1120-46-279   **Marius V Ionescu*** (`ionescu@usna.edu`), **Alex Kumjian**, **Aidan Sims** and **Dana P Williams**. *A stabilization theorem for Fell bundles over groupoids and applications.*

We show that the C^*-algebra of a second countable saturated upper-semicontinuous Fell bundle $p : \mathcal{B} \to G$ over a second countable Hausdorff locally compact groupoid is Morita equivalent to the C^*-algebra of a groupoid dynamical system that the Fell bundle determines. Our results generalize previous work of Alex Kumjian and Paul S. Muhly. As an application of our results, we describe the lattice of ideals of the C^*-algebra of a continuous Fell bundle using the corresponding results that Renault proved for groupoid dynamical systems. We also characterize the simplicity of C^*-algebras of continuous Fell bundles in terms of the minimality of the action of G on the primitive ideal space of the C^*-algebra A over $G^{(0)}$. Time permiting, I will present applications to twisted groupoid C^*-algebras. This talk is based on joint work with Alex Kumjian, Aidan Sims, and Dana P. Williams. (Received February 23, 2016)