

# DIFFERENTIAL GEOMETRY/PDE SEMINAR

WEDNESDAY, APRIL 25, 2012

PADELDFORD C-36

3:50PM–5PM

On the bottom of spectrum of Laplace-Beltrami operators and  
some rigidity problems associated to the degenerate  
Monge-Ampère equation

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In this talk, I will present some joint works with Mei-An Tran on the bottom of the the continuous spectrum of Laplace-Beltrami operators in pseudoconvex domains in  $C^n$  with complete Kähler metrics, including Kähler-Einstein metric. I will also present some results on the rigidity problems and theorems associated to the degenerate complex Monge-Ampère equations.

For more information about this seminar, visit the DG/PDE Seminar Web page (from the Math Department home page, [www.math.washington.edu](http://www.math.washington.edu), follow the link **Seminars, Colloquia, and Conferences**).

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