Earth and Environmental Science Seminar Series

Jointly hosted by the Department of Geology and the Environmental Science Program

Stream Modification and Burial within Etch-A-Sketch (Urban) Landscapes

Dr. Jacob Napieralski, PhD
Professor of Geology and Director of GIS Program
Department of Natural Sciences
University of Michigan - Dearborn

Friday February 23rd at 12:30 pm | Old Main Room 0319
Reception and refreshments to precede 40 – 50 min seminar followed by time for questions

Abstract: Jacob currently researches the geography and history of urban stream burial and the intensity of channel modification in heavily urbanized landscapes. His seminar will cover research from several interrelated urban stream projects, including: “A century of stream burial in Michigan (USA) cities”; “Urban stream deserts as a consequence of excess stream burial in urban watersheds”; and “Urban stream deserts: Mapping a legacy of urbanization in the United States”.

Biography: Dr. Jacob Napieralski received an M.S. (2002) from Buffalo State College, where his research focused on modeling impact of combined sewer overflows on Lake Erie water quality. His education continued at Purdue University, receiving a Ph.D. (2005) for geospatial and field research on the Fennoscandian Ice Sheet. Since settling in Dearborn in 2005, his teaching and research interests typically involve geospatial technology, geomorphology, urban landscapes, and coupled natural and human systems. He was a U.S. Fulbright Research Scholar to Cyprus (2012), where he collaborated with the Cyprus Geological Survey Department on several soil and water conservation projects. He received the Distinguished Teaching Award from the University of Michigan-Dearborn (2011) and is currently a University of Michigan-Dearborn Provost Faculty Fellow, where he is contributing to numerous campus-wide initiatives.