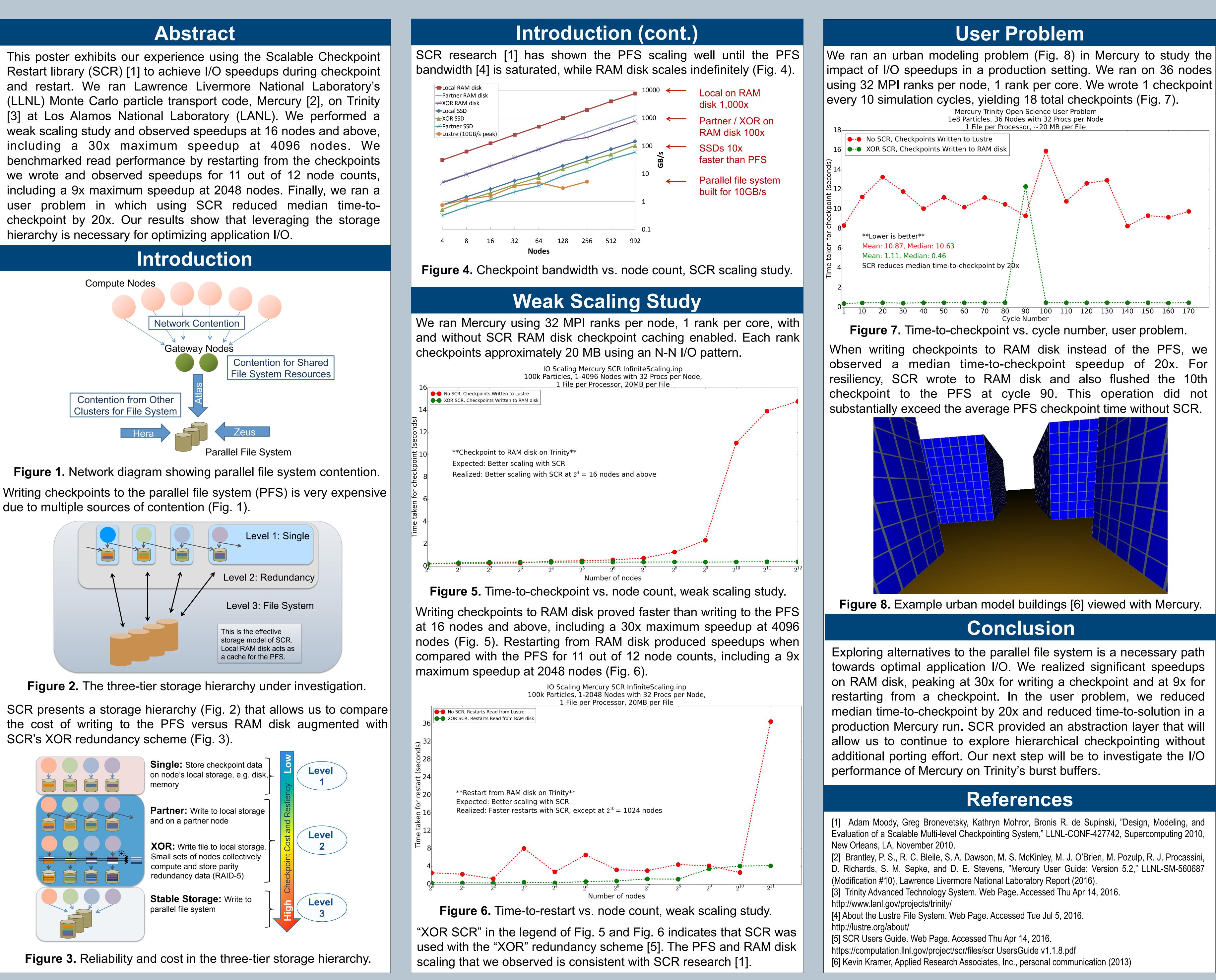
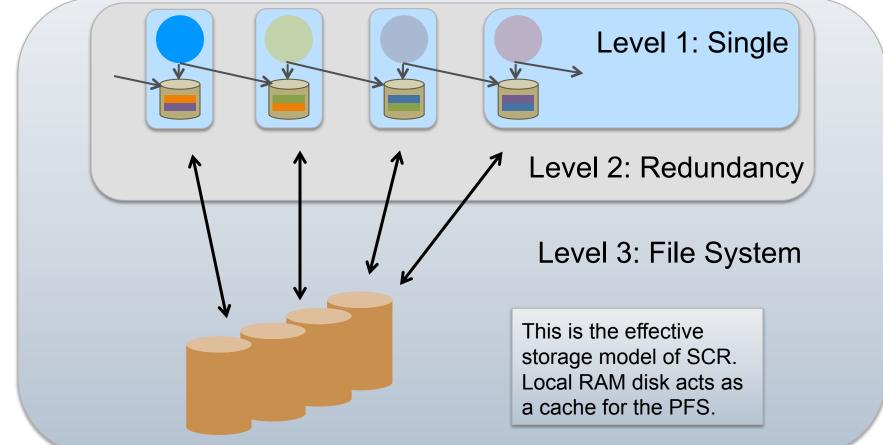


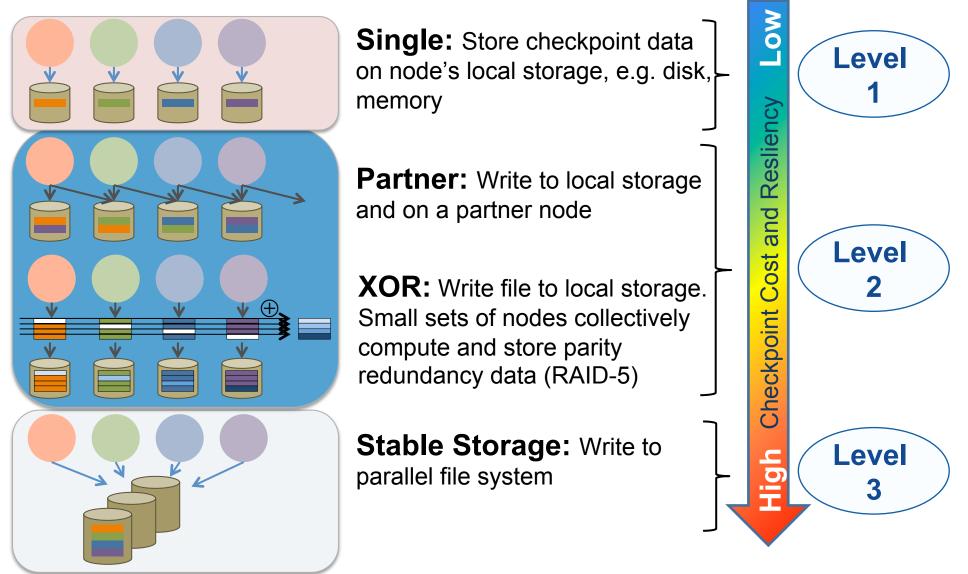
hierarchy is necessary for optimizing application I/O.



due to multiple sources of contention (Fig. 1).



SCR's XOR redundancy scheme (Fig. 3).



Optimizing Application I/O by Leveraging the Storage Hierarchy Using the Scalable Checkpoint Restart Library with a Monte Carlo Particle Transport Application on the Trinity Advanced Computing System Michael M. Pozulp, Gregory B. Becker, Patrick S. Brantley, Shawn A. Dawson, Kathryn Mohror, Adam T. Moody, Matthew J. O'Brien Lawrence Livermore National Laboratory, Livermore, CA, USA

