# DIFFERENTIAL GEOMETRY/PDE SEMINAR

FRIDAY, OCTOBER 12, 2007
PADELFORD C-36
3:45–5PM

Area Spaces: First Steps

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We show that a Riemannian manifold of dimension at least 3 can be recovered from the space of boundaries of rectifiable integral 2-currents (the "loops") equipped with the filling area distance, and discuss possible approaches to "spaces with area structures". The talk is based on a joint work with S. Ivanov and C. Sormani.

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