

Geographic Information Science and Applications Committee (ABJ60)

James Hall and Cesar Quiroga, Co-Chairs
Transportation Research Board, 93rd Annual Meeting

Business Meeting (Tuesday, January 14, 2014, 7:30 PM–9:30 PM, Hilton, Columbia Hall) MEETING MINUTES

Welcome and Introductions – Cesar Quiroga

Roster Update and Approval of 2013 Annual Meeting Minutes – Cesar Quiroga

- Minutes available at <http://abj60.net>
- Hard copies were not distributed at the business meeting

2014 Annual Meeting Activities

| No. | Sponsor | Function Title | Location | Time |
|-----------------|---|---|--|---------------------------------------|
| Workshop 133 | ABJ30, ABJ60, ABJ70, ABJ95, AHB15 | Big Data and Open Data for Transportation Services and Public Engagement | Hilton, Columbia Hall 6 | January 12, 2014 9:00AM - 12:00PM |
| Workshop 140 | ABJ60, ABJ95 | National Geospatial Resources for Transportation Decisions | Hilton, Jefferson East | January 12, 2014 9:00AM - 12:00PM |
| Workshop 148 | ABJ50, ABJ60 | Sensing Technologies for Transportation Applications | Hilton, Columbia Hall 11 | January 12, 2014 9:00AM - 12:00PM |
| Session 353 | ABJ60 | Advances in Geospatial Technology Applications in Transportation | Hilton, Georgetown East | January 13, 2014 1:30PM - 3:15PM |
| Session 413 | ABJ30, ABJ60, AP000 | Future Directions for Transit Geographic Information Systems | Hilton, Columbia Hall 6 | January 13, 2014 3:45PM - 5:30PM |
| Session 667 | ABJ60, ADC10, ADC30, ADC50 | Programmatic Approaches to Environmental and Historic Preservation Review | Hilton, Jefferson East | January 14, 2014 3:45PM - 5:30PM |
| Session 732 | ABJ60, ABJ95, AFB70, AFH10, AFH30 | Innovative Tools, Technologies, and Best Practices Involving Virtual Design and Construction: Three-Dimensional Model-Based Planning-Design-Construction for Transportation Projects | Marriott, Virginia B | January 15, 2014 8:00AM - 9:45AM |
| Session 758 | ABJ00, ABJ20, ABJ25T, ABJ60 | Public Road Data Requirements, Part 1 | Hilton, Jefferson West | January 15, 2014 8:00AM - 9:45AM |
| Session 807 | ABJ00, ABJ20, ABJ25T, ABJ60 | Public Road Data Requirements, Part 2 | Hilton, Jefferson West | January 15, 2014 10:15AM - 12:00AM |
| Session 812 | ABJ60, ABJ95, AFB70, AFH10, AFH30 | Applying Virtual Design and Construction Three- Dimensional Modeling and Technologies to Transportation Planning-Design-Construction Projects: Project Case Studies and Lessons Learned | Marriott, Thurgood Marshall West | January 15, 2014 2:30PM - 4:00PM |

- Paper reviews. Jessica Guo indicated that 11 papers were reviewed with 6 recommended for presentation (4 lectern and 2 poster) and 2 recommended for revision and resubmittal towards publication. Cesar thanked the ABJ60 committee members and friends for completing their reviews in a timely fashion. Cesar expressed special appreciation to Jessica Guo for coordinating the review process for the committee.

- James Hall noted that this will be a rotation year for the committee and approximately one third of the members would transition off the committee. Typically members can serve a maximum of nine years and many of these long-time members would transition off. However, they would continue to be included as friends of the committee. James thanked them for their years of service. James invited nominations for new members, particularly for those ABJ60 “friends” who have been active in paper review and other committee activities. He was also noted the TRB initiative to increase the number of state DOT members.

2013 Initiatives and Reports

- Cesar reported on the ABJ60 2013 midyear meeting at the GIS-T Symposium, in Boise, Idaho. The midyear meeting was held in conjunction with ABJ50, Information Systems and Technology Committee. Minutes are available on the Committee website.
- Randy Murphy reported on the Aviation Geographic Information Systems and Data Joint Subcommittee (AV070, ABJ60). Ongoing research areas included GIS/CAD/BIM integration, remote sensing applications and emerging technologies.
- Outreach to Environmental Community – Joe Burns
- Computational Transportation and Society (ABJ30 and ABJ60) – Piyushimita Thakuriah (Vonu) reported on activities on the ABJ30(2) Subcommittee. Vonu announced that the University of Illinois at Chicago (UIC) would be hosting an NSF sponsored workshop aiming to establish a multidisciplinary research community on Big Data and Urban Informatics on August 11-12, 2014 in Chicago, Illinois.
- Outreach to Asset Management Community. James Hall discussed the NCHRP 8-87 project on successful practices in GIS-based Asset Management currently under development.
- Outreach to Safety Community. James Hall reported that the safety community has continued to expand GIS applications with their crash data and roadway data improvement program efforts, ABJ60 is working with the TRB safety committees and FHWA to identify collaborative areas of research.
- James Hall noted that the report on E-Circular E-C176 of the proceedings of the FHWA/AASHTO GIS-T Peer Exchange on Integrating Spatial and Business Data for Improved Decisions is available at:

<http://www.trb.org/Publications/Blurbs/169593.aspx>

- ABJ60 Communication Coordinator report. Martin Catala reported on the web site and listserv activities. He urged members and friends to share and post information on both. He also invited those that are interested in authoring articles on the website to reach out and he would provide access to the website.
- TRB Staff and Data Section Reports. ABJ00 Data Section Chair, Joe Schofer updated the Committee on Section activities and noted the theme for 2015 TRB will be “Corridors to the Future: Transportation and Technology.” Tom Palmerlee reported on TRB attendance and paper submittals. He highlighted the need for committee members to help

with the paper review process. He also indicated that the 2015 TRB Annual Meeting will be at the DC Convention Center.

- Tom Palmerlee noted that Cesar Quiroga would be stepping down as co-chair this year. Tom thanked Cesar for his six years of service as co-chair and 12 years membership on the ABJ60 Committee. He said that Cesar's service as chair was particularly exemplary and he thanked him for his inspiring leadership in advancing Committee activities. James Hall also thanked Cesar for serving as an effective and welcoming mentor.

Presentations

The meeting included the following presentations:

- Conference Report, Future Directions for Transit GIS – Martin Catala
- National DOT GIS Activities – Tom Roff (FHWA)
- GIS Initiatives at BTS – Steve Lewis (USDOT, BTS)
- SHRP2 C40A Project, Geospatial Resources for Ecology and Transportation – Stephen Andrie (TRB, SHRP 2)
- Iowa DOT's approach to CAD/Integration – Shawn Blaesing-Thompson (Iowa DOT)

Future Initiatives

The following 2014 events were discussed at the meeting:

- 2014 GIS-T Symposium, Burlington, Vermont, May 5-8, 2014. The committee will have its midyear committee meeting in conjunction with this event.
- National Conference on Transportation Asset Management, Miami, Florida, April 28-30, 2014.
- NATMEC: Improving Traffic Data Collection, Analysis, and Use, Chicago, Illinois, June 29 – July 2, 2014.
- Critical 2015 Annual Meeting deadlines
 - Calls for papers (early May)
 - Workshops (June 1)
 - Proposed conference sessions (Summer)
 - Paper submission (August 1)

Attendees

Attendees

Cesar Quiroga (Co-chair), Texas A&M
Transportation Institute

James Hall (Co-chair), University of Illinois-
Springfield

Billy Bachman (Member), WESTAT

Terry Bills (Member), ESRI

Joseph Burns (Member) US Forest Service

Martin Catala (Member), CUTR/ University of
Southern Florida

Jessica Guo (Member), Parsons Brinkerhoff

Mark Horner (Member), Florida State University

Sue Kimbrough (Member), USEPA

Peggi Knight (Member), Iowa DOT

Steve Lewis (Member), USDOT

Randy Murphy (Member), Grafton Tech

Barbara Ostrom (Member), AMEC
Environmental & Infrastructure

Zhong-Ren Peng (Member), University of
Florida

Wayne Sarasua (Member), Clemson University

Mark Sarmiento (Member), FHWA

Yamen Alsalami, Catholic University of America

Sai Dirya Anne, University of Minnesota –
Duluth

Bruce Aquila, Intergraph Corporation

Juan Barrias, West Virginia University

Shawn Blaesing-Thompson, Iowa DOT

Ben Bradford, Kentucky Transportation Center

Pedro Camargo, Maricopa Association of
Governments

Tom Clemmons, Bentley

Matthew Del Muro, University of Southern
California

Jeff Dickey, Louisiana State University

Tony Fields, Kentucky Transportation Center

Zenobia Fields, North Jersey Transportation
Planning Authority

Mark Finch, Washington State DOT

David Fletcher, GPC, Inc.

Charles Gorugantula, Mid-America Regional
Council

Eric Green, University of Kentucky

Connie Gurchiek, Transcend Spatial Solutions

Leslie Harwood, Virginia Tech

Hartwig Hochmain, University of Florida

Mara Kaminowitz, Baltimore Metropolitan
Council

Nimish Kharmadhikari, Upper Great Plains
Transportation Institute

Skylar Knickerbocker, Iowa State University

Ezgi Kundakci, Middle East Technical University

Eunsu Lee, North Dakota State University

Michelle Lee, RSG

Eric Li, Texas A&M Transportation Institute

Chao Liu, University of Maryland

Hsiao-Hsuan Liu, University of Illinois Urbana-
Champaign

Jean-Michael Marcelin, Florida State University

Scott Marler, Iowa DOT

Andrew McKinney, Kentucky Transportation
Cabinet

Maaza Mekuvia, City of Oakland

Inya Nlenanya, Iowa State University

Tom Palmerlee, TRB

Lisa Park, American Transportation Institute

Angela Parsons, Alaska DOT & PF

John Ripy, Kentucky Transportation Center

Tom Roff, FHWA

Jeff Western, Western Management
Consultants

Joseph Schofer, Northwestern University

Jesus Aquilar Serrano, University of Illinois
Urbana-Champaign

Zhigang Shen, University of Nebraska-Lincoln

Alan Smith, Washington State DOT

Piyushimita Thakuriah (Vonu), University of
Glasgow, UK

Stephen Welman, MITRE Corporation

Hui Wu, University of Texas at Austin

Jianhong (Cecilia) Xia, Curtin University