

# Abstract

## **Designing an Integrated Street Centerline Geodatabase**

**Track:** Transportation

**Author(s):** Twyla McDermott, Ronald Butcher

In February 2003, departments of the City of Charlotte and Mecklenburg County, North Carolina joined forces to advance the capabilities of their collective street centerline resources. This collaborative team strives to improve the efficiency and capability of street centerline resources and to merge multiple street centerline databases into a single, comprehensive, well-designed geodatabase that will manage the data needs from the transportation department to the police and other public safety departments. This presentation describes the involvement of more than 15 departments and the evolution of a vision to synchronize centerline activities that will meet the business needs of all users. Business processes for these organizations were organized and streamlined to focus on a common goal—improving information management for street data. The database design was based on significant work of the UNETRANS Council.

### **Twyla McDermott**

City of Charlotte

BSS-IT

600 East Fourth Street

Charlotte , NC 28202

USA

**Phone:** 704.336.8066

**Fax:** 704.336.3497

**E-mail:** [tmcdermott@ci.charlotte.nc.us](mailto:tmcdermott@ci.charlotte.nc.us)

### **Ronald Butcher**

Woolpert LLP

GIS

8731 Red Oak Boulevard

Suite 101

Charlotte 28217

USA

**Phone:** 704.525.6284

**Fax:** 704.525.8529

**E-mail:** [ron.butcher@woolpert.com](mailto:ron.butcher@woolpert.com)

