Name: Thomas W. Crawford

STAC Member Since: May 2010

Title: Associate Professor

Department: Geography

Organization: East Carolina University

Education: PhD Geography, University on North Carolina at Chapel Hill (2000)

MA Geography, University on North Carolina at Chapel Hill (1994) BA Mathematical Economics, Wake Forest University (1988)

Primary Focus Area: human dimensions of environmental change, GIS/RS, land use

Secondary Focus Area(s): coastal hazards, demographic analysis

Career Experiences: Dr. Crawford is a geographer specializing in spatial analysis of human-environment systems. Since coming to ECU, he has focused on similar issues related to coastal development and land use change in North Carolina. He has expertise in working with a wide area of secondary social science data sets (i.e. Census, PUMS, etc.), household level survey data related to coastal hazards and 2nd home development and digital imagery and related derived products within a geospatial context. Other work includes investigation of geovisualization products for coastal hazards (e.g. hurricane "cone of uncertainty" and shoreline erosion). Dr. Crawford directs ECU's Center for Geographic Information Science and is a faculty associated with ECU's Center for Natural Hazards Research and Center for Sustainable Tourism. He also is engaged with coastal hazards research in collaboration with researchers from ECU's Renaissance Computing Institute (RENCI). He recently has been involved in developing methodologies to project future population and land use patterns as part of the North Carolina Sea Level Rise and Risk Management Study.