Colloquia for the Week of November 6 – 10, 2017

Computer Science Department
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Stillwater, Oklahoma 74078
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COLLOQUIUM

DATE: November 10, 2017 - Friday
TIME: 10:00 – 10:50
PLACES: Stillwater: Room 203W
         Mathematics, Statistics, and Computer Science Building
         Tulsa: Room 2205, Tulsa Main Classroom Building
SPEAKER: M. E. Aktas
         Department of Mathematics and Statistics
         University of Central Oklahoma
         Edmond, Oklahoma 73034
TITLE: Using Fréchet Function in Topological Data Analysis

ABSTRACT:
Across academia and industry, there is a huge effort for new tools to analyze the vast quantities of data. Recently, topology has been used to represent and learn from the shape of data, which yields to a new area of research: Topological Data Analysis (TDA). In this talk, I will give a brief introduction to TDA. I will also talk about using a statistical concept, the Fréchet function, in TDA for image processing and network analysis.

Everyone is welcome.