1056-14-524   **Anthony Licata*** (`amlicata@math.stanford.edu`), Dept. of Mathematics, Stanford University, stanford, CA 94305, and **Sabin Cautis** and **Joel Kamnitzer**. *Categorification via Quiver Varieties.*

H. Nakajima gave a geometric construction of representations of Kac-Moody algebras using cohomology of quiver varieties. We categorify this construction using derived categories of coherent sheaves on quiver varieties. (Received September 11, 2009)