

Bus Rapid Transit (BRT) Workshop: Experiences and Challenges

Friday 20 September 2013

University of Oxford, St Anne's College (8.15am - 5.30pm)

08:15 – 08:45	Registration and coffee
08:45 – 09:00	Welcome and logistics <i>Juan Carlos Muñoz (Pontificia Universidad Católica de Chile)</i>
09:00 – 10:00	Theme 1: History and current state of the BRT industry Major BRT breakthroughs across the world. Features of the second generation of BRT corridors (include innovative propulsion mechanisms, electro-mobility, automatic docking systems, freeway bus services, advanced control systems, etc.). Incipient consolidation of the industry around transit agencies associations. <i>Dario Hidalgo (EMBARQ)</i>
10:00 – 10:30	Theme 2: Automated data collection - a new foundation for analysis and management Automated data collection including transaction-based fare collection systems and vehicle location systems provides a basis for monitoring and measuring public transport system performance and usage previously undreamed of by operators and agencies. In this session the potential impacts of these systems on critical functions including performance monitoring and measurement, service and operations planning, operations control and management, and customer information are explored. <i>Nigel Wilson (MIT)</i>
10:30 – 11:00	Coffee break
11:00 – 12:30	Theme 3: The customer experience Improving the customer experience is critical in attracting new customers to public transport. Elements in advanced traveler information systems are identified and their usage in recent deployments illustrated. Applications of automatically collected data illustrate how it can be used to infer travel patterns, classify customers, and measure service reliability, all critical aspects of improving the customer experience. A case study for critical variables affecting Metro users decisions will be presented. <i>Nigel Wilson (MIT) and Juan Carlos Munoz (PUC)</i>
12:30 – 13:30	Lunch

13:30 – 14:30	<p>Theme 4: Near-capacity operations</p> <p>Discussion of different strategies aimed at increasing the capacity of high demand bus corridors: Segregated ways/lanes, Reduced dwell times, Express services, Traffic signal priority, Headway control.</p> <p><i>Juan Carlos Munoz (PUC)</i></p>
14:30 – 15:00	<p>Theme 5: Regulatory and contractual aspects</p> <p>Institutional organization and integration of BRT in the regulatory setting of the urban mobility system. Relations between operators and organizing authorities, typology of contracts, risk sharing, public service obligations, performance monitoring, incentives and penalties.</p> <p><i>Rosário Macário (Universidade de Lisboa)</i></p>
15:00 – 15:30	Coffee break
15:30 – 16:30	<p>Theme 6: BRT vs. LRT: Moving beyond emotional bias</p> <p>There is often great resistance to bus-based options on essentially ideological and emotional grounds. What are the key perceived barriers that mitigate against support for BRT in the presence of LRT options? What are the differences between users and non users of public transport?</p> <p><i>David Hensher and Corinne Mulley (The University of Sydney)</i></p>
16:30 – 17:00	<p>Theme 7: Broader interactions: public transportation and city form</p> <p>What impact do public transportation investments and services have on urban form? What does city form imply for public transport demand? Presents the theory, evidence and implications of the relationships between the built environment and the public transportation systems.</p> <p><i>Christopher Zegras (MIT)</i></p>
17:00 – 17:30	Q and A