

Dr. Marc Herbstritt

Schloss Dagstuhl – Leibniz-Zentrum für Informatik

No free lunch?! Informatik und OpenAccess

**Open-Access-Tage 2011 – Regensburg
Workshop Fachkultur „Informatik“**

04. Oktober 2011



Dr. Marc Herbstritt, Schloss Dagstuhl – Leibniz-Zentrum für Informatik, OpenAccess-Tage 2011, 04. Oktober 2011, Regensburg



Publikationskultur in der Informatik (1/2)

- ▶ Zeitschriften vs. Konferenzen
 - ▶ Konferenzen haben höheren Stellenwert
 - ▶ *time-to-market*: bei Konferenzen kürzer als bei Zeitschriften
 - ▶ Zeitschrift: Kumulierte/überarbeitete Konferenzpublikation(en)
 - ▶ Schnellebigkeit der Forschungsthemen bedarf kurzer Publikationszyklen, aber: Spannungsfeld: Theorie vs. anwendungsorientierte Forschung
- ▶ Konferenzen: jährlich, Deadline-orientiert
 - ▶ Contra: *Delta-Publishing*, starker Wettbewerb (geringe *acceptance rate* → “hohe“ Qualität)
 - ▶ Pro: wissenschaftlicher Austausch vor Ort, Klärung von Details, wissenschaftlicher Kontext anderer Teilnehmer

Publikationskultur in der Informatik (2/2)

▶ Big Player

- ▶ Springer (Lecture Notes in Computer Science LNCS)
- ▶ Elsevier (Journals)
- ▶ ACM
- ▶ IEEE

▶ OpenAccess Venues

- ▶ OA-Zeitschriften/-Proceedingsserien unterschiedlicher Couleur
- ▶ arXiv.org/CoRR (U Cornell): etabliert als Pre-Print-Server
- ▶ arxiv.org (U Cornell): technisches Overlay für peer-reviewed Zeitschriften/Konferenzen

▶ Impact Factor?

- ▶ Thomson Reuters: Conference Proceedings Citation Index

OA Umfrage in Schloss Dagstuhl

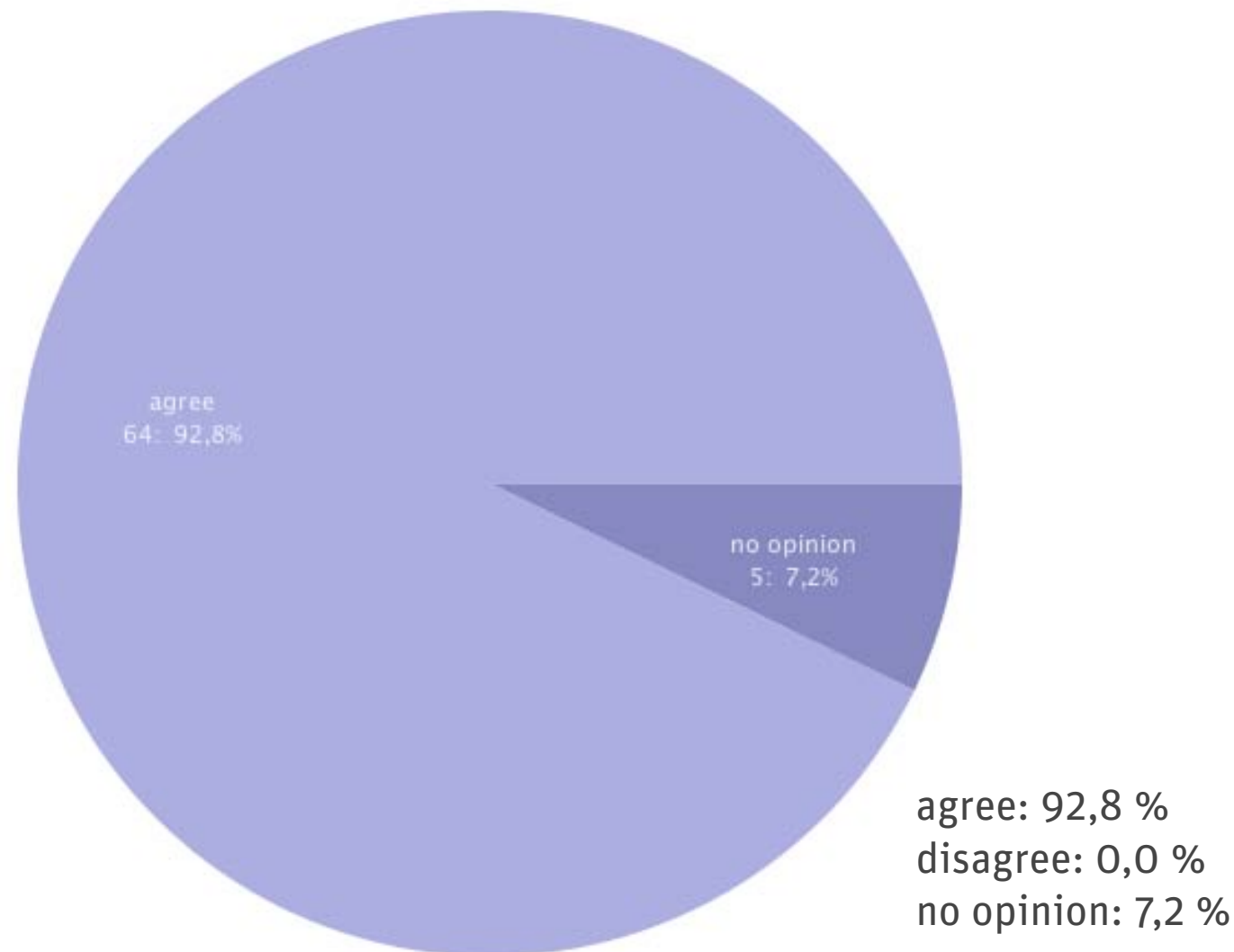


[illegible]

OA Umfrage – Sinnhaftigkeit (1/2)

Frage

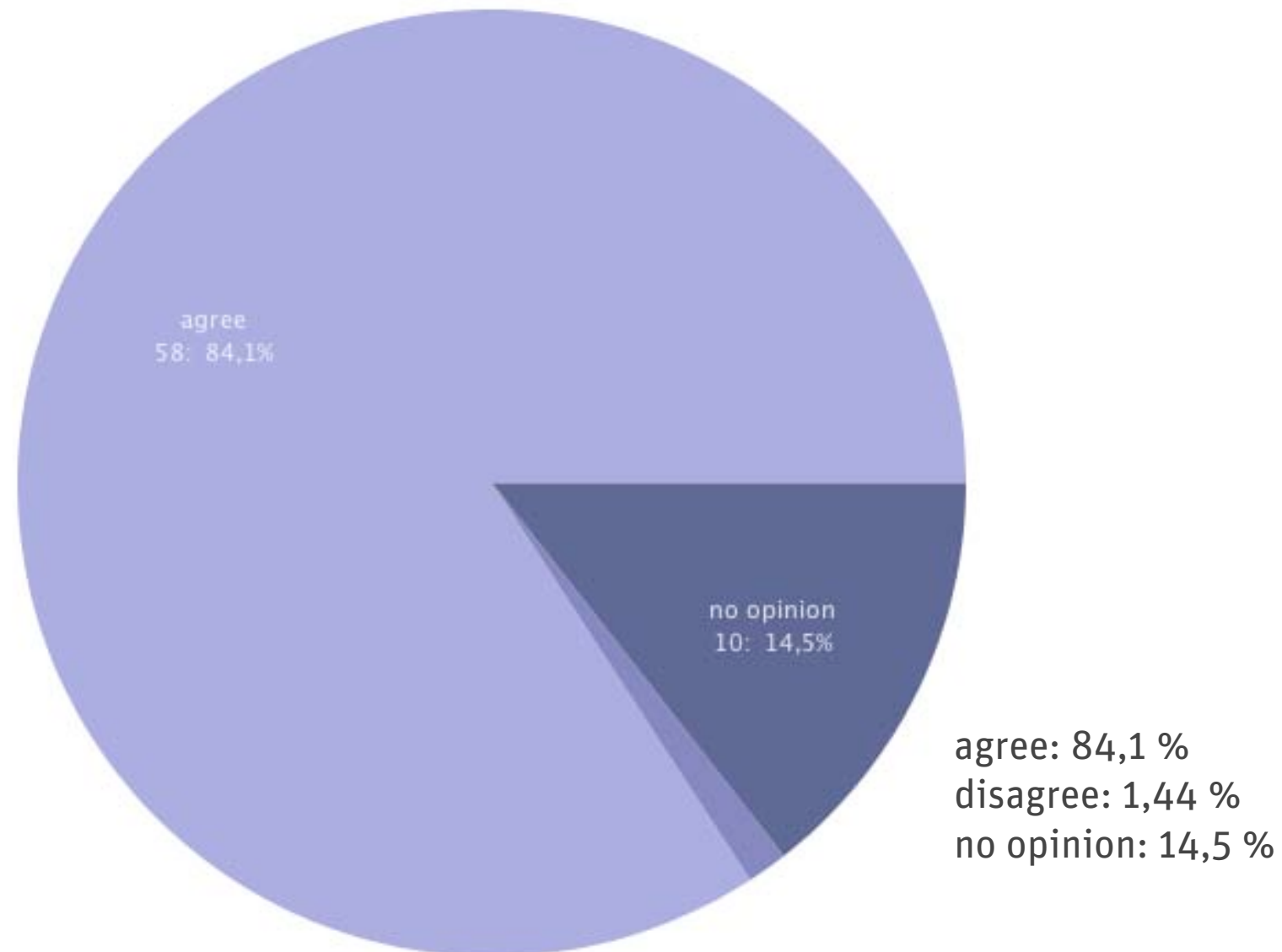
Do you agree with the statement „Publications as results from publicly funded research should be available free of charge to the reader on the internet“?



OA Umfrage – Sinnhaftigkeit (2/2)

Frage

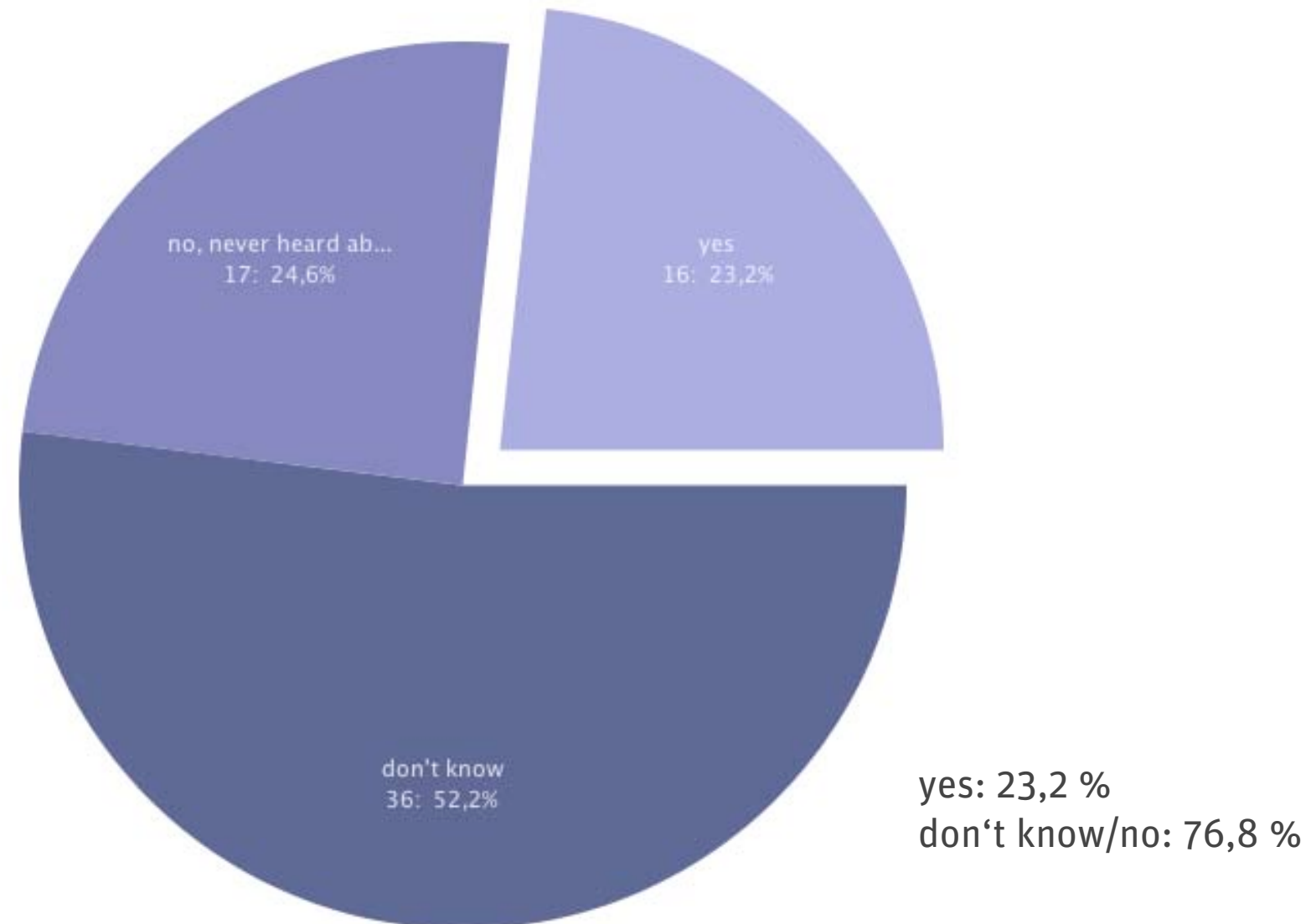
Do you think that OpenAccess improves the dissemination of scientific publications?



OA Umfrage – Wissen über OA-Initiativen

Frage

Do you know about OpenAccess initiatives at your institution (e.g., OA declaration, OA publication funds, OA policy, other OA regularities)



OA Umfrage – Wissen über OA-Initiativen

Frage

Have you published OpenAccess within the last 10 years?

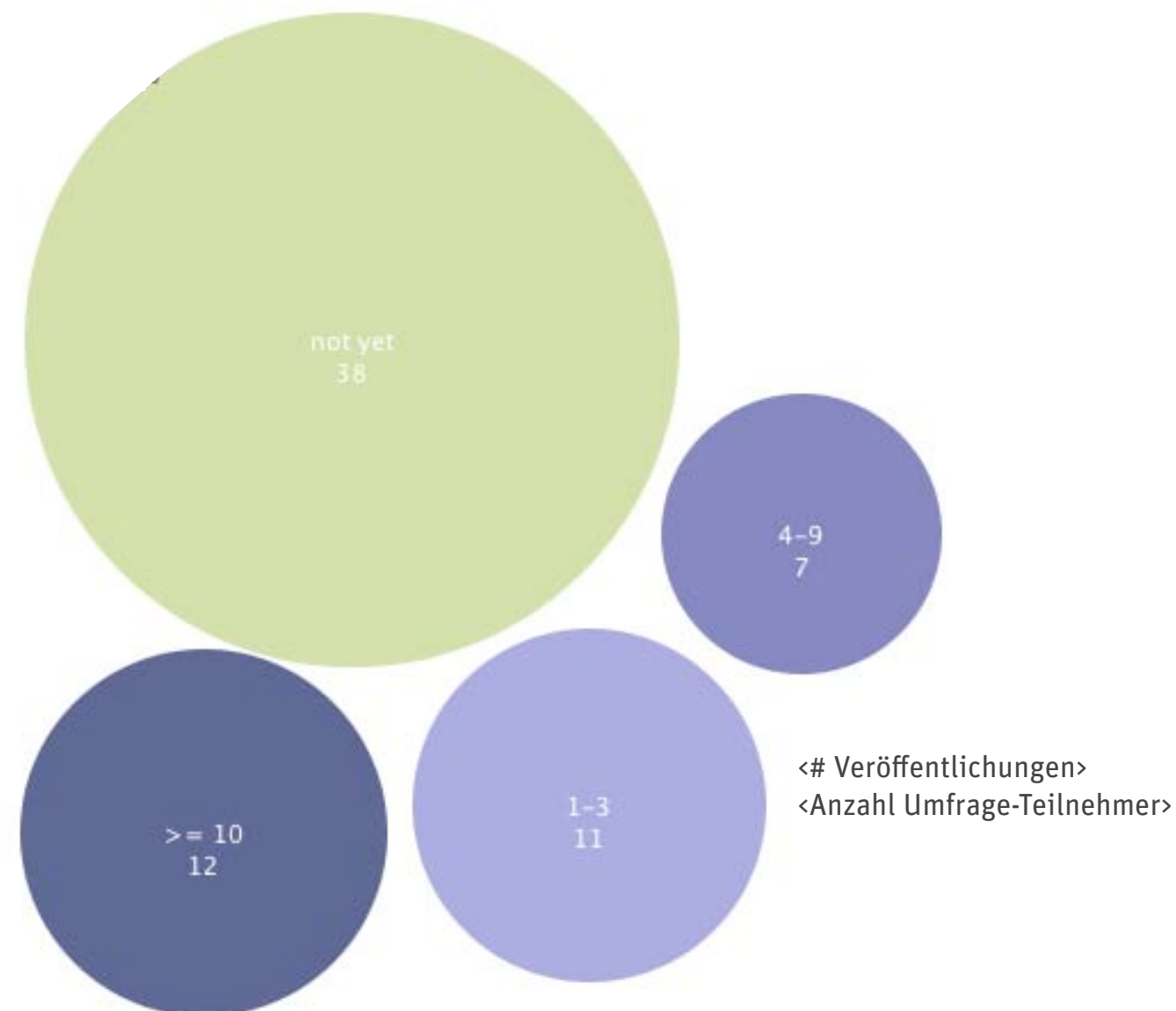
Immerhin: 30 Umfrage-Teilnehmer (44%) haben bereits OA publiziert:

Golden Road
13% (4/30)

Golden/Green Road
27% (8/30)

Green Road
37% (11/30)

other/don't know
27% (7/30)



OA Umfrage – Populäre OA Venues

Pre-Print/ePrint Repositories

- ▶ Cryptology ePrint Archive – Int’l Assoc. for Cryptologic Research (<http://eprint.iacr.org/>)
- ▶ ECCC – Electronic Colloquium on Computational Complexity (<http://eccc.hpi-web.de>)
- ▶ arXiv/CoRR – Computing Research Repository (<http://arxiv.org/corr/>)

Journals

- ▶ Int’l Journal of Database Management (<http://airccse.org/journal/ijdms/ijdms.html>)
- ▶ Journal of Artificial Intelligence Research (<http://www.jair.org>)
- ▶ Theory of Computation (<http://theoryofcomputing.org/>)
- ▶ Logical Methods in Computer Science (<http://www.lmcs-online.org>)

Proceedings Series

- ▶ CEUR Workshop Series (<http://ceur-ws.org>)
- ▶ EPTCS – Electronic Proceedings in Theoretical Computer Science (<http://eptcs.org>)
- ▶ OASIcs – OpenAccess Series in Informatics (<http://www.dagstuhl.de/oasics>)
- ▶ LIPIcs – Leibniz International Proceedings in Informatics (<http://www.dagstuhl.de/lipics>)



OA Umfrage – Fazit

- ▶ OA „Akzeptanz“ deutlich vorhanden
- ▶ Wissenschaftler mit OA-Publikationserfahrung sind Multiplikatoren
- ▶ Bekanntheit von lokalen OA-Initiativen befriedigend – „Werbung“ notwendig
- ▶ Qualitativ hochwertige OA-Venues sind für unterschiedliche Bereiche bereits vorhanden bzw. im Aufbau (Frage nach dem gemeinsamen Nenner?!)

Was Sie tun können?!

- ▶ Erfahrungsaustausch mit Wissenschaftlern vor Ort (Stichwort „offene Türen“)
- ▶ Werbung für hochwertige Venues, insbesondere beim wissenschaftlichen Nachwuchs
- ▶ ...
- ▶ **Diskutieren:** *Abschlussdiskussion nach dem Vortrag*

Dagstuhl Publishing – OA-Dienstleistung für die Informatik



LIPICS

Leibniz International
Proceedings in Informatics

- ▶ Konferenzen: *Leader* in ihrem Feld
- ▶ hohe Anforderungen
- ▶ internationales Editorial Board

<http://www.dagstuhl.de/lipics>



OASICS

Open Access Series in
Informatics

- ▶ Workshops, Symposien, ...
- ▶ Förderung wiss. Nachwuchs
- ▶ europäisches Editorial Board

<http://www.dagstuhl.de/oasics>



Aktuelle Diskussion

D.S. Wallach, Comm. ACM, 10(54),
DOI: 10.1145/2001269.2001283

Viewpoint

Rebooting the CS Publication Process

A proposal for a new cost-free open-access publication model for computer science papers.

MANY COMPUTER SCIENCE academics have written lately about problems with how our publication procedures have failed to scale as the field has grown (for example, see [2-4,5]). While others have focused on trying to shift CS from conferences back to journals, it is worthwhile to understand exactly which problems we are trying to solve.

Acceptance Rates. The top conferences, where publication can make or break a career, may publish 10% of the submitted papers.* Submission rates have grown in the past decade with acceptance rates either flat or dropping, despite an increasing absolute number of papers accepted. What happens to the rejects? Realistically, there are three categories. First, there are the "bubble" papers. If, for whatever reason, the conference were to double its acceptance rate, these would be published, but they were rejected either because they were seen as too narrow or uninteresting, or they were considered to have significant flaws. Next are

work by the smallest possible amount and the program committee wants more. Finally, there are "noncompetitive" papers, where the paper would have no chance at publication in any respectable venue.

Overloaded Reviewers. As submissions

„A conference is a journal that meets in a hotel.“

(incorrectly originated to Lance Fortnow, but see also L. Fortnow, „Viewpoint: Time for computer science to grow up“, Comm. ACM, 8(52), DOI:10.1145/1536616.1536631)

Dan S. Wallach

DOI:10.1145/2001269.2001283

from: <https://blog.itu.dk/>

determine our opinions on open source publication models, and in particular the outlet for ICALP's proceedings. The results are online ([poll results at EACTS website]), but for mysterious reasons only accessible to EATCS members. It's fair to say that there is a large majority of members that would prefer another publication model. For example, only 10% want EATCS to "Publish the proceedings of ICALP as before in a traditional print publication model." To the question "What is the publication model for scientific papers in theoretical computer science that you would prefer to see gain prominence in the near future?", 83% respond "Open access publication as for LMCS, LIPIcs and EPTCS"

EATCS chairman Burkhard Monien reported that the EATCS Council has now approached Springer about the ICALP proceedings. According to him, Springer has made substantially better offer "very close to open access. We have discussed this carefully in the council."

I think this is good news. However, I am less than impressed about the speed with which the process will continue. According to Monien, the result of the May 2010 poll were not sufficiently conclusive, so "We'll ask your opinion again." This time, there will be mercilessly concrete choices about either (1) going with LIPIcs, or (2) staying with Springer's LCNS series (or some transformation of it) or not? I blogged about this last year, from the

[2010 assembly](#):

“ Monien explained the EATCS council wants to get this right, ICALP is a big steamer, should not go in a zig-zag course, and stick to its decisions. He was unsure if the next poll will be implemented in the Fall, but promised "beginning of next year, at the latest." I'm not holding my breath.

Well, the Fall of 2010 has come and gone. The EATCS council had another meeting during ICALP 2011, and Monien summarised the decision. Here's what I was able to jot down quickly from his presentation:

- The decision is between Springer and the LIPIcs series and will be decided by the members of EATCS by a ballot "at the end of the summer."
- The EATCS Council recommends to go with Springer.
- The poll will include the following documents: The proposals from both Springer and LIPIcs. The recommendation of the EATCS council. A dissenting opinion from a minority in the Council. A list of pros and cons.
- The final decision is made by simple majority among EATCS members. A quorum of 25% is necessary.

For a quick calculation, the report currently lists 787 EATCS members. So some 200 members would need to

from: <http://thorehusfeldt.net/2011/07/11/icalp-2011/>

Diskussion

1. Erfolgreiche und hemmende Faktoren für bestehende OA-Angebote in der Informatik
2. Zukunftsstrategien