

OOPSLA 2023 AEC Chairs Report

(Artifact Evaluation Committee)



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Stats

81 Submissions
21 in Round 1, 60 Round in 2

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44 Reusable



29 Functional



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Open comments during kick-the-tires,
CloudLab 

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Open comments during kick-the-tires,
CloudLab 



Lack of small examples,
unclear scope

AEC + ERC

Every AEC member reviewed papers.

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Why?

1. Recruiting
2. Workload
3. PC / AEC dialog

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Why?

1. Recruiting
2. Workload
3. PC / AEC dialog

103 Invitations
62 Accepts
58 AEC+ERC Members
Postdocs, Asst. Profs., Senior PhDs

Member Survey



OOPSLA'23 AEC Followup

28 Responses (48%)

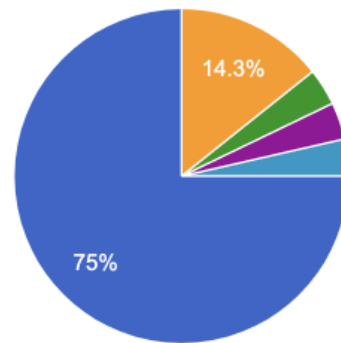
Member Survey

Member Survey

When you joined the AEC, did the ERC+AEC offer affect your decision?

 Copy

28 responses



- Yes, in a positive way. The ERC offer was a good incentive.
- Yes, but in a negative way. I would have rather joined the AEC alone.
- No, it was not a major factor.
- Thought it was AEC originally, but would rather have joined ERC only.
- I wanted yo join the ERC and not the AEC. At the end it was a pleasant exp...
- I was not aware of this and surprised t...



ERC helped with recruitment

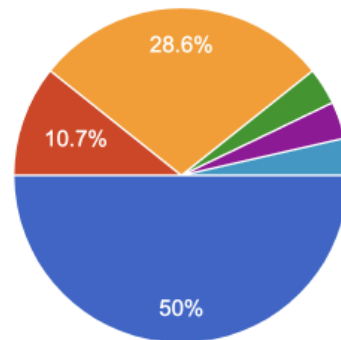
Member Survey

Member Survey

Did ERC work help with AEC work?

28 responses

 Copy



- Yes, it was easier to review an artifact after reviewing the paper
- No, reviewing a paper did not help much for reviewing the artifact
- Not sure, my ERC and AEC reviews did not overlap
- I noticed that, though I was more familiar with them, I was much more critical re...
- It was somewhat helpful. There was o...
- Not sure, ERC/AEC reviews did not o...



ERC work was not a big help for AEC work

Member Survey

"ERC and AEC concerns are neatly separable.
The main intersection is identifying
claims that should be supported."

"Have a PC reviewer write the Functional guidelines."

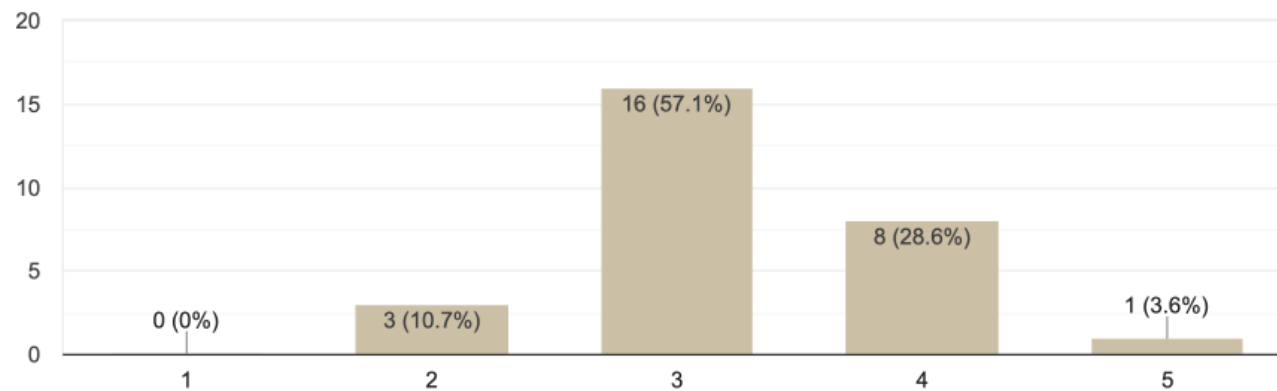
Member Survey

Member Survey

How did you find the artifact review load?

 Copy

28 responses



Workload was OK

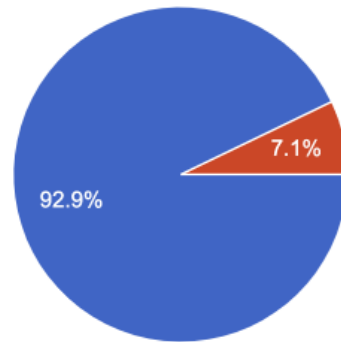
Member Survey

Member Survey

Were the guidelines for Functional clear enough?

28 responses

 Copy



- Yes
- No, the Call needs revision (please leave a comment below)



Should Functional = Reproduced? (My take: No)

Member Survey

<https://www.acm.org/publications/policies/artifact-review-and-badging-current>

Missing!



Member Survey

<https://www.acm.org/publications/policies/artifact-review-and-badging-current>

Missing!



OOPSLA needs a Reproduced badge.

Member Survey

(one counterpoint)

"I would say that the bar for getting the badges should be a bit higher.

I got some artifacts that barely ran and needed so much time from the reviewers. But they still got Functional!"

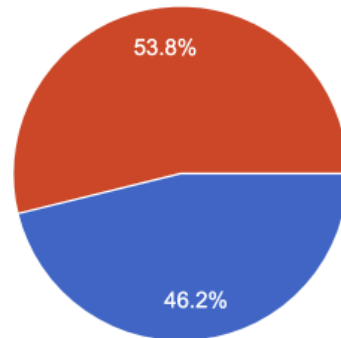
Member Survey

Member Survey

Were the guidelines for Reusable clear enough?

26 responses

 Copy



- Yes
- No, the Call needs revision (please leave a comment)



Next time, ask authors to propose instructions.

Member Survey

"Reusable is a pretty broad description.
For a software library, reusability is
the point of the artifact!
For a mechanized proof or empirical test, R.
is less clear since these were not necessarily
intended to be reused."

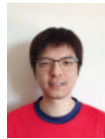
Awards

Awards

Distinguished Reviewers:



Rob Sison
UNSW Sydney



Shiwei Weng
Johns Hopkins University

Awards

Awards

Distinguished Artifacts:

Proof Automation for Linearizability in Separation Logic

Ike Mulder, Robbert Krebbers

The Essence of Verilog: A Tractable and Tested Operational Semantics for Verilog

Qinlin Chen, Nairen Zhang, Jinpeng Wang, Tian Tan, Chang Xu, Xiaoxing Ma, Yue Li

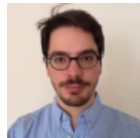
A Deductive Verification Infrastructure for Probabilistic Programs

Philipp Schröder, Kevin Batz, Benjamin Lucien Kaminski,
Joost-Pieter Katoen, Christoph Matheja

Validating IoT Devices with Rate-Based Session Types

Grant Iraci, Cheng-En Chuang, Raymond Hu, Lukasz Ziarek

➔ OOPSLA 2024



Guillaume Baudart
Inria



Sankha Guria
University of Kansas

OOPSLA 2024 - Artifact Evaluation

Evaluation: similar to previous year

- Kick-the-tires: ~1 week, open communication
- Full review: ~1 month, closed communication

Artifact Review Committee (AEC)

- Who can apply? PhD students, Post-Docs, Faculties, ...
- Contact us if you are interested!

New in artifact submissions

- Explicit hardware requirements
- Reusability guide

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Important Dates

🕒 AoE (UTC-12h)

Fri 5 Jan 2024
Artifact Submission Round 1

Fri 5 Jul 2024
Artifact Submission Round 2

Artifact Evaluation Committee



Guillaume Baudart

Inria
France

Co-chair



Sankha Narayan Guria

University of Kansas
United States

Co-chair