

2003-2004

2003-2004 ITS Selected Publications

Books and book chapters:

Der Kiureghian A., S. Madanat and J. Pestana, Editors, Applications of Statistics and Probability to Civil Engineering, Proceedings of the 9th International Conference, Millpress, Rotterdam, Netherlands, 2003.

Cervero, Robert. Job Isolation in the U.S.: Narrowing the Gap Through Job Access and Reverse-Commute Programs, Running on Empty: Transport, Social Exclusion and Environmental Justice, K. Lucas, ed., Bristol, U.K., The Policy Press, 2004, Chapter 10, pp. 181-196.

Garrison, William L., David Gillen and C. R. Williges, "On the Processes Generating Impacts from Transportation Improvements: The Impacts of Air Transportation on Recreational Tourism," pp. 219-233 in Ake E. Andersson, Borje Johansson, and William P. Andersson (2003) The Economics of Disappearing Distance, Aldershot, UK, Ashgate Publishing.

Skabardonis, A., "Traffic Signal Control Systems," in "Assessing the Benefits and Costs of ITS" editors: D. Gillen & D Levinson, Kluwer Academic Publishers, 2004.

Papers, presentations and proceedings

Ahn, S. Cassidy, M.J. and Laval, J (2003) Verification of a simplified car-following theory. Transportation Research B, 38 (5), pp. 431-440.

Bejerano, M. and J.T. Harvey. "Analysis of Asphalt Concrete Pavements with and without Permeable Base Layers," paper 04-4714, 83rd Annual Meeting of the Transportation Research Board, Washington DC, January 2004.

Brockfeld E., R.D. Kuhne, A. Skabardonis, and P. Wagner, "Toward a Benchmarking of Microscopic Traffic Flow Models," Transportation Research Record No. 1852, 2003.

Cassidy, M. and K. Chung. "Test of a Theory of Driver Behavior," paper 04-2579, 83rd Annual Meeting of the Transportation Research Board, Washington DC, January 2004.

Cervero, Robert. City CarShare: First-Year Travel Demand Impacts, Transportation Research Record 1839, 2003, pp. 159-166.

Cervero, Robert. Effects of Light and Commuter Rail Transit on Land Prices: Experiences in San Diego County, Journal of the Transportation Research Forum, Vol. 43, No. 1, 2004, pp. 121-138.

Cervero, Robert. États-Unis: l'innovation au service de l'insertion en California, in Transports, Pauvretés, Exclusions, J. Orfeuill, ed., Paris, éditions de l'aube, 2004; pp. 163-177.

Cervero, Robert. Forecasting Transit Demand in a Fast Growing Corridor: The Direct-Ridership Model Approach, Fehrs and Peers Associates, 2003;

Cervero, Robert. Growing Smart by Linking Transportation and Land Use: Perspectives from California, Built Environment, Vol. 29, No. 1, 2003, pp. 66-78.

Cervero, Robert. Growing Smart: Integrating Infrastructure and Regional Development in the United States, Journal of Infrastructure Planning and Management, No. 758, 2004, pp. 85-96; with M. Taniguchi.

Cervero, Robert. Job Access and Reverse Commute Initiatives in California: A Review and Assessment, Transportation Research Record 1859, 2003, pp. 79-86 with Y. Tsai.

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Cervero, Robert. Neighbourhood Composition and Residential Land Prices: Does Exclusion Raise or Lower Values? *Urban Studies*, Vol. 41, No. 2, 2004, pp. 299-315; with M. Duncan.

Cervero, Robert. San Francisco City CarShare: Travel-Demand Trends and Second-Year Impacts. Berkeley: IURD Working Paper 2003-05, 2003.

Cervero, Robert. The Built Environment and Travel: Evidence from the United States, *European Journal of Transport and Infrastructure Research*, Vol. 3, No. 2, 2003, pp. 119-136.

Cervero, Robert. Transit Oriented Development in America: Experiences, Challenges, and Prospects. Washington, D.C.: Transit Cooperative Research Program, Report 102, 2004; with G. Arrington, J. Smith-Heimer, R. Dunphy, and others.

Cervero, Robert. Transit-centered Urban Villages, Time-Saver Standards, New York, McGraw-Hill, D. Watson, et al., eds., 2003, pp. 5.8-1 to 5.8.10; with M. Bernick.

Cervero, Robert. Travel Characteristics of Transit-Oriented Development in California. Sacramento: Caltrans Statewide Planning Studies Grant, 2004; with H. Lund and R. Willson.

Cervero, Robert. Walking, Bicycling, and Urban Landscapes: Evidence from the San Francisco Bay Area, *American Journal of Public Health*, Vol. 93, No. 9, 2003, pp. 1478-1483; with M. Duncan.

Chan, C., J. Misener, S. Shladover, X. Wang, Y. Zhang. "Limiting Factors in Use of Remote Sensors to Detect Road Traffic Hazards " paper 04-5044, 83rd Annual Meeting of the Transportation Research Board, Washington DC, January 2004.

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Chen C., A. Skabardonis, and P. Varaiya, "A System for Displaying Travel Times on Changeable Message Signs," paper 04-3588, 83rd Annual Meeting of the Transportation Research Board, Washington DC, January 2004.

Chen C., A. Skabardonis, and P. Varaiya, "Systematic Identification of Freeway Bottlenecks," paper 04-3829, 83rd Annual Meeting of the Transportation Research Board, Washington DC, January 2004.

Chung, S., C. Rodier S. Shaheen. "Unsafe at Any Speed? What the Literature Says About Low-Speed Modes," paper 04-4960, 83rd Annual Meeting of the Transportation Research Board, Washington DC, January 2004.

Daganzo, C. and J. Laval. "Hybrid Model of Traffic Flow: Impacts of Roadway Geometry on Capacity," paper 04-3526, 83rd Annual Meeting of the Transportation Research Board, Washington DC, January 2004.

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Daganzo, C. and K. Smilowitz. "Bounds and Approximations for the Transportation LP", *Transportation Science* , 38(3), 343-356 (2004).

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Davies, L. M. Mauch and A. Skabardonis, "Freeway Service Patrol Predictor Model: Methodology and Implementation," paper 04-3545, 83rd Annual Meeting of the Transportation Research Board, Washington DC, January 2004.

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Dowling R., and A. Skabardonis, "Guidelines for Applying Traffic Microsimulation Models," Final Report, prepared for the Federal Highway Administration, US DOT, August 2003.

Dowling, R., A. Skabardonis, and M. Carroll, "Methodology for Measuring Recurrent and Non-Recurrent Traffic Congestion," paper 04-4473, 83rd Annual Meeting of the Transportation Research Board, Washington DC.

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