



The Math/Stats Colloquium
Department of Mathematics and Statistics
San José State University



Steve Trettel

Univ. of San Francisco

*Modern Geometry and
Machine Learning*

WED OCT 02, 2024, MH320

Abstract: Discoveries made in pure mathematics sometimes find surprising real-world uses decades or centuries after the fact. In this talk we will explore how some beautiful ideas of the 1800s (higher dimensional curved spaces) can play integral roles in our modern quest for better machine learning models by looking at some recent work on graph embeddings.

Background: No particular background necessary.

About the speaker: Steve Trettel is an asst. prof. at the Univ. of San Francisco who works in geometry, topology and mathematical illustration. Recently he's been particularly interested in novel applications of geometry in physics and computer science, as well as pure math problems where computing accurate illustrations of what is going on helps make progress.

SNACKS IN MACQUARRIE HALL 331B AT 2:40PM

TALK STARTS AT 3:00PM

For more information, see our full schedule at:

<http://www.timhsu.net/colloq/>