

Workshop 6. Wider impacts of public transport and successful implementation of desirable and beneficial projects

Chair: [Associate Professor Christo Venter](#)

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This workshop builds on Workshop 8 at Thredbo 14 and its discussions on the wider economic, social and environmental impacts of investment in public transport. Being the conventional tool for evaluating public transport projects, cost benefit analysis (CBA) may not capture all benefits, thereby deeming some projects less likely to be accepted for implementation. There is both a justification for the inclusion of wider impacts (where they exist) and an improved communication of all impacts.

As concluded at Thredbo 14, accessibility is an important measure of benefit, but seems challenging to communicate only within a general CBA. Other accompanying measures need to be included if the objectives are to evaluate distributional and social policy. These parameters are driven by accessibility changes, by measures of economic development for cities and regions and by social inclusion of community development for neighbourhoods. In order to understand the contribution of accessibility, it is necessary to document how different accessibility aspects deliver social benefits or harms, such as new employment, employment accessibility, intermodal connections, access to health care, access to education, and how these variables are influenced by income and preferences.

Papers in this session address both empirical issues demonstrating ex-post measurement of the direct and wider benefits of specific public transport projects (investment in infrastructure and/or development of operation); and conceptual issues around how the practice of identifying, defining, and measuring benefits and costs should evolve to ensure that desirable and beneficial projects are implemented.

Workshop 6. Plan

The presenting author is shown in underlined font. The number in square brackets [0] refers to the number of the electronic paper file.

*Author assigned to another workshop, attending this session only.

Monday 14 August		
Workshop session I		
13:30	Introduction: Setting the scene, introducing the topic, getting to know each other	
	User and system benefits of operational decisions I	
	George Kouroupakis, Anastasia Nikolaidou, <u>Panagiotis Papaioannou</u> and Ioannis Politis	Real time information at bus stops: assessing user and system benefits from changes in perceived waiting time [101]
	<u>Ian Wallis</u>	Socio-economic assessment of fare concession policies: the New Zealand 'Super Gold' scheme [141]
15:00	<i>Afternoon tea</i>	
Workshop session II		
15:30	User and system benefits of operational decisions II	
	<u>Disa Asplund</u> and Roger Pyddoke	A new model for fare and frequency policy in urban bus services [97]
	<u>Gareth Mills</u> and Peter White	Evaluating the long-term impacts of bus-based park and ride [38]
16:50	<i>Short break</i>	
Workshop session III		
17:00	Agglomeration and land use benefits of transit investment	
	Henry Le, Weeliang Lim and <u>Waiyan Leong</u>	Land enhancement and intensification benefits of investing in an urban rail network [9]
	<u>Niko-Matti Ronikonmäki</u> and Seppo Laakso	Measuring agglomeration in transport planning: effective density as a measure in the Helsinki region [113]
18:00	<i>Close</i>	
Tuesday 15 August		
Workshop session IV		
09:00	Workshop discussion: Recap from Day 1	
	Measuring accessibility impacts: the analyst's perspective	
	<u>Nahungu Lionjanga</u> and Christo Venter	Accessibility and social welfare: a study of the city of Johannesburg [111]
	<u>Yena Song</u> , Hyun Kim and Keumsook Lee	Transit network expansion and accessibility implications: a case study of Gwangju metropolitan area, South Korea [46]
10:30	<i>Morning tea</i>	
Workshop session V		
11:00	Measuring accessibility impacts: the user's perspective	
	<u>Katrin Lättman</u> , Lars E. Olsson and Margareta Friman	A new approach to accessibility - perceived accessibility versus objectively measured accessibility in daily travel [89]
	<u>Andreas Frank</u> and Sebastiaan Meijer	Public transport accessibility needs assessment using gaming simulations [130]

12:30	<i>Lunch</i>	
Workshop session VI		
13:30	Option value	
	<u>Anders Bondemark</u> and Erik Johansson	Accessibility and uncertainty: the option value of public transport [158]
	<u>Kiyohito Utsunomiya</u>	The value of local railways: an approach using CVM [49]
15:00	<i>Afternoon tea</i>	
Workshop session VII		
15:30	CBA practices and malpractices	
	Andreas Vigren and * <u>Anders Ljungberg</u>	Public transport authorities' use of cost-benefit analysis in practice [105]
	<u>Erik Ronnle</u>	Planners' analysis and opportunism - benefit analysis in the Swedish high-speed rail project [148]
16:50	<i>Short break</i>	
Workshop session VIII		
17:00	Workshop discussion: Review of major themes – Day 2	
18:00	<i>Close</i>	
Wednesday 16 August		
Workshop session IX		
09:00	Understanding and redefining wider goals and impacts	
	* <u>Graham Currie</u> , Long Truong and Chris De Gruyter	Regulatory structures and their impact on the sustainability performance of public transport in world cities [17]
	<u>Alastair Stone</u>	A radical reappraisal of transport and land market basics [18]
10:30	<i>Morning tea</i>	
Workshop session X		
11:00	Workshop discussion: Conclusions and drafting of workshop report	
12:30	<i>Lunch (end of workshop sessions)</i>	