

2015 GIS-T Symposium Review



GIS-T

Crossroads in the Heartland

DES MOINES, IOWA ■ APRIL 19-22, 2015

TAPE Meeting
May 28, 2015

Symposium Overview



- The American Association of State Highway and Transportation Officials (AASHTO) sponsors the annual GIS for Transportation Symposium.
- Opportunity for persons in government and private industry who are interested in the use of GIS for transportation purposes to get together and share experiences, see state-of-art software, and learn more about this field.
- The Symposium annually attracts over 400 Symposium registrants in addition to the 30 exhibitors in the technology hall.
- Annually held since 1989
- First year symposium held in Iowa

Symposium Resources



- Main Website: <http://www.gis-t.org/>
- Final Program: <http://www.gis-t.org/Program/>
- Presentations: <http://www.gis-t.org/proceedings/>
- Attendance Roster: <http://www.gis-t.org/attendee-roster/>
- State Summary: <http://www.gis-t.org/state-summary/>
 - GIS Survey and Results
 - Roll Call (each State, Canadian Providence, and Federal Agency 2-3 minute update)

Noteworthy Presentations



- **Concurrent Session 1**
 - [1.3.1: Latest Developments in the National Transportation Atlas Database and Future Direction](#) (Adam)

Noteworthy Presentations



- **Concurrent Session 2**
 - [2.4.3: Mapping Bike Share Trips: A Spatial Approach to Evaluating Supply and Demand for On-Street Bicycle Facilities in New York City](#) (Jeff)

Noteworthy Presentations



- **Concurrent Session 3**
 - [3.3.1: Spatially enabling the STIP at South Carolina DOT](#)
(Adam)

Noteworthy Presentations



- **Concurrent Session 4**
 - [4.2.1: Overview of the Second Generation of the Iowa Statewide Travel Analysis Model \(iTRAM\)](#) (Eric & Jeff)
 - [4.2.3: Developing Travel Shed TAZ Using ArcGIS](#) (Eric & Jeff)
 - [4.3.2: Developing interactive mapping for supporting county roads improvement and transportation planning](#) (Eric and Jeff)
 - [4.3.3: CTPP Crash Course – Emphasis on new mapping capabilities](#) (Phil)
 - [4.4.2: Enabling elevation information on a road network for routing applications](#) (Adam)

Noteworthy Presentations



- **Concurrent Session 5**
 - [5.2.1: Geospatial Data Collaboration: Tools for Data Sharing](#)
(Adam)

Noteworthy Presentations



- **Concurrent Session 6**
 - [6.3.3: Crowdsourcing Strategies Involving Users in Pedestrian System Inventory and Analysis](#) (Adam)
 - [6.4.3: Calculating Cumulative Non-Negative Elevation Gain for Bicycle Route Choice Modelling](#) (Eric)

Noteworthy Presentations



- **Concurrent Session 7**
 - [7.3.2: Iowa DOT Interstate Condition Evaluation \(ICE\) Tool](#) (Adam)
 - [7.3.3: Iowa Pavement Management Program: Towards a more interactive asset management paradigm for local agencies](#) (Adam)
 - [7.4.1: Automated Turning Movements and Traffic Counts Using Video Analytics](#) (Eric)
 - [7.4.2: Improving Traffic Data Collection and Analysis using Innovative Technologies](#) (Eric)
 - [7.4.3: Transferability of Activity-Based Travel Demand Model to Small/Medium Size Region](#) (Eric)

Miscellaneous Updates



- INRIX and GIMS data mashups via LRS
- Iowa DOT data inventory and metadata
- Vendor Booths
 - Infogroup
 - ✦ Online Tool (State Employees Only – Not available yet)
 - US Census Bureau Resources (handouts)
 - ✦ Geodatabases ([WWW](#) | FTP)
 - ✦ APIs ([Data](#) & [Geocoder](#)), [WMS](#), and [REST services](#)

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