1078-03-377   **Mia Minnes*** (`minnes@math.ucsd.edu`). *Algorithmic randomness and complexity via automata.* Algorithmic randomness is well-studied in the context of Turing machines (effective martingales, Kolmogorov complexity, etc.) We will discuss recent work on randomness with respect to finite-state machines. (Received December 13, 2011)