Nan-Kuo Ho (National Tsing-Hua University, Taiwan)
On the moduli space of flat connections over a nonorientable surface
ABSTRACT: In this talk, I will construct a natural class of metrics for the moduli space of flat connections on a nonorientable surface, calculate the Riemannian volume of the moduli space according to these metrics, and explain the difference between ours and Witten's volume formula. If time permits, I will also talk about the Morse theory approach on computing the Poincaré series of the moduli space of flat connections over a nonorientable surface.