

## Boundary regularity of Bach flat metrics

ALICE CHANG  
(PRINCETON UNIVERSITY)

In this talk, I will report some recent joint work of Sophie Chen, Paul Yang and myself on a regularity problem of Bach flat metrics on 4-manifolds with boundary. I will discuss the setup of a matching boundary condition, an  $\epsilon$  regularity result, and as an application some compactness results for metrics of conformally compact Einstein 4-manifolds.