

# ACM SIGMETRICS Doctoral Dissertation Award

The SIGMETRICS Doctoral Dissertation award will recognize excellent thesis research by doctoral candidates in the field of performance evaluation analysis of computer systems. The SIGMETRICS Doctoral Dissertation Award winner and up to two honorable mentions will be recognized at the annual ACM SIGMETRICS conference. The award winner will receive a plaque, a \$1,000 honorarium, and a complimentary registration to the ACM SIGMETRICS conference. The runners-up each will receive a plaque.

## Background and Rationale

SIGMETRICS is the ACM Special Interest Group for the computer systems performance evaluation community. It promotes research in performance evaluation and analysis techniques, as well as the advanced and innovative use of known methods and tools. Target areas of performance analysis include computer architecture, computer networks, database systems, distributed systems, fault-tolerant systems, file and memory systems, operating systems, and real-time systems. ACM SIGMETRICS has held its own annual conference since 1973. Every three years, this conference occurs jointly with the IFIP Performance conference, the flagship conference of IFIP Working Group 7.3.

ACM SIGMETRICS currently sponsors several major awards to recognize important contributions in the area of performance evaluation:

- the SIGMETRICS Achievement Award;
- the SIGMETRICS Rising Star Researcher Award;
- the SIGMETRICS Best Paper Award at the ACM SIGMETRICS conference;
- the Kenneth C. Sevcik Outstanding Student Paper Award for the best student paper at the ACM SIGMETRICS conference;
- the SIGMETRICS Test of Time Award recognizes an influential paper from the ACM SIGMETRICS conference proceedings 10-12 years prior.

All awards are publicized via the ACM SIGMETRICS mailing lists, SIG website, and Twitter.

## Eligibility

- The final dissertation defense should take place at the nominee's host institution during the 12 months prior to the submission deadline and not earlier than the previous submission deadline. Each submitted doctoral dissertation must be on a topic related to the measurement, modeling, analysis, and/or design of computing systems and networks. Of particular interest is work that presents new performance evaluation methods or that creatively applied previously developed methods to make predictions about, or gain insights into, key design tradeoffs in a variety of computing, networked, and cyber-physical systems. The determination of whether a thesis is in scope for the award will be made by the SIGMETRICS Doctoral Dissertation Award Committee.
- An English-language version of the dissertation must be submitted with the nomination.
- A dissertation can be nominated for both the SIGMETRICS Doctoral Dissertation Award and the ACM Doctoral Dissertation Award.
- A supervisor can nominate a maximum of two PhD students in the same year.

## **Submission Deadline**

Submissions must be received by the current SIGMETRICS Dissertation Award Chair by a deadline September 15 each year.

## **Decision Deadline**

The SIGMETRICS Doctoral Dissertation Award Committee will inform the SIGMETRICS Chair and the winner and runners-up of the results by November 15 each year.

## **Submission Procedure**

All nomination materials must be submitted electronically to the current Chair of the SIGMETRICS Doctoral Dissertation Award Committee by the submission deadline and must be submitted in English. PDF format is required for all materials. Late submissions will not be considered. No self-nominations are allowed.

Nominations for the award must include:

- A statement summarizing the candidate's PhD thesis contributions and potential impact, and justification of the nomination (no more than two pages);
- The PhD thesis itself;
- Three endorsement letters supporting the nomination including the significant PhD thesis contributions of the candidate. Each endorsement should be no longer than 2 pages with a clear specification of the nominee's PhD thesis contributions and potential impact;
- A concise statement (one sentence) of the PhD thesis contribution for which the award is being given. This statement will appear on the plaque and on the SIGMETRICS website.

## **Doctoral Dissertation Award Selection Committee**

The Doctoral Dissertation Award Selection Committee will consist of three SIGMETRICS members, one of whom will be appointed as the Selection Committee chair. Award committee members will be appointed by the current SIGMETRICS SIG chair. The committee chair will adjudicate conflicts of interest, appointing substitutes to the committee as necessary. Committee members may remain on the committee for up to four years, but membership will be rotated yearly.

## **Resolution of Conflict of Interest**

ACM's [conflict-of-interest guidelines](#) apply to all award nominations.

## **Doctoral Dissertation Award Funding**

The funding comes exclusively from ACM SIGMETRICS.