

Department of Geography Colloquium

Friday, October 14, 2016

2:00 — 3:00 pm

Evans Liberal Arts 116

Reception to Follow Outside ELA 116

Making Noise with Big Data: Generative Chamber Music in Attribute Space

by Dr. André Skupin

Professor of Geography and the Founder and Co-Director of the
Center for Information Convergence and Strategy (CICS) at San Diego State University



This seminar reimagines the concept of an aerial fly-over in the context of multivariate geographic data and in combination with dynamically assembled generative sound. Instead of serving as sonification in the traditional sense, the symphonic sound accompanies an animated stream of aerial photographs that follows a high-dimensional transect across the United States, displayed concurrently with dashboard panels highlighting patterns in geographic, attribute, and textural spaces. Visually, one becomes immersed in a space of colors and textures inhabited by the aerial photographs, while the similarity relationships driving the sequence of photographs and concurrent sound are derived from a completely different space, namely a 69-dimensional space reflecting climate, soils, geology, land use/cover, and population attributes. This experiment leverages a data set of 200,000+ area features covering the continental U.S., to which the above-mentioned attributes were attached in a previous study.

For more detailed information please contact Dr. Jason Julian Jason.Julian@txstate.edu
(Colloquium Coordinator) or call at 512.245.2170.

TEXAS  STATE
GEOGRAPHY

TEXAS  STATE
UNIVERSITY

The rising STAR of Texas



If you require accommodations due to a disability in order to participate,
please contact (512) 245-2170 at least 72 hours in advance of the event.

Texas State University is a tobacco-free campus.

MEMBER THE TEXAS STATE UNIVERSITY SYSTEM