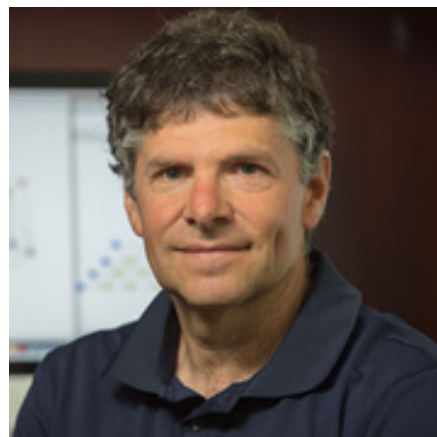


CLUSTER ALGEBRAS SEMINAR

Speaker: Michael Gekhtman
University of Notre Dame



Date: Monday, February 26, 2018

Time: 4:30 PM

Location: 258 Hurley Hall

Lecture Title:

Cluster structures on Poisson-Lie groups

Abstract

The connection between cluster algebras and Poisson structures is by now well-documented. Among the most important examples in which this connection has been utilized are coordinate rings of double Bruhat cells in semisimple Lie groups equipped with (the restriction of) the standard Poisson-Lie structure. In this talk, based on the joint work with M. Shapiro and A. Vainshtein, I will describe exotic cluster structures on $GL(n)$ compatible with Poisson-Lie brackets arising from the Belavin-Drinfeld classification.