Programme du 50e
Atelier sur les variétés de carquois et la théorie des représentations
12 au 16 août

50th anniversary program
Workshop on quiver varieties and representation theory
August 12-16, 2019

Quiver varieties and symmetric pairs

Yiqiang Li *

yiqiang@buffalo.edu

To a Dynkin graph, one can attach a simply-laced complex simple Lie algebra, say g, and a class of Nakajima varieties. The latter provides a natural home for a geometric representation theory of the former. If the algebra g is further equipped with an involution, it leads to a so-called symmetric pair (g, k) where k is the fixed-point subalgebra under the involution. In this talk, I'll present bridges at several levels between symmetric pairs and Nakajima varieties.

*Department of Mathematics, Univeristy at Buffalo, the State University of New York, 212 Mathematics Building, Buffalo, NY 14260-2900, USA