September 18: Maxim Vybornov (MIT), "Quiver varieties and infinite Grassmannians of type A." (Joint with Ivan Mirković.)

We construct Nakajima's quiver varieties of type A in terms of Beilinson-Drinfeld Grassmannians of type A. This gives a compactification of quiver varieties and a decomposition of affine Grassmannians into a disjoint union of quiver varieties. The construction provides a geometric framework for skew $(GL(m), GL(n))$ duality and identifies the natural basis of weight spaces in Nakajima's construction with the natural basis of multiplicity spaces in tensor products which arises from affine Grassmannians.