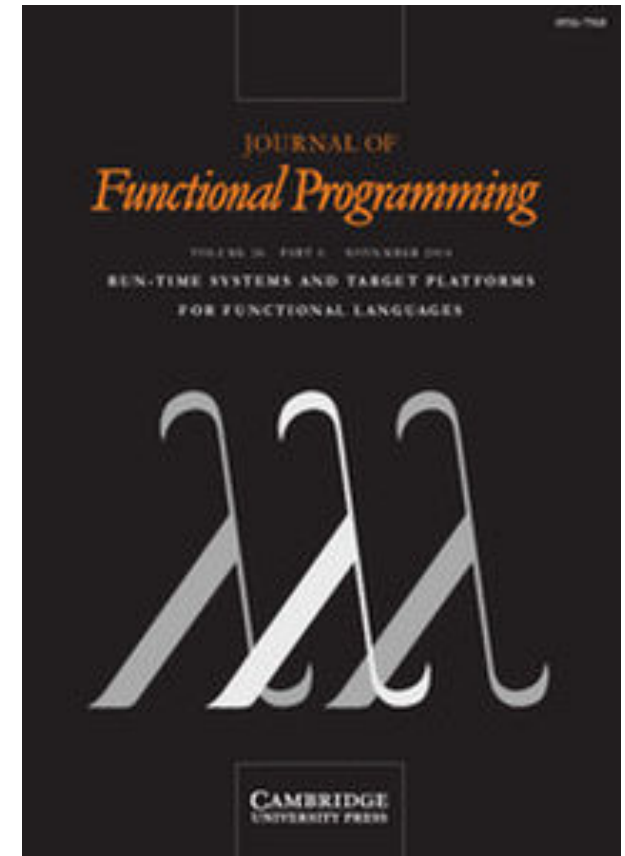
Published by *Cambridge University Press*.

Established 1991. *Online-only* since 2015.

Currently *Green OA*.

High *hybrid APC* (£1985/US\$3160).

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

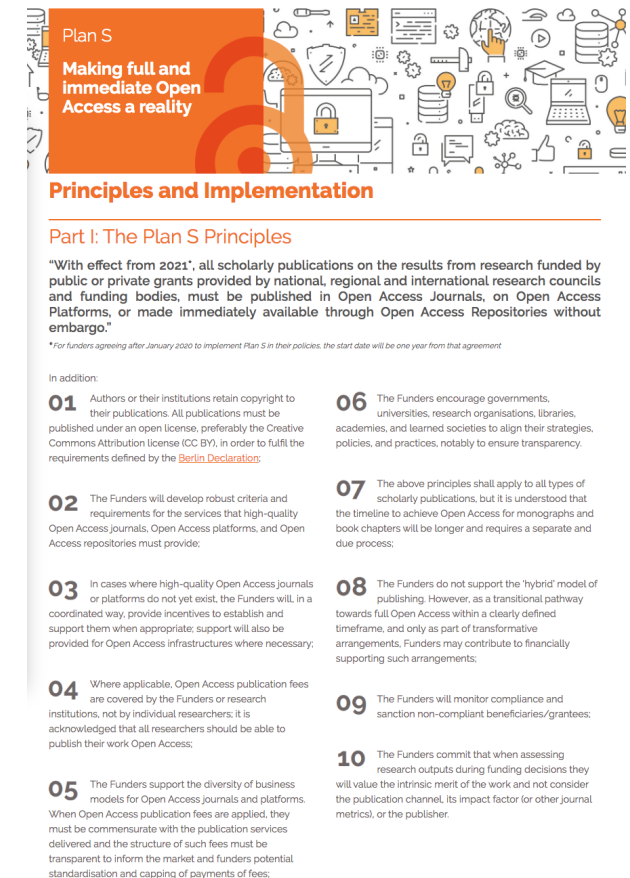


7. Coalition-S and Plan-S

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*



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?