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Victor Scharaschkin (victors@math.usc.edu), USC Dept of Mathematics, 1042 W. 36th Pl.,
Los Angeles, CA, 90089–1113. *The Brauer-Manin Obstruction and 0-cycles.*

The 1999 Arizona Winter School concentrated on local-global problems, including the Brauer-Manin obstruction. In this talk we give a more explicit formulation of the (algebraic part) of the Brauer-Manin obstruction for smooth projective varieties, and discuss the implications for the existence of global 0-cycles on such varieties. (Received October 03, 2000)