THE UNIVERSITY
*of* NORTH CAROLINA
*at* CHAPEL HILL

**Mathematics Colloquium**

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**Hodge theoretic generalizations of Satake-Baily-Borel**

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**Abstract.** There are many ways to compactify a locally hermitian symmetric space. Distinguished amongst this is a minimal compactification due to Satake. I will give a general audience introduction to a program to construct Hodge theoretically meaningful generalizations of this minimal construction. This is joint work with Mark Green, Phillip Griffiths and Radu Laza.