



TMIP Webinar – Using TMIP-EMAT for Exploratory Analysis

Please join us on November 13 at 1:00 PM Eastern Time (US & Canada) for our next webinar: Using TMIP-EMAT for Exploratory Analysis.

This webinar is likely to fill up, so please share a connection whenever possible. We are limited to 100 participants in the web room.

Session Description

The FHWA TMIP Exploratory Modeling and Analysis Tool (TMIP-EMAT) is a utility that can be integrated with existing travel demand models to facilitate the application of those models in an exploratory, rather than predictive, manner. It builds upon the evolving sensitivity and risk analysis approaches utilizing travel demand models to forecast uncertainty, can be used to understand the effect of future mobility impacts on travel patterns, and incorporates exploratory-type visualizers to present and analyze the results. TMIP-EMAT is also compatible with EMA Workbench, an open-source tool with automated scenario discovery and robust search capabilities. This webinar will demonstrate the interactive visualization tools available through TMIP-EMAT as well as the application and interpretation of the EMA Workbench functionality. The demonstration will utilize the “Road Test” example model that is available as part of the TMIP-EMAT package.

Participants are invited to install TMIP-EMAT in advance of the webinar following the instructions:

<https://tmip-emat.github.io/source/emat.install.html#installation-and-configuration>

And to execute the “Road Test” example:

https://tmip-emat.github.io/source/emat.examples/RoadTest/road_test_direct.html

This webinar will build upon the concepts presented in the December 18, 2018 Introducing the Exploratory Modeling and Analysis Tool (TMIP-EMAT). Participants are encouraged to review the materials from this previous webinar in advance.

<https://tmip.org/content/tmip-webinar-introducing-exploratory-modeling-and-analysis-tool-tmip-emat>.

The presentation slides are also available for download here: <https://connectdot.connectsolutions.com/tmipvirtualeminars/>.

Presenters

Martin Milkovits

Martin Milkovits is a Principal in the Travel Demand Forecasting business line at Cambridge Systematics. He is the Project Manager on the FHWA-sponsored Exploratory Modeling and Simulation research project. Mr. Milkovits has been involved in the design, development and testing of ACES future mobility conditions in regional travel models in several areas, including FDOT District 4, Colorado DOT, and through the recent development of a future mobility tool to evaluate GHG emissions for the City of Boston. Mr. Milkovits holds a BA in Philosophy of Mathematics from Colby College, an MS in Computer Science from Rivier College, and an SM in Transportation from Massachusetts Institute of Technology. He is a member of the Transportation Research Board Planning Applications Committee.

Jeffrey Newman

Jeffrey Newman is a Senior Associate in the Travel Demand Forecasting business line at Cambridge Systematics. Dr. Newman has experience in travel demand modeling and forecasting, for both regional and long-distance travel. He is the lead designer and developer of travel forecasting tools, including risk analysis methodologies, for the California High-Speed Rail Ridership and Revenue Forecasting model. Dr. Newman received a Doctorate in Civil Engineering from Northwestern University, as well as a Master of Public Administration and a Bachelor of Science degree in Policy Analysis from Cornell University. He serves on the Transportation Research Board Demand Forecasting and Aviation Economics committees, as well as on the Zephyr Foundation's Software Badging project management group.

Meeting Information

Participants do not need to preregister to attend the webinar. Connections are limited to 100. First come, first served.

You can log on to the webinar at:

<https://connectdot.connectsolutions.com/tmipvirtualeminars/>

The TeleConference Toll Free Number: 1-888-675-2535

Participant Passcode: 8344566

Meeting information has also been provided in the attached calendar invite for your convenience.

NOTE: We are experiencing some issues with the Flash Player in Chrome and Fire Fox. You may receive a message about the Flash Plugin and may not be able to proceed to the meeting room. Until a solution is found for this issue, please use Internet Explorer.

Contact Us

If you would like to work with TMIP to share your agency's experience or if you have questions or comments about TMIP, please contact [Sarah Sun](#), FHWA.

We are committed to providing equal access to TMIP Webinars for everyone. If you need alternative formats or other reasonable accommodations, please send an e-mail to moderator@tmip.org with your request. We will respond to your request within 24 hours.

- [Using TMIP-EMAT for Exploratory Analysis.ics](#)



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