

2007 Symposium on Theory of Computing Undergraduate Student Research Competition

<http://www.cs.williams.edu/src2007>



Important Dates

Submission Deadline

23 February 2007 23:59 PST

Acceptance Notification

09 April 2007

Final Draft Due

01 May 2007

Joint Poster Session

12 June 2007

Final Oral Presentations

13 June 2007

Student Travel Grants

All students whose submissions are selected to participate will receive a travel grant of up to \$500, depending on need and eligibility, to help with travel and hotel costs.

Selection Committee

Aaron Archer :: AT&T Research
Tzu-Yi Chen :: Pomona College
Jim Fix :: Reed College
William Gasarch :: Univ. of Maryland
Brent Heeringa :: Williams College

Sponsors

Microsoft Research
ACM
SIGACT

Questions

Email: src2007@cs.williams.edu

Overview

SIGACT is pleased to announce the first Symposium on Theory of Computing (STOC) ACM Student Research Competition (SRC) sponsored by Microsoft Research. The STOC SRC offers an opportunity for undergraduate students conducting theoretical computer science research to present their original work at STOC 2007 (FCRC 2007). Research in all areas of theoretical computer science is welcome. A typical but not exclusive list of topics include:

- * algorithms and data structures
- * computational complexity
- * cryptography
- * computational geometry
- * algorithmic graph theory and combinatorics
- * randomness in computing
- * parallel and distributed computation
- * machine learning
- * applications of logic
- * algorithmic algebra and coding theory
- * computational science and economics
- * quantum computing
- * theoretical aspects of databases, networking, and IR

Competition

The STOC student research competition is only open to undergraduates. It consists of a submission round followed by two rounds of judging. The final two rounds take place at FCRC 2007.

Submissions are two-page extended abstracts. For details on submission instructions including format visit

<http://www.cs.williams.edu/src2007>

The conference competition begins with a poster presentation where students discuss their results with a panel of judges and conference attendees. 4-5 student finalists are chosen to give oral presentations the following morning at a special conference session.

The final round of conference judging consists of a 10 minute talk followed by 5 minutes of questions.

The top three finishers receive prizes of \$500, \$300, and \$200 (USD) respectively. In addition, the top three finishers of the STOC SRC advances to the yearly ACM SRC Grand Finals (judged in an online competition), whose winners will be honored at the ACM Awards Banquet.