

ABJ50 Information Systems and Technology Committee Meeting
Tuesday, January 9, 2018
1:30 – 5:30

1:30 Welcome – Shannon Barnes, ABJ50 Chair

1:35 Introductions

Attendees: Members - Shannon Barnes, Shawn Blaesing-Thompson, Terry Bills, April Blackburn, Mike Bousliman, Colin Brooks, Meredith Cebelak, Dominic Menegus, Nora El-Gohary, Kevin Green, Frances Harrison, Edgar Kraus, Zhixia Li, Steven Parker, Murali Rao, Yelda Turkan, Yin Hai Wang, James Yarsky, Guohui Zhang – **Friends** - Annette Dunn, Barry Einsig, Beyan Johnson, Bill Taylor, Brian Tertreault, David Burton, Farroich Jazizadeh, Jeff Neal, Jeff Rockower, Joe Kirk, Mark Sarmiento, Matt Rensch, Omar Camacho, Kevin Pete, Ping Yi, Steven Blumenfeld, Stuart Thompson, Susan Spencer, Tom Fusting

1:45 ABJ50 Sensing Sub-Committee Report- Colin Brooks

See Link for more details. https://www.abj50.org/subcommittees/sensing-technologies/abj501_stsubcommittee_agenda_minutes_jan9_2018

Paper Review Process -

Papers – 23 submitted, about half accepted for presentations, and 8 recommended as papers. If interested in helping let us know. Update your areas of expertise, make sure if you get a paper assigned to you to accept or reject the request for review quickly so it can be reassigned if it out of area of expertise.

Research Subcommittee

Edward Krause is the new research subcommittee lead. Two RNS were submitted but neither of them got anywhere this year. Interest in setting up regular calls to develop ideas and writing up the RNS/solicit support, etc. Could also be successful by working on a synthesis statement. NCHRP cybersecurity subcommittee is collecting ideas for the NCHRP roadmap.

Francis is serving as the coordinator for the whole data section. They put together a spreadsheet with all the RNS statements, their status, etc. Also writing up the process for how it works. NCHRP puts out a sheet with comments for all of the RNS that don't get moved forward – note follow up with Francis for this.

AFH10(1) had 9 RNS and 2 that were funded – Nora will report on these.

CIO Group

Interest in continuing the DOT CIO Meeting in April in CA. Could also maybe rotate and be hosted by different CIOs. Possible to have TRB or GIS-T team provide conference support to the CIO group.

Mid-year meeting is planned as a conference call.

2:05 ABJ50 2018 –2020 Triannual Strategic Plan- Shannon Barnes
See notes in document

2:45 Break

Resilience innovation summit – RISE – October 8-10, 2018, Denver, CO

3:00 Update on US DOT activities – Dan Morgan, USDOT Chief Data Officer
Federal IT modernization is still an emphasis – <https://itmodernization.cio.gov/>
Still working on centralization of data. Working on more consistent processes. Working with the GIO on shared data services for sharing information and visualization. ([Chief technology officer position just](#) closed) Integrating disparate datasets.

TRB Data Leadership – Tom Palmerlee, Jack Stickel (Data Section Lead)
BTS has a new consolidated website. TSPs are due in Feb (draft) March (final). Four new categories for the blue ribbon (need by late Aug). 2019 TRB Transportation for smart sustainable equitable future

3:15 Sub-Committee for Information System in Construction Management Report – Nora El-Gohary

Minutes can be found at this link

https://www.abj50.org/afh101_iscm_briefreportactivities1_09_2018/. Looking for ideas for sponsors for the RNS statements that are in the queue.

3:30 Doug Couto – Transportation and Transit Updates, Technology Survey Findings, SMART city topics of interest and other key Industry activities

Doug's presentation link <https://www.abj50.org/techwhatsnew2018v1/>

Cyber Security subcommittee notes

<https://www.abj50.org/cybersubcommitteeerpt2018/>

Get presentation from Doug. ITS conference is in June and will have a cyber security session similar to what we had here at TRB.

3:45 **Rapid Fire Session – Kevin Green**

Join an interactive session driven by your peer IT Leaders to discuss the current issues that they are facing, describe approaches that were successful and pull ideas from the audience. In quick 5 minute segments, the presenter describes a key business issue along with the strategy used to address it and over the next 10 minutes, the audience is invited to participate to provide alternative strategies and ideas as well as confirmation of using a similar strategy at their agency. At the end of the session, the participants are armed with strategies, tools and an expanded network of professionals to assist them to address today's challenges and disruptive technologies

- ✓ Mike Bousliman (Montana DOT) – Data Governance – want to integrate this with regular business. Planning to do outreach across the agency, develop guiding principles: data stewards (data owner and their responsibilities – data sharing importance), educate senior leadership, work on the data architecture.
- ✓ Annette Dunn (Iowa DOT) – Mobile Driver License, how will this work? – Planning to roll this out in the future, after doing a pilot last year. Posted an RFP – design branding, application support, independent testing, ?? – has to have standardization, interoperability – could leverage for Medicaid, or tax returns, My Iowa App, etc.
- ✓ Colin Brooks (Michigan Tech Research Institute) – Using a Data Framework to manage large data sources: An example from drone research – What should a DOT do with all the data developed from UAS data collection. The DOT could focus on the derived product – seamed aerial imagery, thermal imagery, etc. Need to know how it was created, accuracy, collection standards, hardware used, time of day, etc. (metadata) – open source viewing portal (leaflet) – what is the purpose this data serves - improving bridge inspection, traffic monitoring, emergency response – storing data with the state of Michigan to be stored with their information feeding their AI systems.
- ✓ Bill Taylor (Ohio DOT) – Smart cities - aligning operations technologies with IT Systems - Columbus (city of) won \$40m for a smart cities grant and then DOT needed to be involved. Growing as the governor has taken interest. DOT doesn't want to lead. Smart Columbus data exchange – what data is needed? how will it be used? DOT is building some open data and open source tools that others can use.
- ✓ Kristie Chin (University of Texas at Austin Center for Transportation Research (CTR)) – Smart Texas – TxDot, Cities, MPOs all part of the Texas innovation alliance. Identifying commonalities Focused on a people first problem based approach. Identified top 12 priorities – equity and access, etc.

5:00 Future Research Needs and Workshops – Edgar Kraus – different avenues for things to be researched – can do a synthesis or submit and RNS to NCHRP for review. Need to ideas for RNS, people to help write them, and agencies to sponsor them.

5:15 Wrap Up

5:30 Adjourn