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**Speaker:** Chris Fraser  
University of Michigan

Monday, October 26, 2015

2:00 PM

258 Hurley Hall

**Title:** Quasi-isomorphisms of Grassmannian and Fock-Goncharov cluster algebras

**Abstract:**

I will show that the well-studied cluster structures on Grassmannians and Fock-Goncharov spaces are related by a new notion called a quasi-isomorphism. Using this relation between these two spaces, we obtain a large group of symmetries of their respective cluster structures. Using this group, we provide evidence for conjectures (originally made by Fomin and Pylyavskyy) explicitly describing the cluster variables and clusters in these cluster algebras in terms of Kuperberg's webs.