

## **Web Enabling Virginia DOT's Roadway Network System GIS Data**

### **Presenter**

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The availability of accurate and up-to-date GIS road network data has become critical for many of today's modern systems, especially in the transportation industry. The Virginia Geographic Information Network (VGIN) has, over the past several years, been working hard to improve its road centerline GIS data. The Virginia Department of Transportation (VDOT) Roadway Network System (RNS) team has been augmenting that data with various measures to create an accurate Linear Referencing System based on the road centerline data. This presentation will discuss how we have successfully taken the latest RNS information and deployed it to the Internet for use by several real-world applications. This presentation will highlight the systems used to deploy the data, the Internet standards used to access the data, and some of the applications that are currently using the data. A demo will be presented of one such application, highlighting its use of the RNS data currently available via the Internet.