$\begin{array}{c} {\rm JIASHAN\ TANG,\ Carleton\ University} \\ {\it Balancing\ queues\ by\ mean\ field\ interaction} \end{array}$

Consider a queueing network with N nodes in which queue lengths are balanced through mean-field interaction. When N is large, we study the performance of such a network in terms of limiting results as N goes to infinity. (joint work with Don Dawson and Yiqiang Q. Zhao)