

Department of Mathematics and Statistics Colloquium

*What Do Circles on the Sphere, Polyhedra, and
Space-Time Have to Do with One Another?*

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Abstract: In this talk I will motivate and develop the beautiful and deep connections between the inversive geometry of circles on the 2-sphere and the strange (at least to me) geometry of Minkowski space-time. I will then show how questions in the field of circle packing translate naturally to questions about polyhedra in the Minkowski space. No prior knowledge of Minkowski space time is assumed-all necessary tools will be developed along the way.

Monday, October 22 at 3:50 in Roop 103

Refreshments at 3:30