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CALL FOR PAPERS

Adaptation of the Washoe RTC Travel Demand Forecasting Model into Emme 3

Title of the paper

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BIOGRAPHICAL SUMMARY FOR MAIN AUTHOR (100 words mini-CV)

AUDIOVISUAL SUPPORT NEEDED

(A PC with Office XP, a projector, and a microphone will be provided. Please mention any other needs.)

Dr. Jia Hao Wu has been with TJKM in USA for more than six years as a senior associates and was with INRO for eight years. He is the chair of the San Francisco Bay Area ITE technical program. His projects include developments and applications of regional travel demand forecasting models and traffic impact studies for some very large developments with more than 40,000 populations, freeway traffic management plans, traffic monitoring programs and traffic circulation studies. In addition to projects in USA, he was responsible for several international projects such as China projects supported by the Canadian International Development Agency.

ABSTRACT (500 words)

A Washoe RTC travel demand forecasting model was implemented in EMME/2 in 2004. A master databank (monster databank) is created to store all the land use and network data and then a specific databank is created for each year based on the master databank. This implementation shares some very unique features. For example, the same set of images, GIS files, enif plots and lists and the macros are used for each year, where each databank contains both am and pm results. However, this setup cannot be converted to an Emme 3 environment directly using the Emme 3 installation procedure. It is necessary to reorganize the Emme 3 related files and change relevant data such as the directory names and folder names in these files. There are more than 300 hundred Emme 3 link (*.emlk) files, which need to be linked to e2p and e2l file locations in the process. In this presentation, we will discuss what the Emme 3 environment looks, which files we need to revise and how we can revise them in an efficient way that would allow to change these files at once. This implementation is used in a recent RTC model update project based on a set of new county planning area wide surveys including household survey, on-board survey, external station survey, visitor survey and GPS based survey. We present some examples of the Emme 3 implementation and conclude with some lessons.

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