**HIRO ABO**, University of Idaho *Eigenvectors of tensors* 

The concept of an eigenvector of an  $n \times \cdots \times n$  tensor was introduced by L. Qi in 2007. In 2013, G. Ottaviani and L. Oeding showed that the set of eigenvectors of a given  $n \times \cdots \times n$  tensor (being considered as points in the projective (n - 1)-space) can be described as the zero locus of a global section of the (suitably twisted) tangent bundle on the projective (n - 1)-space. The purpose of this talk is to use this interpretation to describe configurations of eigenvectors of  $2 \times 2 \times 2$  tensors in the projective plane. This is part of the on-going project with B. Sturmfels and A. Seigal.