

**Stony Brook University  
The Graduate School**

Doctoral Defense Announcement

**Abstract**

Rigidity of Conformally Compact Manifolds

By

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Rigidity problems in the context of conformally compact manifolds have been studied by several mathematicians over the past. We have proved that under certain curvature assumptions a conformally compact manifold with a pole and with round sphere as the conformal infinity, has to be isometric to the hyperbolic space. We have also sharpened a recent result by Shi and Tian.

**Date:** July 25, 2007

**Time:** 12:00 pm

**Place:** Math Tower, 5-127

**Program:** Mathematics

**Dissertation Advisor:** Michael T Anderson