Department of Mathematics
University of Notre Dame

PDE, COMPLEX ANALYSIS AND DIFFERENTIAL GEOMETRY SEMINAR

Guest Speaker: Curtis Holliman
The Catholic University of America

Date: Thursday, March 14, 2019
Time: 1:00 PM
Location: 258 Hurley Hall

Lecture Title:

Norm-Inflation and Nonuniqueness for Camassa-Holm-type equations with data in Sobolev spaces

Abstract
We consider the issues and obstructions that arise when attempting to prove well-posedness for the Camassa-Holm and related equations with rough data. The equations can exhibit the phenomena of norm-inflation and nonuniquness, and we discuss when these are likely to arise.

Curtis Holliman - The Catholic University of America