2015 GIS-T Symposium Review

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/](http://www.gis-t.org/)
- **Final Program:** [http://www.gis-t.org/Program/](http://www.gis-t.org/Program/)
- **Presentations:** [http://www.gis-t.org/proceedings/](http://www.gis-t.org/proceedings/)
- **Attendance Roster:** [http://www.gis-t.org/attendee-roster/](http://www.gis-t.org/attendee-roster/)
- **State Summary:** [http://www.gis-t.org/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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