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Panagiotis Souganidis* (souganidis@math.uchicago.edu), Department of Mathematics, The University of Chicago, Chicago, IL 60637. *Pathwise entropy solutions for conservation laws with nonlinear rough path dependence.*

I will present the theory of pathwise solutions to scalar conservation laws with fluxes that depend on rough signals. I will discuss the wellposedness of the solutions as well as their large time behavior in the brownian case. The results are joined in several combinations with Lions, Perthame and Gess. (Received August 11, 2015)