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Publications

Book Chapter

Durango-Cohen, P. (2007), "An optimal estimation and control framework for the management of infrastructure facilities", Chapter 9 in *The management and measurement of infrastructure: Performance, efficiency and innovation*, C. Karlsson, W. Anderson, B. Johansson and K. Kobayashi, eds., Edward Elgar Publishing, Cheltenham, UK, pp. 177–197.

Editorial

Doll, C., Durango-Cohen, P. and Ueda, T. (2009), "Transportation infrastructure planning, management, and finance", *Journal of Infrastructure Systems*, 15(4), pp. 261–262.

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Lindsey, M., Schofer, J., Durango-Cohen, P. and Gray, K. (2011), "The effect of residential location on vehicle miles of travel, energy consumption and greenhouse gas emissions: Chicago case study", *Transportation Research Part D: Transport and Environment*, 16(1), pp. 1–9.

McKenzie, E. and Durango-Cohen, P. (2010), "An input-output approach for the efficient design of sustainable goods and services", *The International Journal of Life Cycle Assessment*, 15(9), pp. 946–961.

Lindsey, M., Schofer, J., Durango-Cohen, P. and Gray, K. (2010), "Relationship between proximity to transit and ridership for journey-to-work trips in Chicago", *Transportation Research Part A: Policy and Practice*, 44(9), pp. 697–709.

Durango-Cohen, P. and Sarutipand, P. (2009), "Maintenance optimization for transportation systems with demand responsiveness", *Transportation Research Part C: Emerging Technologies*, 17(4), pp. 337–348.

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Durango-Cohen, P. and Tadepalli, N. (2006), "Using advanced inspection technologies to support investments in maintenance and repair of transportation infrastructure facilities", *Journal of Transportation Engineering*, 132(1), pp. 60–68.

Childress, S. and Durango-Cohen, P. (2005), "On parallel machine replacement problems with general replacement cost functions and stochastic deterioration", *Naval Research Logistics*, 52(5), pp. 409–419.

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Guillaumot, V., Durango-Cohen, P. and Madanat, S. (2003), "Adaptive optimization of infrastructure maintenance and inspection decisions under performance model uncertainty", *Journal of Infrastructure Systems*, 9(4), pp. 133–139.

Madanat, S., Durango-Cohen, P. and Guillaumot, V. (2003), "Inspection, prediction and decision-making in infrastructure management: Framework, models and computation", *Japanese Society of Civil Engineering Journal of Infrastructure Planning and Management*, No. 744/IV-61, pp. 1–10.

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Lascano, M. and Durango-Cohen, P. (2009), "Evolution of urban rail transportation in Chicago: Changing infrastructure in a changing city", submitted to *Transport Policy*.

Lascano, M. and Durango-Cohen, P. (2009), "The transportation systems of Buenos Aires, São Paulo and Chicago: City centers, infrastructure and policy analysis", submitted to Transportation Research Part A.

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Zhang, Z. and Durango-Cohen, P. (2010), "Private-public partnerships in transit investments", Proceedings of the 12th World Conference on Transport Research, Lisbon, Portugal.

Lascano, M. and Durango-Cohen, P. (2009), "Análisis de la utilización de los ferrocarriles metropolitanos de Buenos Aires con datos de la INTRUPUBA", 15to Congreso Latinoamericano de Transporte Público y Urbano (CLATPU), Buenos Aires, Argentina.

Durango-Cohen, P. (2008), "A general probabilistic framework for clustering and managing heterogeneous infrastructure facilities", Proceedings of the 10th ASCE Conference on Applications of Advanced Technology in Transportation, Athens, Greece.

Durango-Cohen, P. and Sarutipand, P. (2007), "Multi-facility maintenance optimization with coordinated interventions", Proceedings of the 11th World Conference on Transport Research, Berkeley, CA (Best Paper Award).

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Durango-Cohen, P. (2002), "Reinforcement learning models for transportation infrastructure management", Proceedings of the 7th ASCE Conference on Applications of Advanced Technology in Transportation, Cambridge, MA.

Other Publications

Durango, P. (2002), "Adaptive optimization models for infrastructure management", Ph.D. Dissertation, University of California, Berkeley.

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