1145-60-2551 **Greg Lawler*** (lawler@math.uchicago.edu). *Two-sided loop-erased random walk.*

A loop-erased walk on the integer lattice is a path without intersections obtained by erasing loops from a standard random walk. We construct a two-sided version of this in all dimensions which can be considered the measure on the path "viewed in the middle". In two dimensions the transition probabilities can be described in terms of random walk with some "negative weights". This includes joint work with Christian Benes and Fredrik Viklund. (Received September 25, 2018)