On the Caching and Prefetching of Program Committees

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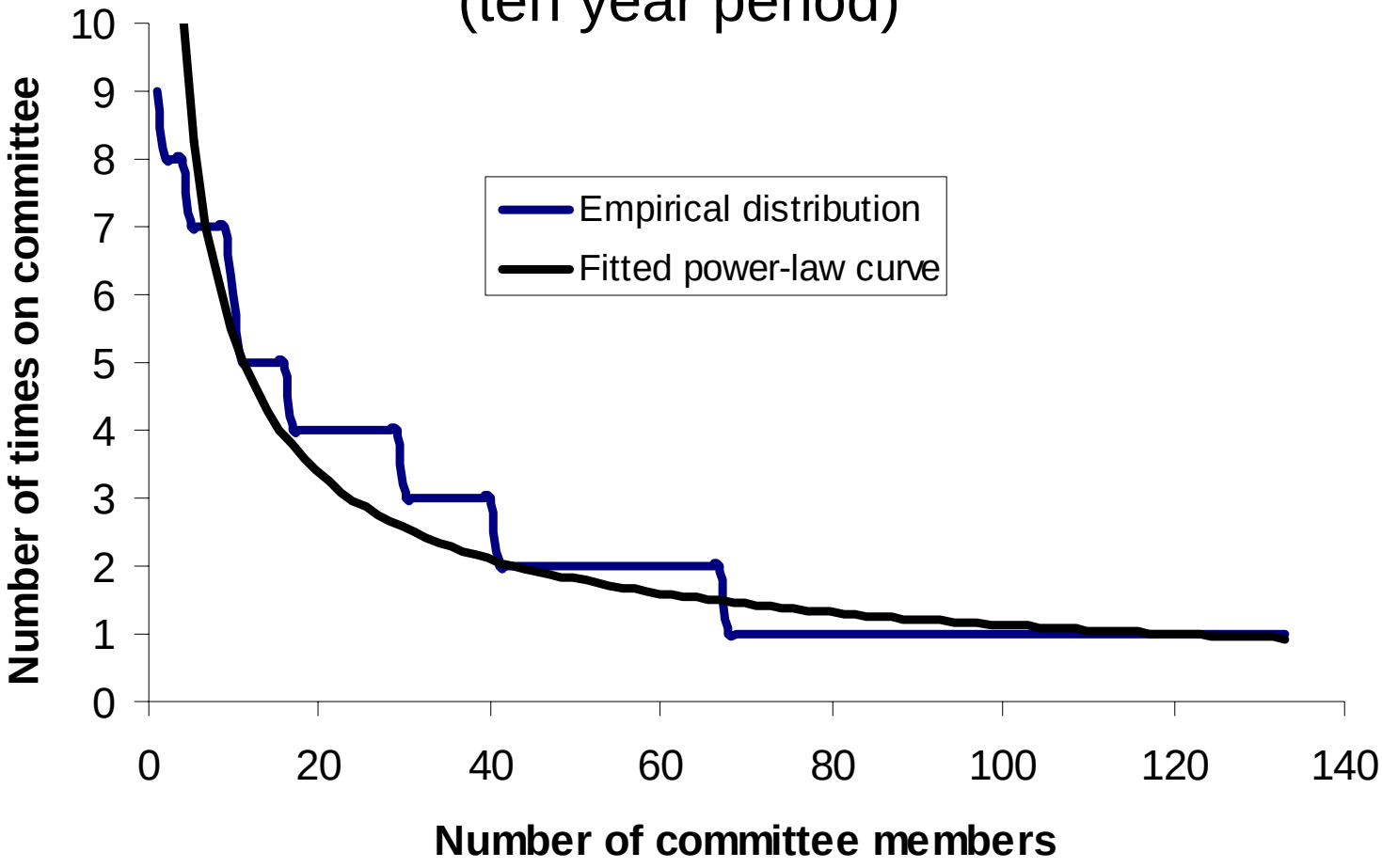
Overview

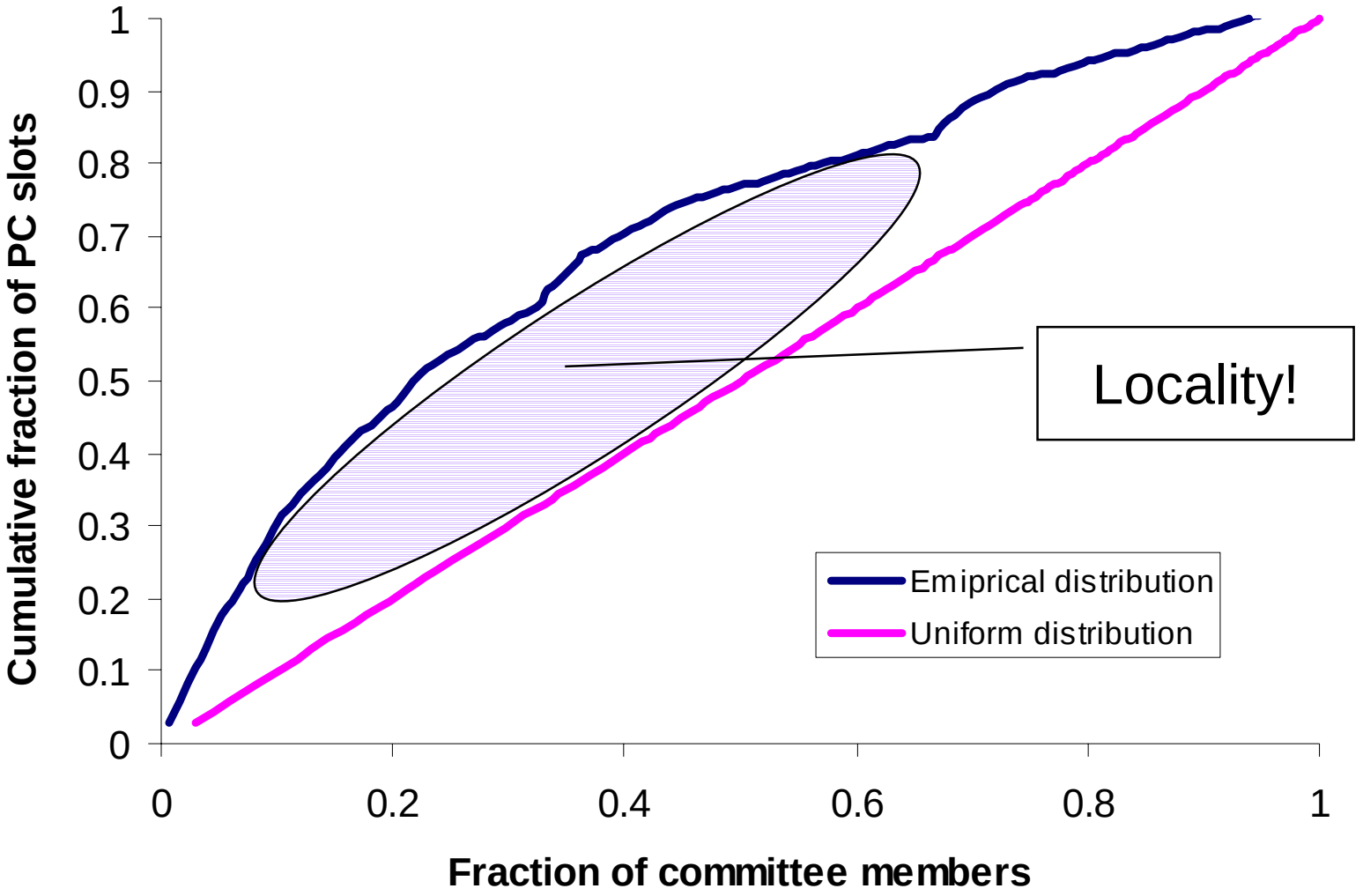
- Problems
  - Long latency waiting for new program committees
  - High overhead generating new PC members
- Questions
  - Can we just cache old PC's or prefetch new ones?
  - How cacheable is SIGCOMM vs other SIG's?
  - What benefits does high locality bring?

The SIGCOMM PC distribution

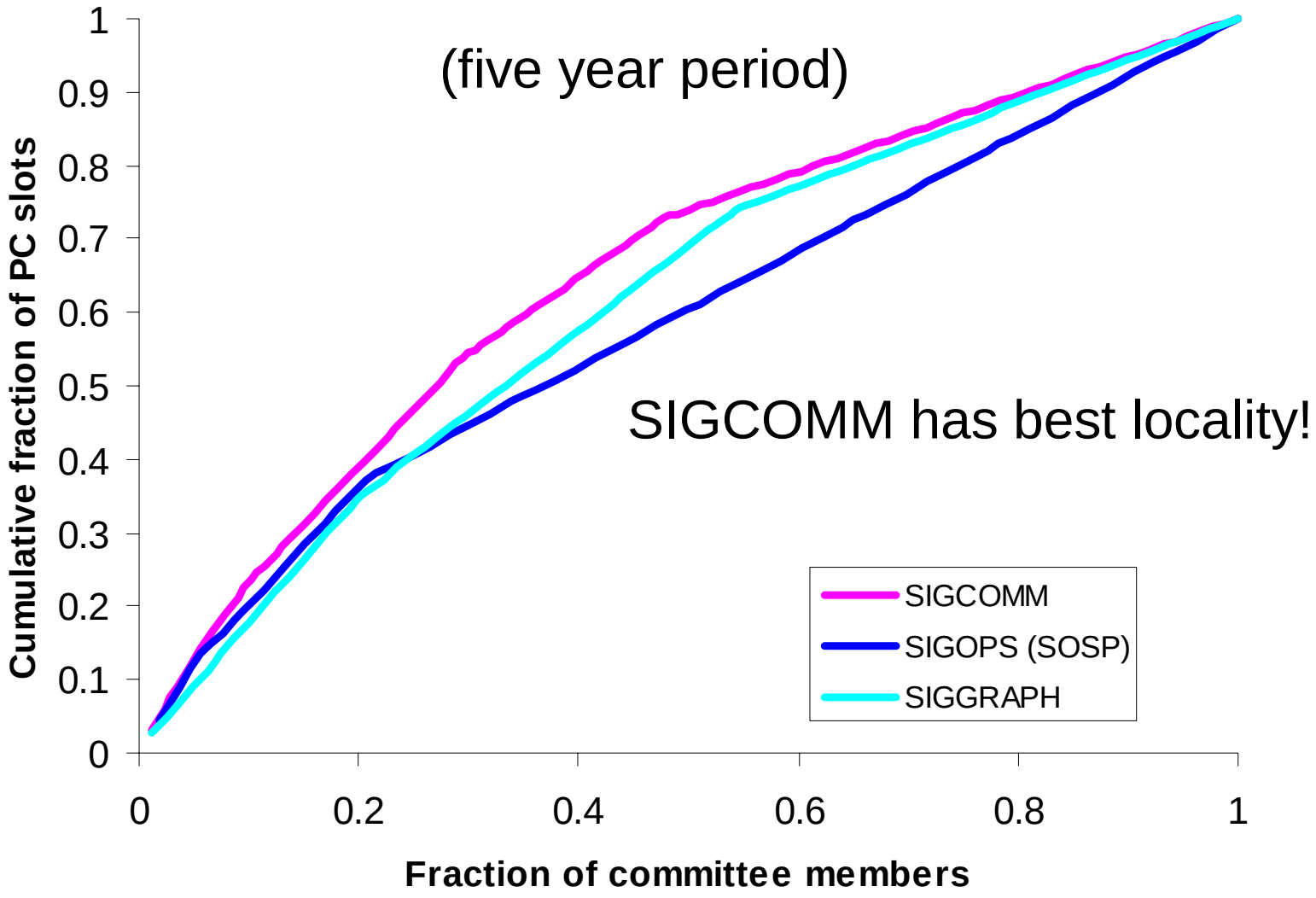
Heavy tailed, follows power law, infinite variance
(ten year period)



CDF of PC slot occupancy



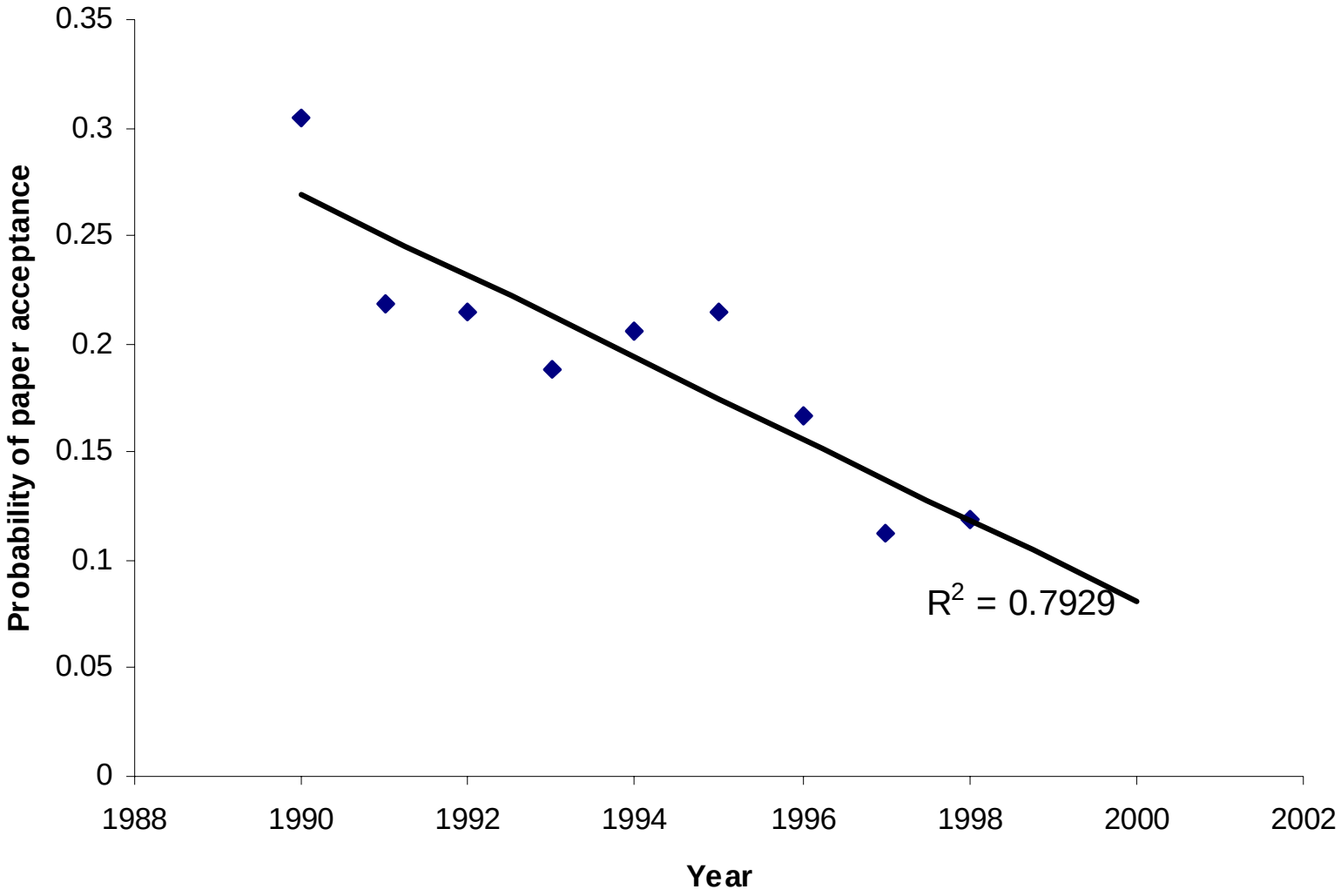
Comparison to other ACM SIGs



Benefits of locality

- Recurring PC members are confident PC members
- Have no problem saying “no”
  - 1990: 31 papers accepted
  - 1999: 24 papers accepted
  - Clearly the more diverse 80’s crowd didn’t have the backbone to uphold the high standards of SIGCOMM!

Probability that your junky paper will make it into SIGCOMM



Prefetching SIGCOMM PC slots

- Why wait for the PC to be named when you can kiss ass now?
- Simple probabilistic model is very effective
- I have a sealed envelope containing a good approximation of the SIGCOMM 2000 PC…