Welcome:
NSF Workshop on Research Directions in the Principles of Parallel Computation

Funded by NSF

Schedule

9:00-9:15: NSF Viewpoint

9:15-10:15: Talks

10:45-12:00: Talks

1:00-2:00: Talks

2:15-3:15: Talks

3:40-4:00: Minutes of Madness

4:00-5:15: Break out groups

5:15-6:00: Reports

6:00-7:30: Reception

Where are we at

How often does "parallel" or "concurrent" appear in a title (weight=2) or abstract (weight=1)

Conference	Score/Papers	Percentage
ISCA 10, 11	32/100	32%
PLDI 11, 12	64/105	62%
POPL 11, 12	28/99	28%
SPAA 10, 11	62/98	64%
STOC 11, 12	5/175	3%
SODA 11, 12	7/277	2%

Why is this the case?

1. All problems were solved in the 80s?
2. The rules are changing too rapidly?
3. Need to work across the whole "stack"?
4. Lack of clean well defined problems?
5. Lack of consensus on what is important?
6. Burn me once shame on you, burn me twice…?
7. Lack of training?
8. Hard to get funding?
9. Area is not exciting?

How to get more excitement/involvement?

1. Identify open, well-defined problems/ research directions

2. Have some big success stories

3. Accept diversity

4. Better educate our students on known results

5. Area specific funding sources
   Hard to fit in traditional areas

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Rules

Groups of talks followed by questions to all speakers

STRICT 10 MINUTE LIMIT ENFORCED

Please send your slides to email on board at least 30 minutes before your session.