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EXPLORING NEW USES OF SMARTCARD AND GPS DATA FROM SANTIAGO DE CHILE

Abstract: Our research group at Universidad de Chile has been working with Smartcard and GPS data from the public transport system Transantiago since 2009. We have worked in OD matrix estimation, bus speeds, load factors and level of service indicators. We have developed tools to observe and describe the system, that have been transferred to the transit authority DTPM and are widely used for planning the operation and making infrastructure decisions within the system. At this stage, we are working on the development of new tools that would make this valuable information available to a wider group of users, including (private) operators, other planning agencies, consultants and general public. This presentation will include a brief description of previous research, and preliminary results of the new developments.

Note: Marcela A. Munizaga is Associate Professor at Universidad de Chile. Specialist on transport demand modeling, predictive models and microeconomic analysis applied to private and public transport. In the last few years, she has led research on smartcard data and developed applications to obtain valuable information from automatically generated databases, which have been transferred to practice and used for planning purposes. She is Associate Researcher of the Complex Engineering Systems Institute ISCI, in charge of the Smartcities research group; Adjoint researcher at the Center for Climate and Resilience Research (CR)2; and Co-Chair of the International Steering Committee for Transport Survey Conferences ISCTSC.

JEUDI / THURSDAY

20 octobre 2016 /
October 20th, 2016
10h30

Salle / Room 5441
Pavillon André-Aisenstadt
Université de Montréal

Ouvert à tous / Open to all

Organisateur / Organizer
Martin Trépanier



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