1108-05-154   **Harold Williams*** (`hwilliams@math.utexas.edu`), **Vivek Shende**, **David Treumann** and
                     Eric Zaslow. *Legendrian Knots and Cluster Varieties.*

Many cluster varieties of geometric interest, such as Grassmannians and spaces of local systems, can be associated with combinatorial objects on surfaces, for example embedded bipartite graphs. We will consider these varieties from the point of view of symplectic geometry, explaining how they can be interpreted as moduli spaces canonically associated with Legendrian knots. This provides an illuminating new perspective on these cluster structures, which we explain through several examples related to integrable systems. (Received January 08, 2015)