Abstract

Mobile GIS Goes Field-Centric
Track: New Technology and Technology Integration
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In the past two years, new technology has made it possible to move GIS data collection from an office-centric focus to a field-centric one. Four merging technologies have led the way: hardware, software, GPS, and wireless communications. Together they have made mobile GIS a reality. ArcPad has become the software centerpiece to a field-centric focus. In the past, digitizing, scanning, field notes, and photogrammetry were favored for populating GIS layers. This presentation will examine how a field-centric mobile GIS allows GIS users to easily update, verify, modify features, and collect previously unrecorded features on the fly and transmit the results over a wireless network.

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