

SPEAKER: Xingwang Xu (National University of Singapore)

TITLE: **The scalar curvature flow**

ABSTRACT: One will discuss the prescribing scalar curvature problem on the standard sphere. The flow method is known to be very powerful tool in dealing with geometric problem. One will show this powerful tool can also be adopted to the prescribing scalar curvature problem. Together with infinite dimensional Morse theory, one achieved some new results which will be reported in this talk.