

Curriculum Vitae
Dr Paul A. BARTER
(Updated July 2011)

CURRENT AFFILIATION

Assistant Professor, Lee Kuan Yew School of Public Policy, National University of Singapore
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PERSONAL DETAILS

Born: 1967 in Adelaide, South Australia.
Nationality: Australian

ACADEMIC QUALIFICATIONS

1999: PhD. Institute for Science and Technology Policy (ISTP), Murdoch University, Australia. Thesis title: "An International Comparative Perspective on Urban Transport and Urban Form in Pacific Asia: The Challenge of Rapid Motorisation in Dense Cities." (The dissertation examined and compared Kuala Lumpur, Jakarta, Surabaya, Seoul, Bangkok, Manila, Singapore, Hong Kong and Tokyo.)
1991: Master of Environmental Studies, Mawson Centre for Environmental Studies, University of Adelaide.
1987: Bachelor of Science, University of Adelaide.

RECENT CAREER HISTORY

Dec.2004 to present: Assistant Professor, Lee Kuan Yew School of Public Policy, National University of Singapore
July 2003 to Dec.2004: Visiting Fellow, Public Policy Programme (then Lee Kuan Yew School of Public Policy), National University of Singapore
Dec. 2000 to June 2003: Visiting Fellow, Department of Geography, National University of Singapore
Jan. 1999 - Nov. 2000: Director of Information and Research for the SUSTRAN Resource Centre, which provided information and research services to the SUSTRAN Network.
Sept. 1995 – Oct. 2000: Voluntary Founding Coordinator of the Sustainable Transport Action Network for Asia and the Pacific (the SUSTRAN Network), Kuala Lumpur, Malaysia (in November 2000 the secretariat for the SUSTRAN Network moved to Jakarta to be hosted by Pelangi Indonesia).

Earlier Appointments:

Oct. 1991-July 1993: Department of Geography (Dr Lesley Potter), University of Adelaide, Adelaide, South Australia. Research Assistant (for a book on the Environmental History of Southeast Asia and analysis of a survey of rural to urban migrants in South Kalimantan, Indonesia. Half-time.).
Jan. 1988-Nov. 1988: Department of Physiology, Flinders University of South Australia, Bedford Park, South Australia. Research Assistant, Neurophysiology.

LANGUAGE PROFICIENCY

English	Excellent (native speaker)
Malay (Bahasa Malaysia)	Spoken: good; Comprehension: good; Written: fair to good.

RESEARCH PROGRAMME

Areas of Research Interest and Specialisation

- Urban transport policy and practice, especially in Asia and in 'developing' countries worldwide
- Urban transport demand management – especially those related to vehicle ownership
- Parking policy and regulation
- Public transport regulatory alternatives and trajectories
- Missions and measurement in the urban transport policy process
- International comparisons of urban transport and land use development.

PUBLICATIONS**Books**

Barter, P.A. (2011) *Parking Policy in Asian Cities*. Asian Development Bank (ADB), Manila. Available in hard copy or on-line via <http://beta.adb.org/publications/parking-policy-asian-cities>. ISBN: 978-92-9092-241-4 (print), 978-92-9092-352-7 (web).

Refereed Journal Articles**Accepted**

Barter, P.A. (2011) Off-Street Parking Policy Surprises in Asian Cities, *J. Cities*. (Available online 22 July 2011). <http://dx.doi.org/10.1016/j.cities.2011.06.007>

Barter, P.A. Parking Requirements in Some Major Asian Cities, presented to the 90th Annual Meeting of the Transportation Research Board, January, 2011 (Accepted in February 2011 for publication in Transportation Research Record in 2011).

Published

Barter, P.A. (2010) Off-Street Parking Policy without Parking Requirements: a Need for Market Fostering and Regulation? *Transport Reviews*, 30 (5), 571-588. <http://dx.doi.org/10.1080/01441640903216958>.

Barter, P. (2008) Public planning with business delivery of excellent urban public transport. *Policy and Society*, 27(2), 103–114. URL <http://dx.doi.org/10.1016/j.polsoc.2008.09.007>

Barter, P.A. (2006) Multiple dimensions in negotiating the cross-border transport links that connect and divide Singapore and Johor, Malaysia, *Asia Pacific Viewpoint*, 47 (2) (August), 287-303.

Barter, P.A. (2005) A vehicle quota integrated with road usage pricing: a mechanism to ease the phase-out of high fixed vehicle taxes in Singapore, *Transport Policy*, 12 (6), 525-536

Barter, P.A. (2004) Transport, Urban Structure and Lock-in in the Kuala Lumpur Metropolitan Area, *International Development Planning Review*, 26 (1), 1-24.

Barter, P.A. (2002) Transport and Housing Security in the Klang Valley, Malaysia, *Singapore Journal of Tropical Geography*, 23 (3): 268-287 (special edition on evictions in the tropics).

Bunnell, T., Barter, P.A. and Morshidi Sirat (2002) 'Kuala Lumpur Metropolitan Area: A globalising city-region', *Cities*, 19 (5):357-370.

Barter, P.A. (2000) Urban Transport in Asia: Problems and Prospects for High-Density Cities, *Asia-Pacific Development Monitor*, 2, 1, 33-66.

Barter, Paul A. (1999) Transport and Urban Poverty in Asia: A Brief Introduction to the Key Issues, *Regional Development Dialogue*, 20, 1, 143-163.

Barter, Paul A. (1999) Malaysian Urban Transport in an Asian and Global Context: Challenges of Car and Motorcycle Domination, *Sarawak Development Journal* (June 1999) 2 (1).

Kenworthy, J. R., Newman, P. W. G., Barter, P. A., and Poboan, C. (1995) Is Increasing Automobile Dependence Inevitable in Booming Economies? *Asian Cities in an International Context*. *IATSS Research*, 19 (2), 58-67.

Book Contributions

Barter, P. (March 2011) 'Motorised Three-Wheeler Taxis', in Salter, Rob, Dhar, Subash and Newman, Peter (eds.) *Technologies for Climate Change Mitigation (Transport Sector)*, TNA Guidebook Series, UNEP Risø Centre on Energy, Climate and Sustainable Development, Roskilde, Denmark, pp. 155-162.

Barter, P. (2009) 'Public Planning with Business Delivery of Excellent Urban Public Transport' (revised title?), Chapter 9 in M. Ramesh, Eduardo Araral and Wu Xun (eds.) *Reasserting the Public in Public Services*. Routledge, 2009. [This is the same as the 2008 paper in Policy and Society above.]

Barter, P.A. (2008) 'The Status of Bicycles in Singapore', in Tiwari, G., Arora, A. and Jain, H. (compilers) *Bicycling in Asia*, Interface for Cycling Expertise (I-CE), Utrecht, pp. 49-66.

Barter, Paul (2008) 'Singapore's Urban Transport: Sustainability by Design or Necessity?' in Wong, Tai-Chee; Yuen, Belinda; Goldblum, Charles (Eds.) 'Spatial Planning for a Sustainable Singapore' Springer, Dordrecht, pp. 95-114.

- Barter, P.A. (2006) "'Central' Singapore Island, 'Peripheral' Mainland Johor: making the link", in Baldacchino, G. (ed.) *Bridging Islands: The Impact of Fixed Links* (Charlottetown: Acorn Press)
- Barter, Paul (2003) Southeast Asian Urban Transport: a Kaleidoscope of Challenges and Choices, in Whitelegg, J. and Haq, G. (eds.) *Earthscan Reader on World Transport Policy and Practice*, pp. 53-60 (London: Earthscan, Feb. 2003).
- Barter, P., Kenworthy, J. and Laube, F. (2003) Lessons from Asia on Sustainable Urban Transport, in Low, N.P. and Gleeson, B.J. (eds.) *Making Urban Transport Sustainable*, pp.252-270 (Basingstoke UK: Palgrave-Macmillan).
- Barter, Paul (2000) Transport Dilemmas in Dense Urban Areas: Examples from Eastern Asia, in Jenks, M. and Burgess, R. (eds.), *Compact Cities: Sustainable Urban Forms for Developing Countries*, pp. 271-284 (London: Spon Press).
- Barter, P.A. and Tamim Raad (2000) *Taking Steps: A Community Guide to People-Centred, Equitable and Sustainable Urban Transport*. The SUSTRAN Network, Kuala Lumpur, Malaysia. ISBN 983-40313-0-0 (118p.).
- Kenworthy, J. R. and Laube, F.B. with Peter Newman, Paul Barter, Tamim Raad, Chamlong Poboon and Benedicto Guia (Jr) (1999) *An International Sourcebook of Automobile Dependence in Cities, 1960-1990*. (Boulder: University Press of Colorado).

Reports

- Barter, P.A. (November 2010) Parking Policy in Asian Cities. Final Consultant's Report of a study funded by the Asian Development Bank (ADB) under RETA 6416: A Development Framework for Sustainable Urban Transport – Parking Policy in Asia. Lee Kuan Yew School of Public Policy Research Paper No. LKYSPP: 10-15. Available at SSRN: <http://ssrn.com/abstract=1780012>
- Barter, P.A. (2001) *Linkages between Transport and Housing for the Urban Poor: Policy Implications and Alternatives*, Commissioned Discussion Paper Prepared for the United Nations Centre for Human Settlements (Habitat), Nairobi. <http://www.unhabitat.org/programmes/urbantransport/documents/TranspHousing.pdf>

Book Reviews

- Barter, P.A. (2004) Book review of 'Rethinking Environmental Management in the Pacific Rim: Exploring local participation in Bangkok, Thailand' by A. Daniere and L. M. Takahashi, Publisher: Aldershot, Ashgate, 2002, *Singapore Journal of Tropical Geography*, **25** (2), 243-245.
- Barter, P. A. (1994) Book Review of 'Keep a City Moving: Urban Transport Management in Hong Kong'. Edited by Liang-Huew Wang and Anthony Gar-On Yeh. Publisher: Asian Productivity Organization, Tokyo, 1993. *IATSS Research*, **18** (2), 71.

Refereed Conference Papers

- Barter, P.A. (2011) Parking Requirements in Some Major Asian Cities, presented to the 90th Annual Meeting of the Transportation Research Board, January, 2011 and accepted for publication in Transportation Research Record in 2011. (see Journal articles above)
- Barter, P.A. (2009) 'Three paradigms in parking policy and their relevance to Australian cities', 32nd Australasian Transport Research Forum (ATRF), Auckland, New Zealand, 29 Sept.-1 Oct. 2009 (refereed)
- Williams, Brian and Barter, Paul (2002) 'Making the Connections between Transport and Housing Security', CODATU X Conference ('Urban Mobility for All'), 12-15 November 2002, Lome, Togo. (refereed conference paper is published in the proceedings even though neither author could attend unfortunately)

Conference Papers

- Barter, P. (2008) 'Car Possession as Problematic for Urban Travel Markets', in Meschik, M. and G. Sammer (eds.) Symposium Proceedings 4th International Symposium on Travel Demand Management "Visions, Concepts and Experiences of Travel Demand Management", 16-18 July, Vienna-Semmering, Austria. pp. 41-50.
- 'Planning Meets Competition in Urban Public Transport', presented to the Conference 'The Role of the State in Public Service Delivery', 27-28 September 2007, at the LKY School of Public Policy, National University of Singapore
- Barter, P.A. (2005) Collisions at an urban border: land transport policy, border control and cross-border integration between Singapore and Johor, Malaysia, presented to the NUS Faculty of Arts and Social Science's Centennial Conference, 'Asian Horizons: Cities, States and Societies', 1-3 August, 2005.

- Barter, P.A. (2004) 'Policy Integration for Emissions Reductions from Urban Transport in Asian Cities', paper presented at the *International Workshop on Policy Integration towards Sustainable Energy Use for Asian Cities: integrating local air pollution and greenhouse gas emissions concerns*, Institute for Global Environmental Strategies, Kanagawa, Japan, 28-30 Jan. 2004. (Paper available via http://www.iges.or.jp/kitakyushu/megacity_workshop/index.htm)
- Barter, P.A. (2002) 'Energy and Urban Transport in Asia: Options for Sustainable Development', presented at the *International Seminar on Energy for Sustainable Development in the Asia Pacific Region*, Beijing, China, July 25-26 2002 sponsored by the United Nations Development Program (UNDP) and the State Economic and Trade Commission, P. R. China (Invited regional issues paper).
- Barter, P.A. (2001) 'Transport Policy Choices and Dilemmas in Asian Cities', paper presented at the *Cities Summit 2001*, Singapore Expo, 12-13 September 2001 (invited paper).
- Barter, P.A. (2001) 'Towards Eastern Asia's First Automobile Dependent City? Transport and Space in the Klang Valley Urban Region', paper presented to the *Third International Malaysian Studies Conference*, 6-8 August 2001, Universiti Kebangsaan Malaysia, Bangi, Malaysia.
- Barter, P. (2001) 'Transport Choices for Malaysian Cities and Towns', presented at the *National Seminar on Sustainable Transport Issues and Challenges in Malaysia*, RECSAM, Pulau Pinang, 7-11 September 2001, organised by the Consumers Association of Penang (CAP) and Sahabat Alam Malaysia (SAM) (invited paper and adviser to the organisers).
- Barter, P. with Paremawati S. and Vanitha P. (2001) 'Transport and Housing for the Poor in Malaysia', presented at the *National Seminar on Sustainable Transport Issues and Challenges in Malaysia*, RECSAM, Pulau Pinang, 7-11 September 2001, organised by the Consumers Association of Penang (CAP) and Sahabat Alam Malaysia (SAM).
- Zaitun Mohamed Kasim and Barter, P. (2001) 'Zero Visibility: A call for more attention to the neglected area of gender in transport planning in Malaysia', presented at the *National Seminar on Sustainable Transport Issues and Challenges in Malaysia*, RECSAM, Pulau Pinang, 7-11 September 2001, organised by the Consumers Association of Penang (CAP) and Sahabat Alam Malaysia (SAM).
- Barter, P.A. (2000) 'An Overview of Asian Urban Transport: Conditions and Trends', Paper presented at the *ESCAP/CITYNET Regional Policy Seminar on Transport and Communication Challenges*, Kuala Lumpur, November 8-10, 2000 (resource person and invited overview paper).
- Barter, Paul A. (1999) 'Urban Transport Choices in East Asia: Automobile Dilemmas in Dense Cities', paper Presented at the *International Expert Meeting on Sustainable Consumption Patterns: Trends and Traditions in East Asia*, January 27-29, 1999, Cheju KAL Hotel, Cheju Island, Republic of Korea (presented paper as invited plenary speaker).
- Barter, Paul A. (1999) 'Transport and Urban Poverty in Asia: A Brief Introduction to the Key Issues', *Proceedings of the Regional Symposium on Urban Poverty in Asia*, Fukuoka, Japan, 27-29 October 1998", Fukuoka: United Nations Centre for Human Settlements – Habitat, April 2000, pp. 107-134 (presented paper as invited plenary speaker).
- Barter, Paul A. (1998) 'Urban Transport in Malaysia: Sustainable Transport versus Car and Motorcycle Dominated Transport: the example of the Klang Valley', paper presented to a *Public Forum on the Sustainable Transport Option for Penang*, organised by SERI Penang (Socio-Economic & Environmental Research Institute) and STEP (Sustainable Transport Environment Penang) as an event of the Sustainable Penang Initiative, 23 August 1998, Pusat Masyarakat Penyayang, Caring Society Complex, Penang (invited paper).
- Barter, Paul A. (1997) 'Pacific Asian Cities in a Global Review of Urban Transport and Land Use Patterns: Challenges and Opportunities of High Density', paper presented at *Greening Urban Transport: A National Conference on Improving Urban Transport Systems for Better Cities*, Organised by the Sustainable Transport Forum, 6-7 November 1997, Ateneo University Campus, Quezon City, the Philippines (invited paper).
- Barter, Paul A. (1997) 'Malaysian Urban Transport in an Asian and Global Context: Challenges of Car and Motorcycle Domination', paper presented to *Seminar on Urban Transport in Sarawak*, Organised by the Sarawak Development Institute, 26-27 October 1997, Kuching, Sarawak, Malaysia (presented invited paper, later published in Sarawak Development Journal).
- Barter, P. A. (1996) 'Urban Transport in Kuala Lumpur/Klang Valley in a Global and Regional Perspective', in *State of the environment in Malaysia : a compilation of selected papers presented at the CAP-SAM National*

Conference "State of the Malaysian Environment", 5-9 January 1996, Penang. (Penang: Consumers' Association of Penang).

- Barter, P. A. (1996) 'Prospects for Non-Motorised Transport in Rapidly Developing Asian Cities: Implications of a Global Comparative Study of Urban Transport and Land Use', paper presented at the *Velo Australis International Bicycle Conference*, October 27-31, 1996, Fremantle, Australia.
- Barter, P. A. (1996) 'Networking for Green and People-Centred Transport in Asia & the Pacific', paper presented at the *Velo Australis International Bicycle Conference*, October 27-31, 1996, Fremantle, Australia.
- Barter, P. A. (1996) 'An International Comparative Perspective on Urban Transport and Land Use Patterns in Booming Eastern Asian Cities: Implications of High Urban Densities', paper presented at the *CITYNET Policy Seminar on Urban Transport and Mass Transit*, October 14-17, 1996, New Delhi, India (presented invited paper).
- Barter, P. A. and Kenworthy, J.R. (1995) 'Transport and Urban Form in ASEAN Cities: An International Comparative Perspective', paper presented at the *City Trans Asia '95 Conference*, 21-23 September 1995, Singapore.
- Barter, P. A., Kenworthy, J. R., Poboan, C. & Newman, P. W. G. (1994) 'The Challenge of Southeast Asia's Rapid Motorisation: Kuala Lumpur, Jakarta, Surabaya and Manila in an International Perspective', paper presented at the *Asian Studies Association of Australia Biennial Conference*, 13-16 July, Murdoch University, Perth, Western Australia.
- Kenworthy, J. R., Barter, P. A., Newman, P. W. G., and Poboan, C. (1994) 'Resisting Automobile Dependence in Booming Economies: A Case Study of Singapore, Tokyo and Hong Kong Within a Global Sample of Cities', paper presented at the *Asian Studies Association of Australia Biennial Conference*, 13-16 July, Murdoch University, Perth, Western Australia.

Conference and other presentations

- Invited (with funding) to present on 'Asian Parking Policies' at the Conference on Sustainable Transport, Air Quality and Climate Change for Latin America & the Caribbean, Rosario, Argentina May 11-14, 2011.
- Faculty research seminar on 'Unbundling Urban Mobility Services: Moving from a Promising Policy Proposal to a Research and Policy Agenda?', LKY School of Public Policy, National University of Singapore, 4 March 2011.
- Guest session/presentation on 'Bicycles in Cities' for LA5702 Design Studio: Everyday Cycling in Singapore, a course in the Master Landscape Architecture Programme, School of Design and Environment, National University of Singapore, 17 January 2011.
- Presentation on 'Regulatory arrangements and industry structure' in the Session on 'Institutional dimensions of sustainable real-time mobility' at the Future Urban Mobility IRG Workshop, Singapore-MIT Alliance for Research and Technology, Singapore, 12-13 January 2011.
- Presentation on 'Best Practices and Lessons from Parking Policies Across Asia' in Session 170: Best Parking Pricing and Management Practices, at the Transportation Research Board (TRB) 90th Annual Meeting in Washington DC on January 23-27, 2011.
- Presentation on 'Parking Policy for Liveable Asian Cities' at the Better Air Quality (BAQ) Asia 2010 Conference, Singapore, 9-11 November 2010.
- Two presentations: one on 'Sharing Streets' and one on 'Getting the most from alliances between shared-vehicle services and public transport' at the World Share/Transport Forum: Kaohsiung 2010: The Third Way of Getting Around in Cities. Kaohsiung, Taiwan. 16 - 19 September 2010.
- Invited presentation on 'Bangkok Parking Policy Choices in International Perspective' to a Workshop on 'The Necessity of Minimum Parking Requirement for New Development Along the Urban Rail Corridors in Bangkok', Organised by the Engineering Institute of Thailand (EIT), Bangkok, 22 June 2010.
- Invited presentation on 'Parking Policy in Asian Cities – Highlights' to the Asian Development Bank (ADB) Transport Forum, 25–27 May, 2010 at ADB Headquarters in Manila.
- Commentator on a speech by Professor Peter Newman of Curtin University, Western Australia, at the Asia Research Institute (ARI) Asia Trends 2010 Public Talk Series: 'Green Urbanism: How Does Singapore Compare?', 21 April 2010, 19:30 to 21:00, The Pod, National Library Building.

- Presentation on 'Parking in Asian cities: hidden assumptions behind parking policy and institutions' to the Workshop on Developing Sustainable Asian Cities - Institutions and Markets, 1 Feb 2010 - 2 Feb 2010, organised by the Asia Research Institute (ARI), National University of Singapore.
- Presentation on 'Parking: there are other ways' for a Panel Discussion on Parking Policy, School of Planning, CEPT University, Ahmedabad, 13 November 2009.
- Presentation on 'Parking: an under-appreciated and neglected policy opportunity' to the World Roads Conference, Singapore, 26-28 October 2009.
- Presentation on 'Success in urban transport? More is not always better' to Professor Jason Chang's Transportation Engineering undergraduate class and graduate students, National Taiwan University, 23 October 2009.
- Invited Panellist and Presenter ('Land Transport Master Plan: Could we be More Ambitious?') to the Singapore Institute of Engineers (IES) Closed-Door Forum on the Land Transport Master Plan, at the LTA Academy Auditorium, 8 May 2009, 7 - 9.30pm.
- Invited presentation ("Under-appreciated and neglected policy opportunities") to a joint Centre for Liveable Cities, Land Transport Authority and Asian Development Bank Policy Forum: "Sustainable Transportation Systems: Blood Vessels of Liveable Cities", 6 May 2009, URA Seminar Room, 9am-12.30pm.
- Discussion session 27 March 2009 (4-6pm) with a visiting delegation from the USA Transit Cooperative Research Program, International Transit Studies Program for US transit officials and experts on a study tour focused on 'Performance Measurement and Outcomes' which visited San Francisco, Hong Kong, Singapore, Kuala Lumpur and Taipei.
- Faculty Research Seminar in the LKY School of Public Policy, 16 February 2009, "Towards Market-based Parking Policy?"
- Invited presentation to the South East Asian Geography Association (SEAGA) International Forum on Cities and Climate Change, 'Urban transport and climate change: pricing carbon is not enough', 14 Feb. 2009, MND Auditorium, Singapore.
- Invited Presentation on 'The Importance of Public Transport System Unity', for the Public Transportation Seminar: "Sustainable Solutions for Penang" organised by RapidPenang, Dorsett Hotel, Georgetown, Penang, Malaysia on 14 Oct. 2008.
- Invited presentation on 'Regulatory Reform of Singapore's Public Transport System' for the Public Transportation Seminar: "Sustainable Solutions for Penang" organised by RapidPenang, Dorsett Hotel, Georgetown, Penang, Malaysia on 14 Oct. 2008.
- Invited presentation on 'Some policy-relevant research needs for Southeast Asian urban transport', to the TRANSLINK Conference 'Developing Transport Research in South East Asia', 1 July 2008, University of Technology MARA (UiTM), Shah Alam organised by the Malaysian Institute of Transport (MITRANS), UiTMKL and TRANSLINK (a program under EU-Asialink involving KTH Stockholm, Institute for Transport Studies Leeds, MITRANS UiTM and the University of Indonesia).
- Invited presentation 'Taking Bicycle Seriously as Transport' for the Tampines Town Hall Forum: Cycling the Way Forward? 8 June 2008 at the Tampines East Community Centre.
- Invited presentation on 'Singapore's Urban Transport: Sustainability by Design or Necessity?' at the 1 Day Conference cum Book Launch – "Spatial Planning for a Sustainable Singapore", 3 Apr 2008, Singapore Botanic Garden Function Hall, Singapore.
- Faculty Research Seminar in the LKY School of Public Policy, 7 September 2007, 'The Neglected Ownership Dimensions of Car Dependence'
- Invited seminar to officers of the Land Transport Authority Singapore, 'Emerging Innovations in Urban Transport Policy and Practice', LTA Clubhouse, 7 June 2007
- Invited presentation 'Vehicle Ownership as a Focus of Transport Policy: Time to Take Another Look?' at the Asia Business Forum Conference 'Urban Transportation Conference 2007' Singapore 8-9 March 2007
- Presentation 'Singapore's Urban Transport: Sustainability by Design or Necessity?' at the South East Asian Geographers Association Conference (SEAGA), November 2006.

- Invited presentation (with Professor John Whitelegg), 'Transport Demand Management and its Potential in Asian Cities: Positive Perspectives', Third International Seminar on Managing the Impact of Vehicles on Urban Air Quality, The International Union of Air Pollution Prevention and Environmental Protection Associations (IUPPA), 3-4 August, 2005, Kogakuin University Shinjuku, Tokyo, Japan.
- Invited presentation 'Measurement does matter but do we measure what really matters? Insights for transport sector indicators efforts from public sector performance measurement literature', at the Consultation Workshop on Transport Sector Performance Indicators, 22-24th April 2005, Colombo, Sri Lanka, hosted by the Lanka Forum on Rural Transport Development in collaboration with the Ministry of Transport Sri Lanka and the International Forum for Rural Transport and Development (IFRTD) and sponsored by the World Bank.
- Invited presentation 'Changing imperatives for land transport in Singapore: challenges and opportunities looking ahead towards 2020' for the Land Transport Authority (LTA), Singapore Policy review seminar series 15 February 2005,
- Presentation "Another look at how we define and measure 'success' in tackling transport impacts: beyond that 'oh so tempting' tailpipe focus" at the Better Air Quality (BAQ) Conference 2004, Agra, India, 6-8 December 2004.
- Presentation to the Policy Division, Land Transport Authority, Singapore on 'The best of both worlds? Integrating the vehicle quota with road usage pricing', 30 June 2004.
- Invited presentation: 'Traffic problems, mobility crises and accessibility solutions: Lessons from Asian cities for Asian cities', presented at *The Leapfrog Factor: Towards Clean Air in Asian Cities*, March 30 – April 1, 2004, New Delhi, organised by the Centre for Science and Environment, New Delhi, India.
- Invited presentation: 'Previous Experience on Sustainable Transport Policy – Lessons for Malaysian Cities and Towns?' at the Workshop 'Against Pollution and Congestion in our Cities – Sustainable Urban Transport for Malaysia', Kuantan, 17-18 February 2004, organised by the GTZ Program on 'Air Pollution Control for Malaysian Cities: Transport and Industry'.
- Presentation (brown bag lunch talk) at the Policy Division, Urban Redevelopment Authority (URA), Singapore on 'Sustainable development – implications in the streets of Singapore?', 28 July, 2003.
- Invited presentation: 'Sustainable Urban Transport Options: Seeking Perspective', presented at the *Seminar on Sustainable Transport Options for Penang*, 5 April 2003 organised by the Consumers Association of Penang.
- Talk and slide presentation on urban transport policy options to the Skudai Rotary Club, Hyatt Hotel, Johor Baru, Malaysia, 23 April 2002.
- Presentation on 'Comparative View of Transport Infrastructure Choices in Asian Cities', *NUS Workshop on Sustainable Urban Infrastructure*, Organized by Large Scale System Laboratory (LSSL), Faculty of Engineering, National University of Singapore, 26th February 2002
- Resource person to the Chinese High School– 7th Student Leaders Convention Forum (involved students from several countries in the region) as a panellist, judge and specialist in the arena of environmental issues and sustainable development, 15th June 2001
- One-day participatory workshop on Transport in Penang for STEP (Sustainable Transport Environment Penang) with 30 participants from civil society. Caring Society Complex, 29 January 2000 (Devised and conducted the workshop).
- Annual Advisory Committee Meeting of the International Forum for Rural Transport and Development, London, 1-5 November, 1999 (invited participant representing the SUSTRAN Network).
- International Forum on Urban Poverty*, Nairobi, Kenya, 12-15 October, 1999 (invited presenter and participant in the transport working group).
- Public talk "Towards People-friendly Cities - the role of sustainable transport", 14 Sept. 1999 at the Socio-economic and Environmental Research Institute (SERI), Penang.
- Guest lecture on sustainable urban transport issues to 3rd year students of an elective on Environment and Development at Universiti Putra Malaysia, 27 July 1999.
- SUSTRAN Network General Assembly meeting, June 1998, Miriam College, Quezon City, Manila. (meeting co-convenor and co-organiser).

Presentation on sustainable transport principles and case-studies to a forum of Klang Valley transport decision-makers chaired by the Malaysian Minister of Transport, May 1996.

APEC Urban Transport, Energy and Environment Seminar, April 1996 (presented paper on behalf of Professor Peter Newman).

Second Asia Pacific Urban Forum, Bangkok, March 1996, organised by the United Nations Economic and Social Commission for Asia and the Pacific. Facilitated a 90 minute forum on urban transportation and prepared and presented a poster session on the work of SUSTRAN.

Presentation on sustainable transport principles and case-studies to State Planning Committee of Penang, Malaysia which was chaired by the Chief Minister, March 1996.

Habitat II Global Workshop: Transport and Communications for Urban Development, 3-5 July 1995, Singapore, organised by the United Nations Centre for Human Settlements (HABITAT).

Managing the Mega-Urban Regions of ASEAN Countries: Policy Challenges and Responses, Nov. 30- Dec. 3, 1992, at the Asian Institute of Technology, Bangkok, Thailand.

Op. Eds. and other non-peer-reviewed articles

Barter, Paul A. (2009) Earning a Public Space Dividend in the Streets, *Journeys* (biannual publication of the LTA Academy, Singapore), Issue 2, May 2009, pp. 32-39.

Barter, P. (2007) 'Wanted - An Ambitious Vision for Public Transport', Opinion Piece for *Ethos Magazine* (the magazine of the Civil Service College, Singapore), Issue 2 (April) 2007, pp. 50-57.

Barter, Paul (2006) Make not owning a car the smart choice, Opinion Piece for the *Straits Times*, 17 November 2006, p. 41

Other Publications (including informally published material)

Barter, P. A. and Kenworthy, J. R. (1996) Transport and Urban Form in Booming Eastern Asian Cities: An International Comparative Perspective, *Transport and Logistics* (Journal of Singapore Chartered Institute of Transport), November 1996 edition. (Reprint of Barter, P. A. and Kenworthy, J.R. (1995) *Transport and Urban Form in ASEAN Cities: An International Comparative Perspective*. Paper presented at the City Trans Asia '95 Conference, 21-23 September 1995, Singapore).

Author of informal blogs on urban transport policy issues: Since August 2010 the 'Reinventing Parking' blog <http://www.reinventingparking.org>; Since 2008 the 'Reinventing Urban Transport' blog <http://www.reinventingtransport.org>. In 2005 and 2006 author of the Urban Transport Asia blog <http://urbantransportasia.blogspot.org>.

Williams, Brian and Barter, Paul (2001) Double Jeopardy: The Link between Transport and Evictions, *Habitat Debate*, 7 (3). (Magazine of UN Habitat). Online at <http://www.unchs.org/hd/hdv7n3/9.htm>.

Barter, P.A. (2001) Feature Article: An Overview of Asian Urban Transport: Conditions and Trends, *Urban Voices* (newsletter of The Urban Governance Initiative – TUGI, UNDP), 32 (January 2001).

Zaitun Mohamed Kasim and Barter, P.A. (producers and directors) (2000) *Moving Forward – Towards Better Urban Transport*, (Educational Video, 25 min.). Kuala Lumpur: SUSTRAN Resource Centre with Pusat Komunikasi Masyarakat (KOMAS) with support from the Southeast Asia Regional Canada Fund.

Barter, P. A. (1999) *An International Comparative Perspective on Urban Transport and Urban Form in Pacific Asia: The Challenge of Rapid Motorisation in Dense Cities*. Unpublished PhD Thesis, Murdoch University, Western Australia.

Kenworthy, J. R., Laube, F. B., Newman, P. W. G. and Barter, P. A. (1997) *Indicators of Transport Efficiency in 37 Global Cities*. Report prepared for the World Bank, by Sustainable Transport Research Group, Institute for Science and Technology Policy, Murdoch University.

Barter, P. A. and Kenworthy, J. R. (Sept. 1997) *Implications of a Global Review of Urban Transport and Land Use Patterns: The Challenges and Opportunities of High Density in Booming Eastern Asian Cities*. Working Paper WP 81, Asia Research Centre, Murdoch University, Western Australia.

Poboon, C., Kenworthy, J., Newman, P., & Barter, P. (1995). *Bangkok: Anatomy of a Traffic Disaster*. Working Paper WP47 Asia Research Centre, Murdoch University, Western Australia.

SUSTRAN News Flashes. Editor of 40 SUSTRAN News Flashes (an email newsletter service of the SUSTRAN Network) and author of most of them between Oct. 1995 and Nov. 2000. These were bulletins of transport news of 2 or 3 pages in length, including new publications and upcoming conferences (see www.geocities.com/sustranet).

TEACHING RESPONSIBILITIES

Primary teaching areas

Urban transport policy;
 Urban policy and urban planning;
 Infrastructure policy;
 Environmental policy (urban, business, industrial) and sustainable development.
 Introduction to Public Policy and Analysis

Modules taught at National University of Singapore

I have successfully participated in and/or taken the lead on the following modules:

2010/2011:	PP5267 Urban Transport Policy: A Global View PP5238 Urban Development and Policy PP5243 Infrastructure Policy
2009/2010:	PP5242 Integrated Approaches to Sustainable Development Practice ('Global Classroom' with the Earth Institute at Columbia University) PP5238 Urban Development and Policy PP5243 Infrastructure Policy
2008/09:	PP5238 Urban Development and Policy PP5111 Introduction to Public Policy and Analysis PP5243 Infrastructure Policy
2006/07 & 2007/08:	PP5267 Urban Transport Policy: A Global View (new module) PP5238 Urban Development and Policy PP5243 Infrastructure Policy
2004/05 & 2005/06:	MP5238 Urban Development and Policy MP5243 Infrastructure Policy & two orientation sessions for MPP Juniors on sources, evidence, referencing and plagiarism.
2003/04:	GE3203 Urban and Regional Planning MP5238A Urban Development and Policy MP5238B Urban Transport Policy MP5243 Infrastructure Policy
2002/03:	Coordinator/Co-Teaching: GEM2017K Environmental Challenges and Sustainable Development (I initiated and prepared the successful proposal for this new General Education module) (with Assoc. Prof. Ooi Giok Ling) MP5243 Infrastructure Policy
Co-teaching:	GE2210/GEM2006K Natural Resource Management: Policy, Politics and Practice (with Dr Carl Grundy-Warr) GE3203 Urban and Regional Planning MP5238 Urban Development and Policy (elective in the Masters in Public Policy Programme)
Co-teaching	GE3230 Field Studies Module (With Carl Grundy-Warr and Tim Bunnell, this module requires intensive preparation and took 40 students to southern Thailand and northern Peninsular Malaysia).
2001/02:	GE3203 Urban and Regional Planning

Co-Teaching	GE3220 Sustainable Development and Environmental Assessment GE2203 Transport and Communications (with A/P K. Raguraman)
2000/01: Co-Teaching	GE3220 Sustainable Development and Environmental Assessment
Co-Teaching	GE2203 Transport and Communications
Co-Teaching	GE3223 Environmental Change in the Tropics

Teaching for SIM University, Singapore

2011	UTM507 Integrated Transport Policy: a module for SIM University (Singapore) Masters in Transportation Science. This masters is run jointly with the LTA (Land Transport Authority) Academy (Singapore).
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SERVICE TO THE UNIVERSITY AND PUBLIC SERVICE

Appointed in June 2011 to a 2-year term on the Advisory Board of the Global Network on Human Settlements (HS-NET), which will advise UN –HABITAT on the content and organisation of the 2013 Global Report on Human Settlements, UN-Habitat’s flagship publication which is published biennially.

Scientific Committee for the ‘Singapore Earth Dialogues 2012’ to be held in Singapore in March 2012 and organised by Singapore Environment Council and Green Cross International (since March 2011)

Faculty Teaching Excellence Committee (FTEC) member for the LKY School (since July 2007)

LKY School of Public Policy: Co-coordinator for the Policy Analysis Exercise (PAE), 2004-05, 2005-06 and 2006-07

Participant in the consultation of experts and academics for the Committee on the Review of the Fare Review Mechanism (Public Transport Council/LTA), August 2004

Safe Cycling Taskforce (registered society), Singapore, founding member April 2005

Jan. – Feb. 2004 (4 days): Assisted the GTZ Program on ‘Air Pollution Control for Malaysian Cities: Transport and Industry’ with planning for a Workshop: ‘Against Pollution and Congestion in our Cities – Sustainable Urban Transport for Malaysia’, Kuantan, 17-18 February 2004.

April 2003 - 2009: Transportation Research Board (TRB) Committee on Non-Motorized Transportation and Related Issues in Developing Countries (TRB/A5013TRB), chaired by Professor V. Setty Pendakur.

October 2002 – 2006: Member of the Physical Development Feedback Group for the Feedback Unit, Ministry of National Development, Singapore (formerly the Transport Feedback Group).

2001-2002: Member of the Scientific Committee for CODATU X Conference (‘Urban Mobility for All’): 12-15 November 2002, Lome, Togo (CODATU conferences are the premier international conferences on urban transport in developing countries).

November 2001 – October 2002: Member of the Transport Feedback Group for the Ministry of National Development, Singapore.

1996-present: Manager of an email discussion list on transport policy issues in developing countries (which I founded) known as the *sustran-discuss list* which has about 350 members from among academics, professionals, and civil society from all over the world. It is now the primary discussion forum in this particular field (see www.geocities.com/sustranet).

1999 - 2001: Member of the International Advisory Committee of The Urban Governance Initiative (TUGI), a project of the United Nations Development Programme (UNDP), based in Kuala Lumpur.

1998 - 2000: Member of the consultative team (advisory group) of the Urban Resource Unit (URU) in Kuala Lumpur. URU is a voluntary organisation which works on urban issues, especially housing for the poor. It offers training, advice and information services for low-income communities on these issues, and provides a link between government and poor communities.

1997 and 1998: Member of the Transportation Research Board (TRB) Committee on Non-Motorized Transportation and Related Issues in Developing Countries (TRB/A5013TRB), chaired by Professor V. Setty Pendakur.

1995- 2001: Information services for the SUSTRAN Network on transport issues in developing countries.

1992-93: Committee member of the Bicycle Institute of South Australia (BISA). Principal author of BISA's submission in response to the South Australian Review of Cycling. Founding member of the Adelaide Bicycle Users Group (BUG). BISA's representative on the South Australian State Bicycle Committee which advises the Minister of Transport on bicycle-related matters.

EXECUTIVE PROGRAMMES AND TRAINING SESSIONS

Faculty Chair (and teaching 6 hours) for the two-day Advanced Management Development Programme for senior managers in the Land Transport Authority (LTA), Singapore, to be held 22-23 August, 2011.

Three-hour session on 'Regulatory & Policy Choices for Successful Urban Transport Services: The Examples of Public Transport & Parking' for the Executive Programme on Urban Management and Public Service Delivery for Indian Administrative Service (IAS) officers, 21 March 2011

'Introduction to Land Transport Policy and Economics' as part of Induction Programme for new officers of the Land Transport Authority (LTA) Singapore (4 hours x 3), April, June and August 2009.

Civil Service College 1st Economics for Policymakers Programme. Three hour session on Land Transport Economics: Ideas and Illustrations, 2 June 2009

GTZ training and training of trainers on sustainable urban transport in Singapore. March 2008 (2.5 days)

GTZ training and training of trainers on sustainable urban transport in Beijing, China. November 2007 (6 days)

GTZ training on sustainable urban transport in Nanjing, China. April 2007 (3 days)

Three-hour session on Urban Transport Applications for Executive Programme on Public Sector Economics for the Ministry of Finance, Singapore (21 August 2007)

Session on Sustainable Transport Basics for Kuala Lumpur Regional Training Centre Regional Training Workshop (18 June 2007)

Three three-hour sessions on Transport Economics for the LTA Academy Singapore Executive Training on Transport Economics (1-3 November 2006)

For GTZ's Sustainable Urban Transport Project – Asia, preparation of training materials and carrying out of a 2 hour training session on 23 September 2003 for local government officials attending a Citynet training program in Kuala Lumpur. Sept. 2003 (2 days)

Session on Sustainable Transport Basics for Kuala Lumpur Regional Training Centre Regional Training Workshop (30 March 2006)

Session on Urban Transport examples as part of a training on environmental economics for Singapore civil servants at the Singapore Environmental Institute (16 February 2006)

Session on Urban Transport Examples as part of Singapore's Civil Service College Economics Workshop for the participants of the 4th Governance and Leadership Programme (24-28 October 2005)

Sessions on 'Infrastructure Services Policy' in 2004 and on 'Urban Policy' in 2005 and 2006 as part of the Executive Programme on Public Policy & Management for Civil Servants, Brunei Darussalam.

Three hour session, 'Introduction to Infrastructure Policy' as part of the Executive Programme for Officials from Guangdong Province of China by the Public Policy Programme, NUS, 15 to 17 Jan. 2003.

CONSULTING

Aug 2009 – Jan 2010 (20 days and managing 13 field assistants): Parking policy in Asia – status, comparisons and potential. Commissioned study of vehicle parking in 14 Asian locations for the Asian Development Bank.

May/June 2007 (10 days): Public Transport Council (PTC) Singapore. Served on 'Resource Panel' and produced a report, "Public Transport Improvements for Singapore: Identifying Objectives and Mechanisms" (submitted June 2007)

December 2005 (1 day): Review of Sustainable Transport Assessment Frameworks for SEA/UCT for Sustainable Energy South Africa (This was a review of a draft for a practical transport indicators exercise for local government use)

- Oct.– Nov. 2000: Appointed by the United Nations Economic and Social Commission for Asia and the Pacific (UN-ESCAP) and CITYNET to prepare an overview paper, be resource person and deliver keynote address for the ESCAP/CITYNET Regional Policy Seminar on Transport and Communication Challenges, Kuala Lumpur, November 8-10, 2000.
- Sept. – Dec. 2000: Appointed by the United Nations Centre for Human Settlements (Habitat) to undertake a “Pilot Investigation of Linkages between Urban Transport Policy and Housing for the Urban Poor”. The draft report is available on the Habitat website.
- Aug. – Dec. 2000: Appointed by the Urban Governance Initiative (TUGI), UNDP, Malaysia to refine and field-test an “Issue-based Report Card on Transport and Urban Governance” (rapid assessment) to be used by local governments and community organisations around Asia. This work was then completed by the new SUSTRAN Network secretariat in Jakarta.
- Sept. 1999 – Jan. 2000: Appointed by the Socio-economic and Environmental Research Institute (SERI), Penang, Malaysia to undertake Bicycle Network Planning (including a draft Bicycle Network Map of Georgetown), to produce a draft/outline “People’s Sustainable Transport Plan” and to run a one-day workshop for 30 people on civil society action for people-centred and sustainable transport in Penang.
- May 1998 – Dec. 1999: Appointed by the Institute for Sustainability and Technology Policy (ISTP), Murdoch University, Western Australia to gather extensive and detailed secondary data (66 indicators per city) for the International Union of Public Transport (UITP) Millennium Database project (which includes 100 cities). My involvement included all collection of data for Kuala Lumpur, Seoul, Taipei, Jakarta, about half of the data for Singapore, assistance with data for Manila, Madras, Bombay and Ho Chi Minh City.
- Oct. 1995 – Dec. 1997: Appointed (in a voluntary capacity) by Asia Pacific 2000, (a project of the United Nations Development Fund (UNDP), Malaysia to advise on sustainable urban transport and civil society (including building and coordinating the SUSTRAN information-sharing network, which received seed funding from Asia Pacific 2000).