

Speaker: **Kania-Bartoszynska, Joanna**
Title: *Knots, characters and integration*
Authors: Charles Frohman, Joanna Kania-Bartoszynska
Affiliations: Boise State University

Abstract: We show how the Turaev's shadow world invariant of links in a cylinder over a compact surface can be extended away from roots of unity. As an application of this invariant we compute integrals of simple closed curves over the character variety of the surface against Goldman's symplectic measure.