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Lance Fortnow* (fortnow@eecs.northwestern.edu), EECS Department, Northwestern University, Tech L359, 2145 Sheridan Rd, Evanston, IL 60208. *Turing's Influence on Computational Complexity.*

Alan Turing's machine not only gave us the right model of computation but also the right way to measure resources, such as time and memory, needed to perform various computational tasks. This talk will explore how Turing's research influenced the development of the field of Computational Complexity, the P versus NP problem and beyond. (Received August 29, 2011)