

# THE ANNALS *of* APPLIED PROBABILITY

*AN OFFICIAL JOURNAL OF THE*  
INSTITUTE OF MATHEMATICAL STATISTICS

## Articles

- Optimal queue-size scaling in switched networks  
D. SHAH, N. S. WALTON AND Y. ZHONG 2207
- Long runs under a conditional limit distribution  
MICHEL BRONIATOWSKI AND VIRGILE CARON 2246
- Cutting down trees with a Markov chainsaw  
LOUIGI ADDARIO-BERRY, NICOLAS BROUTIN AND CECILIA HOLMGREN 2297
- Quickest detection of a hidden target and extremal surfaces . . . . . GORAN PESKIR 2340
- First-order global asymptotics for confined particles with singular pair repulsion  
DJALIL CHAFAÏ, NATHAEL GOZLAN AND PIERRE-ANDRÉ ZITT 2371
- Belief propagation for optimal edge cover in the random complete graph  
MUSTAFA KHANDWAWALA AND RAJESH SUNDARESAN 2414
- Spectral gaps for a Metropolis–Hastings algorithm in infinite dimensions  
MARTIN HAIRER, ANDREW M. STUART AND SEBASTIAN J. VOLLMER 2455
- Limit theorems for nondegenerate  $U$ -statistics of continuous semimartingales  
MARK PODOLSKIJ, CHRISTIAN SCHMIDT AND JOHANNA F. ZIEGEL 2491
- Diffusion models and steady-state approximations for  
exponentially ergodic Markovian queues . . . . . ITAI GURVICH 2527
- The component sizes of a critical random graph with given degree sequence  
ADRIEN JOSEPH 2560
- A class of nonergodic interacting particle systems with unique invariant measure  
BENEDIKT JAHNEL AND CHRISTOF KÜLSKE 2595