

TRB Committee on Information and Knowledge Management (AJE45)

Summer Committee Meeting

AGENDA

12 PM – 1:30 PM (EDT)

Thursday, August 13, 2020

Join Zoom Meeting

<https://berkeley.zoom.us/j/99929056948?pwd=Q2VYcklHR1BzWkdvblhBNlEtrdG1hQT09>

Meeting ID: 999 2905 6948

Passcode: 768607

12:00 –12:10	<p>Welcome and Introductions Committee Title: Information and Knowledge Management Committee (AJE45) <i>Approved Scope: The committee is concerned with advancing and disseminating practices that improve knowledge and information creation, access, sharing, preservation and retention within and among transportation organizations. The committee identifies critical research needs in these areas, promotes understanding of these topics throughout the transportation community, and fosters the use of library and information science and knowledge management practices through education, training, collaboration, outreach and research.</i> See the final AJE45 committee proposal at: https://www.trbikm.org/wp-content/uploads/2020/08/Proposed-new-committee-AJE45-final-07162020.docx</p> <p>Members and Friends Membership being processed by TRB Become a Friend of the committee at https://www.mytrb.org/Committees/SelfNominationAsFriend</p> <p>Review of Agenda</p>	Frances Harrison
12:10 – 12:25	<p>Subcommittee Updates:</p> <p>Research</p> <ul style="list-style-type: none">• See attached (pages 3-4) <p>Communications</p> <ul style="list-style-type: none">➤ website update in progress – seeking volunteers to help➤ seeking ideas for a new logo <p>See: TRBIKM.ORG</p>	Leni Oman/Enid White Jessica VanDenBogaert/ Bobbi deMontigny

<p>12:25 – 12:40 pm</p>	<p>Annual Meeting Planning: Current TRB Plans</p> <ul style="list-style-type: none"> • Theme: <i>Launching a New Century of Mobility and Quality of Life.</i> • All Virtual Meeting – vendor selected • Committee meetings: January 5-8 and 11-15, between the hours of 10:00 am and 5:00 pm Eastern Standard Time. • Sessions: January 21-22, between the hours of 10:00 am and 4:00 pm Eastern Standard Time, and January 25-29, between the hours of 10:00 am and 5:30 pm Eastern Standard Time. • Exhibits: January 25-29, between the hours of 10:00 am and 5:30 pm Eastern Standard Time. • Networking events: January 25-28, between the hours of 5:30 am and 7:00 pm Eastern Standard Time. <p>AJE45 Plans</p> <ul style="list-style-type: none"> • Session 1: Managing Information and Knowledge at Transportation Organizations – panel discussion of coordination/connections across library management and knowledge management functions • Session 2: Sharing Information and Knowledge in a Remote Work Environment: Lessons Learned and Gaps • Poster Session?? • Committee Meeting: strategic planning and action planning workshop <ul style="list-style-type: none"> ➤ Need ideas for panel members/presenters and volunteers for helping to organize the sessions. ➤ Need to decide if we should have a poster session and if so, what the topic(s) would be 	<p>Kendra Levine</p>
<p>12:40-1:30</p>	<p>AJE45 Strategic Planning Launch What does Information and Knowledge Management mean to you? What is our common purpose?</p>	<p>Alex Linthicum & Priyanka Alluri</p>

Update from the AASHTO/TRB Research Subcommittee

Co-Chairs: Leni Oman, WSDOT, omanleni@wsdot.wa.gov, and Enid White, WYDOT, (enid.white1@wyo.gov)

The following summarizes the status of research activities and work in development as well as some recent research resources on the topics of information, knowledge, library, records, and data management are listed below (and a few news articles).

Projects in development

- KM Leadership Engagement/Culture – Benjamin Anyacho and Denise Bedford
- KM Case Studies – updating for resubmittal – Cindy Smith
- AASHTO survey result curation and access – Sue Sillick
- COVID-19 and knowledge and information management – Leni

Other items in discussion:

- Knowledge translation

Projects in startup

- [NCHRP 23-14](#) Research Roadmap for Knowledge Management - \$300,000
- [NCHRP 23-17](#) Assessing and Measuring the Business Value of Knowledge Management - \$350,000

Submitted by other organizations but of interest to the information and knowledge management communities

- [NCHRP 23-12](#) Artificial Intelligence Opportunities for State and Local DOTs – A Research Roadmap
- [NCHRP 23-16](#) Implementing and leveraging Artificial Intelligence and Machine Learning at Departments of Transportation - \$250,000
- [NCHRP 25-64](#) Resources for State DOTs to Consider Greenhouse Gas Emissions and Climate Change in NEPA Documents \$375,000
- [NCHRP 07-31](#) State DOT usage of bicycle and pedestrian data: practices, sources, needs, and gaps \$800,000
- [NCHRP 17-96](#) Traffic Safety Culture Research Roadmap \$375,000
- [NCHRP 23-13](#) COVID-19 Research \$1,000,000
- CONTINGENCY PROJECT: G-05 Leveraging Big Data and Artificial Intelligence to Streamline Safety Data Analyses \$650,000

Projects underway

- [NCHRP 23-02](#) Guidelines on Collaboration and Information Security for State DOTs
- NCHRP 20-24(131) Mapping the Common Interests of AASHTO Committees
- NCHRP 20-24 (132) Understanding Knowledge Management in Context with Other Organizational Practices

Developed by other organizations but of interest to the information and knowledge management communities

- Using Knowledge Graph technology to improve online search capabilities – a TRB NCHRP pilot project, \$200,000

Recently Completed Research

Ready to use

- The Agency Capability Building Web Portal: <https://www.agencycapability.com/>

Webinars

- [TRB Webinar: Enter the Portal–The Transportation Performance Management \(TPM\) Portal](#) - August 12, 2020
- [TRB Webinar: Envisioning the Next Generation of Traffic Management Systems \(TMSs\)](#), September 8, 2020
- [TRB Webinar: Designing Beyond - Improving Airport Operations through BIM](#), September 22, 2020
- [TRB Webinar: Stay Current on Research in Progress](#), September 23, 2020

Recent reports in TRID

- *Implementing Information Findability Improvements in State Transportation Agencies* ([NCHRP Report 947](#))
- *Cybersecurity threats in the auto industry: Tensions in the knowledge environment*, Technological Forecasting and Social Change, Volume 157, Issue 0, 2020
- *1st TRIMIS Horizon Scanning Session, May 12, 2020*, 51p
- *Catalyzing Sustainable Transport Innovation through Policy Support and Monitoring: The Case of TRIMIS and the European Green Deal*, Sustainability, Volume 12, Issue 8, 2020, 18p
- *The Future of Airports: A Vision of 2040 and 2070: Topic No. 11: Human Resources and Education*, April 2020, 14p
- *Capacity Building Strategies for further growth of the ITS Sector in Europe*, 2019 6th International Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS), 2019, 8p
- *A Mobility Information Management System (MIMS) for Rural Transportation*, 2002, 47p
- *Designing for the future: a cognitive adaptive man-machine-interface*, HUMAN FACTORS: A SYSTEM VIEW OF HUMAN, TECHNOLOGY AND ORGANISATION. ANNUAL CONFERENCE OF THE EUROPE CHAPTER OF THE HUMAN FACTORS AND ERGONOMICS SOCIETY 2009, 2010, 99-107
- *Research and Innovation in Smart Mobility and Services in Europe: An Assessment Based on the Transport Research and Innovation Monitoring and Information System (TRIMIS)*, 2020, 78p
- *BIM And GIS Data Integration: A Novel Approach Of Technical/Environmental Decision-Making Process In Transport Infrastructure Design*, Transportation Research Procedia, Volume 45, Issue 0, 2020, pp 803-810