Please note: Graduate students should include their salary, tuition, fees, etc. in the budget for this proposal. Although the eligibility section does not list graduate students, the frequently asked questions does address this.

-Betty Madigan

Request for Proposals
Distributed Systems Research

Apply Now

Application deadline:
December 6, 2019, 11:59pm AOE

To understand the future challenges that have yet to emerge, it is important that Facebook builds a strong collaboration pipeline with key experts in academia. Therefore, Facebook is pleased to invite faculty and graduate students to respond to this year’s call for research proposals pertaining to distributed systems.
While all proposals are welcome, we are particularly interested in those that address fundamental challenges that arise in distributed systems operating at an extremely large scale.

**Example topics include:**

- Distributed performance tracing and analysis
- Efficient shard mapping and placement (on the order of billions of shards)
- Request load balancing (e.g., for HTTP and RPC traffic)
- Fault tolerance (with a focus on power and network fault domains)
- Large-scale configuration management, monitoring, and deployment
- Efficient use of hardware resources via software codesign

We anticipate granting eight awards, each in the $50,000 range. In addition, winners will be invited to a Facebook event at one of our data centers for a tour and summit discussing the winning proposals and an opportunity for networking with Facebook engineers.

Visit the [distributed systems research awards page](#) to apply and for information about eligibility, timing and dates, and what proposals should include. The application deadline is December 6, 2019.

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