Information Science and Technology Seminar Speaker Series

Ross Maciejewski
Arizona State University

Enabling Predictive Analytics through Visualization

Monday, March 7, 2016

10:00 - 11:00 AM

TA-03, Bldg. 2690, Room 102 (CNLS Conference Room)

Abstract: With over 16 million Tweets per hour, 600 new blog posts per minute and 400 million active users on Facebook, businesses have begun searching for ways to turn real-time consumer based posts into actionable intelligence. The goal is to extract information from this noisy, unstructured data and use it for trend analysis and prediction. Current practices support the notion that visual analytics environments can play a large role in enabling the effective analysis of such data. In this talk, I will discuss my current research on developing visual analytics solutions for enabling data analysis for predictive analytics across a variety of domains. Examples will focus on crime analysis using geo-located criminal incidence reports and the use of Twitter in Box Office Movie Predictions.

Biography: Ross Maciejewski (PhD, Purdue University) is an Assistant Professor in the School of Computing, Informatics and Decision Systems Engineering at Arizona State University. Prior to joining Arizona State University Dr. Maciejewski served as a visiting faculty member at Purdue as a member of the Department of Homeland Security's Center of Excellence focusing on visual analytics (VACCINE). His work at Purdue's VACCINE Center was honored by the United States Coast Guard with a Meritorious Team Commendation as part of his work on the Port Resilience for Operational Tactical Enforcement to Combat Terrorism (PROTECT) Team. Dr. Maciejewski's recent work has actively explored the extraction and linking of disparate data sources exploring combinations of structured geographic data to unstructured social media data to enhance situational awareness. His primary research interests are in the areas of geographical visualization and visual analytics focusing on public health, dietary analysis, social media, and criminal incident reports. He has served on the organizing committee for the IEEE Conference on Visual Analytics Science and Technology (2012-2013, 2015) and the IEEE/VGTC EuroVis Conference (2014-2016) and has been involved in award winning submissions to the IEEE Visual Analytics Contest (2010, 2013 and 2015). He is a Fellow of the Global Security Initiative at ASU and the recipient of an NSF CAREER Award (2014). For more information on his current work visit vader.lab.asu.edu.

For more information contact the technical host, Curt Canada, cvc@lanl.gov, 665-7453