

2nd National GIS in Transit Conference Final Program

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Sunday, May 16, 1999

- 12:00 - 3:00 PM **Registration, Vendor Set Up**
- 4:00 PM Group Departs for Welcome Reception at Busch Gardens, Tampa
- 4:30 - 9:30 PM Busch Gardens, Tampa - Admission to Theme Park, Dinner, and Entertainment
- 9:30 PM Group Departs for Hotel

Monday, May 17, 1999

- 7:00 AM **Registration**
- 8:00 AM **Continental Breakfast**
- 9:00 AM **1. Opening Session**
- Welcome-Introductions, Steven Polzin
Welcome to USF, Gary Brosch
FTA Introduction, Mathew Rabkin
FTA Welcome, Walter Kulyk
The Transit GIS Opportunity, Walter Kulyk
FTA National Transit GIS: Status and Plans, William Wiggins
- 10:15 - 10:30 AM **Refreshment Break**
- 10:30 - 12:00 PM **2. General Session - Evolving GIS Capabilities: Industry Perspective**
- Moderator: Matthew Rabkin, US DOT Volpe National Transportation
Systems Center
- Panelists:
John Attanucci, Multisystems, Inc.
David Maguire, Environmental Systems Research Institute, Inc. (ESRI)
Howard Slavin, Caliper Corp.
- 12:00 - 1:00 PM **Lunch - Guest Speaker:**
- Transit & Geographic Information Systems - A Look Forward*
Jack M. Reily, Capital District Transportation Authority

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Monday, May 17, 1999

1:30 - 3:00 PM Concurrent Sessions

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3. Concurrent Session I: Developing and Applying GIS Capabilities to Public Transportation I

Moderator: Joel Volinski, CUTR

The Transit GIS Tool Box -A Visual Basic/Map Objects Application for Transit Operations and Planning

Michael Berman, Seattle Metro

Miami-Dade County GIS-based Integrated Transportation Management System

Girish Kumar, Ramon Alvarez, Jesus Guerra, David Plummer & Associates, Inc.

Building Applications to Support the Effective Use of GIS by NYS Transit Operators

Jim Davis, William Telovsky, Thomas Vaughan, New York State Department of Transportation

GIS Transit Network Coding System

Gustavo Baez and Chunxi Chi, North Central Texas Council of Governments
Jingke Chen, Houston-Galveston Area Council

4. Concurrent Session II: GIS Applications to Support Paratransit Service Delivery

Moderator: Ram Pendyala

ADART - Autonomous Dial-a-Ride Transit: A Practical GIS/ITS Application

Robert Dial, US DOT Volpe National Transportation Systems Center

GIS Based Support System for On-Demand Flexroute Transit Service

Brian L Smith, University of Virginia, Priya Durvasula, ALK Associates, Stephen Brich, Virginia Transportation Research Council

GIS Based Paratransit Routing & Scheduling to Improve Fleet Efficiency

Marc Kratzschmar, ESRI

5. Concurrent Session III: Making GIS Work: Planning and Implementation (Workshop Session)

Moderator: Shirley Hsiao, Orange County Transit Authority (OCTA)

GIS project life cycle, strategic integration with intelligent transportation systems, interface with existing operations programs, comprehensive versus modular development, staffing versus outsourcing, sustaining data sources through standardization

Terry Bills, John Sutton, Xiaobo Zhang, OCTA

3:00 - 3:30 PM Refreshment Break in Exhibit Hall

3:30 - 5:00 PM **Concurrent Sessions**

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6. Concurrent Session I: Developing and Applying GIS Capabilities to Public Transportation II

Moderator: Dennis Hinebaugh

GIS Transit Applications in Fairfax County, VA

Brendan Ford, Fairfax County Geographic Information Services

Wenyu Jia, Fairfax County Department of Transportation

Evaluating Accessibility and Optimizing Locations of Transit Service Facilities Using GIS

Shashi Nambisan, Srinivas Pulugurtha, Nanda Srinivasan,

Transportation Research Center at University of Nevada, Las Vegas

GIS Regional Transit Database Architecture

Emilio Escudero, Metropolitan Transportation Commission,

Oakland, CA, John Sutton, GIS/Trans, Ltd.

Measuring Transit Availability with GIS

Jon Ausman, Florida Department of Transportation

7. Concurrent Session II: Rural Transit GIS Applications

Moderator: William Wiggins, FTA

Small Rural Operations Integrating ITS

Steven Jones, Flagler County Council on Aging

The Evolution of Rural Transit using GIS

Mary Constiner, Florida Commission for the Transportation Disadvantaged

Development of GIS Model to Improve Access to Jobs

Anna Nalevanko, Institute for Transportation Research and Education (ITRE)

North Carolina State University

GIS as a Flexroute Planning Tool

Will Davis, Santee Wateree, RTA, Sumter, SC.

8. Concurrent Session III: GIS Applications in Customer Information

Moderator: Phil Winters, CUTR

Using GIS and the Internet to Provide Interactive Transit Customer Notification

Brian Smith, University of Virginia

D-DOT Automated Travel Information Management System (ATIMS)

Glenn Robinson, Detroit Department of Transportation (D-DOT)

A Web-Based Bus Information System

Jong Sung Lee, Jeny Baumgatner, Tschangho John Kim, University of Illinois at Urbana-Champaign

5:00 PM

Adjourn for the Day

Tuesday, May 18, 1999

7:00 AM

Registration

7:30 AM

Continental Breakfast

8:30 - 10:00 AM

Concurrent Sessions

9. Concurrent Session 1: Developing and Applying GIS Capabilities to Public Transportation III

Moderator: Ike Ubaka, Florida Department of Transportation

Considerations in the Design of a GIS-based Tool for Visualizing Land Use-Transportation Interactions

Fang Zhao, Florida International University, Scott Burton, Marie York, John O'Brien, Florida Atlantic University/ Florida International University Joint Center for Urban Studies, Jo Penrose, Florida Department of Transportation

Measuring Transportation Accessibility

Richard Stasiak, Xuehao Chu, Steven Polzin, CUTR

Building an ITS Using GIS

Alan Bridwell, Johnson City Metropolitan Planning Organization
Glenn Berry, Geo Decisions, Inc.

An Assessment of Desktop GIS Tools for Transit: Successes and Lessons Learned in San Diego

Linda Culp, Jeff Martin, San Diego Association of Governments

10. Concurrent Session II: GIS Applications in Rail Transit Station Area Development

Moderator: Ronald Sheck, Transit Solutions

Transit Station Area Land Use/Site Assessment with Multiple Criteria:

An Integrated GIS-Expert Systems Prototype

Reza Banai, University of Memphis

Using GIS for Rail Transit Station Area Planning and Development in Florida

Ronald Sheck, Transit Solutions

GIS Applications in Rail Station Area Planning

Louis Millan, New Jersey Transit Planning

Using GIS to Plan for Transit Oriented Development in Maryland

Stuart Sirota, Parsons Brinckerhoff Quade and Douglas

10:00 - 10:30 AM

Refreshment Break in Exhibit Hall

10:30 - 12:00 PM

Concurrent Sessions

11. Concurrent Session I: GIS Applications in Service Planning

Moderator: Linda Culp, San Diego Association of Governments

Using GIS to Evaluate Multimodal Travel Patterns at Dallas Area Rapid Transit

Susan Bregman, Kristin Santangelo, Multisystems, Inc.

Gary Hufstedler, Dallas Area Rapid Transit

Planning and Analyzing Transit Networks: An Integrated Approach Regarding Requirements of Passengers and Operators

Markus Friedrich, PTV System

Using GIS for Transit Service Planning

James Wensley, James Marks, Multisystems, Inc.

Using GIS to Enhance Transit Service Planning

Brad Thompson, Pace Suburban Bus

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12. Concurrent Session II: Melting GIS into Transit Planning, GIS Ingredients for Public Transit (Workshop Session)

Moderator: Shirley Hsiao, OCTA

Passenger counting, scheduling and run cutting, passenger information systems, bus stop maintenance, passenger on time destination study, transit accessibility analysis, transit routing design and resource allocation

12:00 - 1:00 PM

Lunch

1:30 - 3:00 PM

Concurrent Sessions

13. Concurrent Session I: Access to Jobs

Moderator: Beverly Ward, CUTR

A Transit Access Analysis of Temporary Assistance for Needy Families (TANF) Recipients in the City of Portland, Oregon

Thomas Sanchez, Portland State University

GIS Application in Evaluating Access to Day Care and Employment

Martin Catala, Jennifer Hardin, CUTR

Spatial Analysis as Related to Welfare-to-Work Planning

Steve Smith, Trapeze Software, Inc.

Applying GIS to Welfare-to-Work: A Summary of Best Practices

David Koses, Kristin Santangelo, Russel Thatcher, Multisystems, Inc.

14. Concurrent Session II: Data, Data, Data

Moderator: Larry Pham, APTA

Census and Journey to Work Data

Celia Boertlein, US Census Bureau

Nationwide Personal Travel Survey/American Travel Survey

Susan Liss, Federal Highway Administration

Data

John Moeller, NSDI

Transit Networks

Larry Harman, L. J. Harman Consulting

3:00 - 3:15 PM

Refreshment Break in Exhibit Hall

3:15 - 5:00 PM

15. General Session - Wrap Up, State of the Practice

Moderator: Steve Polzin, CUTR

Data Quality, Data Sharing

Bruce Spear, Bureau of Transportation Statistics

GIS Tools

Lyna Wiggins, Rutgers University

State of the Practice

Larry Harman, L. J. Harman Consulting

Organizational Issues

John Attanucci, Multisystems, Inc.

FTA Reflections

Walter Kulyk

5:00 PM

Adjourn

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