SEMINAR
Co-Sponsored by the University of California
Transportation Center (UCTC)

Friday, May 30, 2014
12:30 – 1:30 pm
Seminar Room 4080 AIR Building

SPATIAL TRANSPORTATION ANALYSIS: THE FINAL FRONTIER?

Thomas A. Horan, Professor
Brian Hilton, Associate Clinical Professor
Claremont Graduate University

Abstract

Advances in spatial technologies, specifically geographic information systems (GIS), are allowing new and innovative forms of transportation research. Drs. Horan and Hilton will present findings from recent research at their Advanced GIS Lab. These innovations include several undertakings in transportation safety, and more recently, spatial analysis of freight rail and community development. The transportation safety work has highlighted the extensiveness of rural safety problems and the regional freight research has linked economic cluster analysis with community development. The aim of this research is to provide policy makers and citizens with an understanding of transportation's spatial dimension in a manner that can inform policies aimed to improve transportation's safety and community impacts.

Dr. Horan is Professor and Director, Center for Information Systems and Technology, Claremont Graduate University. Dr. Horan has over 25 years experience in transportation research, including Intelligent Transportation Systems (ITS) and Geographic Information Systems (GIS). He has published over 140 articles and has led several national studies on rural transportation safety, emergency response systems, and transportation community impacts.

Dr. Hilton is Associate Clinical Professor and Director, Advanced GIS Lab, Center for Information Systems and Technology, Claremont Graduate University. Dr. Hilton has 15 years experience is GIS and led the creation of the founding Esri Development Center (EDC) at Claremont Graduate University.

Drs. Hilton and Horan's work on GIS and transportation safety were recently showcased at the White House's Open Data Initiative Conference.