

Mathematics Colloquium

**Yanyan Li**

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**On the Yamabe Problem  
and a Fully Nonlinear  
Version of It**

*We present some joint work with Lei Zhang on the compactness of solutions to the Yamabe problem. We also present some joint work with Aobing Li on the existence and compactness of solutions to a general fully nonlinear version of the Yamabe problem as well as some Liouville type theorems on the associated conformally invariant fully nonlinear equations.*

**Wednesday, October 20**

**4:00 pm**

**204 Smith Hall**