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# Joint Geometric Analysis Seminar

(Part of MIST program)

## *Noncompactness of the constant scalar curvature and constant boundary mean curvature equation*

*Prof. Pak Tung, Ho  
Tamkang University*

### Abstract

Suppose  $(M, g)$  is a compact Riemannian manifold with boundary  $\partial M$ . As a generalization of the Yamabe problem, one can consider the problem of finding a conformal metric to  $g$  with constant scalar curvature in  $M$  and constant boundary mean curvature on  $\partial M$ . In this talk, I will consider some noncompactness result of this problem. If time permits, I will mention some existence results obtained by geometric flow.

Date: 26 April 2024 (Friday)  
Time: 10:00 am-11:00 am  
Venue: AB1 502a

*All are Welcome*