



Speaker: Songhao Li
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Monday, April 9, 2018

4:30 PM

258 Hurley Hall

Title: Symplectic groupoids of cluster Poisson structures

Abstract:

We construct the symplectic groupoid of the log-canonical Poisson structure on a vector space in two ways. The first is by a suitable choice of Poisson spray and the second is by the blow-up of the symplectic double as a Poisson groupoid. We then lift the cluster mutations to groupoid mutations. If time permits, I will also explain the work by Fock-Goncharov on quantization of cluster X-varieties and how it might fit into the groupoid framework. This is joint work with Dylan Rupel.