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**Matthew Badger\*** ([matthew.badger@uconn.edu](mailto:matthew.badger@uconn.edu)). *Traveling along Hölder curves.*

I will report on an extension of Peter Jones' traveling salesman construction, which provides a sufficient condition for a set in Euclidean space to be contained in a  $(1/s)$ -Hölder curve,  $s \geq 1$ . The original result, corresponding to the case  $s = 1$ , identified subsets of rectifiable curves. When  $s > 1$ ,  $(1/s)$ -Hölder curves are more exotic objects than rectifiable curves that include snowflake curves and space-filling curves as basic examples. This is joint work with Lisa Naples and Vyron Vellis. (Received December 13, 2017)