

AAAI-23 Review process

228 Area Chairs

879 Senior Program Committee (SPC) members

6782 Program Committee (PC) members

On average, 4 submitted reviews per PC member over two phases

Two-phase review:

- Phase 1: Two reviewers assigned per paper.
- Promoted to phase two, if:
 - Received at least 1 positive review (weak accept or better)
 - Received fewer than two reviews.
 - Was rescued by SPC/AC despite not meeting the preceding criteria
- Phase 2: At least two additional reviewers assigned

Reviews:

- Some questions about specific features of the paper
- Textual summary of strengths and weakness
- Ordinal ranking of papers

Reviewer assignments:

- Continued use of strategies to mitigate collusion and fraud:
 - More thorough conflict checking
 - Balanced geographic coverage and seniority level
 - (Constrained) randomized reviewer assignment
 - Various additional measures

Subjectivity Mitigation:

- Continued use of strategies to automatically identify discrepancies in review rating:
 - Algorithmically identify reviews where ratings suggest overall evaluation mapping is very different from rest of reviews.
 - Alert SPC/AC about reviews with significant discrepancies
- Identify reviews that are significantly shorter than expected.
 - Request PC to add more detail to support their ratings
 - Alert SPC/AC about unresolved issues

Decision Process:

- 2 phase review, author rebuttal, discussion
- Associate PC Chair recommendations, PC Chair Decisions
- Author anonymity maintained throughout decision process
- Departure from SPC/AC recommendation when warranted by:
 - Divergence between reviews and recommendations
 - Major issues unresolved by post-rebuttal discussions
 - Calibration across reviewers and review length.