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**Brad Shelton\***, Department of Mathematics, University of Oregon, Eugene, OR 974031221, and **Tom Cassidy** and **Christopher Phan**. *Koszul algebras associated to layered graphs*. Preliminary report.

Gelfand, Retakh, Serconek and Wilson have introduced a construction of algebras associated to layered graphs. Under certain conditions these algebras are quadratic and some are known to be Koszul. It is natural to ask what graph conditions correspond to Koszul algebras. We will discuss some recent progress on understanding this problem. (Received August 09, 2008)