ERHARD NEHER, University of Ottawa
Finite-dimensional irreducible representations of equivariant map algebras

Consider an affine algebraic variety X and a finite-dimensional simple Lie algebra L, both equipped with an action of a finite group by automorphisms and both defined over an algebraically closed field of characteristic 0. The equivariant map algebra associated to these data is the Lie algebra consisting of the equivariant maps from X to L. Examples of equivariant map algebras are (twisted or untwisted) multiloop algebras, current algebras, n-point Lie algebras, and the Onsager (Lie) algebra.

In this talk I will describe finite-dimensional irreducible representations of equivariant map algebras.

The talk is based on joint work with Alistair Savage and Prasad Senesi.