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EDUCATION

PhD, Economics, Cornell University, Ithaca, NY. (2007)
MA, Economics, Cornell University, Ithaca, NY. (2006)
BS, Economics and Accounting, University of Oregon, Eugene, OR. (1998)

POSITIONS

2015 – present: Senior Economist, RAND Corporation, Santa Monica, CA.
2011– 2015: Economist, RAND Corporation, Santa Monica, CA.
2007–2011: Associate Economist, RAND Corporation, Santa Monica, CA.
2008–present: Professor of Economics, Pardee RAND Graduate School, Santa Monica, CA.
2002-2007: Research and Teaching Assistant, Cornell University, Department of Economics, Ithaca, NY.
1998-2007: Economist, ECONorthwest, Portland, OR.
1996: Intern, Antitrust Division of the Oregon Department of Justice, Salem, OR.

JOURNAL PUBLICATIONS

Gregory D. Erhardt, Sunil Patil, Thomas Light, Flavia Tsang, Peter Burge, Paul Sorensen, and Mia Zmud.
“Understanding the potential of variable tolling to smooth congestion on downstream facilities: Applications of a joint time-of-day and route choice model,” *Transportation Research Record: Journal of the Transportation Research Board*, v. 2563, 2016, p. 29-39.

Thomas Light, “High Occupancy Toll Lane Performance Under Alternative Pricing Policies,” *Journal of the Transportation Research Forum*, Vol. 51, No. 2 (Summer 2012), pp. 61-82.

Liisa Ecola and Thomas Light, “Making Congestion Pricing Equitable,” *Transportation Research Record: Journal of the Transportation Research Board*, February 2011, No.2187, pp. 53–59.

Thomas Light, “Optimal Highway Design and User Welfare Under Value Pricing,” *Journal of Urban Economics*, September 2009, 66 (2), pg. 116-124.

PEER REVIEWED REPORTS

Jan Osburg, Philip S. Anton, Frank Camm, Jeremy M. Eckhause, Jaime Hastings, Jakub Hlavka, James G. Kallimani, Thomas Light, Chad J. R. Ohlandt, Douglas Shontz, Abbie Tingstad and Jia Xu,
Expanding Flight Research: Capabilities, Needs, and Management Options for NASA's Aeronautics Research Mission Directorate, Santa Monica, Calif.: RAND Corporation, RR-1361-NASA, 2016.

Do not use for proposals

- Michael Boito, Thomas Light, Patrick Mills, Laura H. Baldwin, *Managing U.S. Air Force Aircraft Operating and Support Costs: Insights from Recent RAND Analysis and Opportunities for the Future*, RAND RR-1077-AF, 2016.
- Thomas Light, Daniel M. Romano, Michael Kennedy, Caolionn O'Connell and Sean Bednarz. *Consolidating Air Force Maintenance Occupational Specialties*. Santa Monica, CA: RAND Corporation, 2016.
- Thomas Light, Sunil Patil, Gregory D. Erhardt, Flavia Tsang, Peter Burge, Paul Sorensen, Mia Zmud, *The Impact of Adopting Time-of-Day Tolling: Case Study of 183A in Austin, Texas*, RAND RR-969-CTRMA, 2015.
- Paul Sorensen, Thomas Light, Constantine Samaras, Liisa Ecola, Endy Daehner, David Ortiz, Martin Wachs, Evan Enarson-Hering, Steven Pickrell, *Strategic Issues Facing Transportation, Volume 5: Preparing State Transportation Agencies for an Uncertain Energy Future*, Washington, D.C., National Highway Cooperative Research Program Report 750, Transportation Research Boards, 2014. Available at: <http://www.trb.org/Energy/Blurbs/170763.aspx>
- Ronald McGarvey, Thomas Light, Brent Thomas and Ricardo Sanchez, “*Commercial Intratheater Airlift: Cost-Effectiveness Analysis of Use in U.S. Central Command*,” Santa Monica, CA: RAND Corporation, 2013. Available at: http://www.rand.org/pubs/technical_reports/TR1313.html
- Thomas Light, Frank Camm, Mary E. Chenoweth, Peter Lewis and Rena Rudavsky, “*Analysis of Government Accountability Office Bid Protests in Air Force Source Selections over the Past Two Decades*,” Santa Monica, CA: RAND Corporation, 2012. Available at: http://www.rand.org/pubs/technical_reports/TR883.html
- Frank Camm, Mary E. Chenoweth, John C. Graser, Thomas Light, Mark A. Lorell and Susan K. Woodward, “*Government Accountability Office Bid Protests in Air Force Source Selections: Evidence and Options – Executive Summary*,” Santa Monica, CA: RAND Corporation, 2012. Available at: <http://www.rand.org/pubs/monographs/MG1077.html>
- Keith Henry, Obaid Younossi, Maryah Al-Dafa, Shelly Culbertson, Michael G. Mattock, Thomas Light, Charlene Rohr, Sarah Al-Dorani, Hamad Al-Ibrahim, Mashail Al-Naimi, Louay Constant, Mohammed Makki, Georgette Mansour, Joy S. Moini, Parisa Roshan, Paul Sorensen and Flavia Tsang, “*Qatar's school transportation system: supporting safety, efficiency, and service quality*,” RAND MG-1136-QATAR, 2012. Available at: <http://www.rand.org/pubs/monographs/MG1136z1.html>
- Thomas Light, Chad Ohlandt, and Jan Osburg, “*Evaluating Approaches for Pricing NASA Test Facilities*,” RAND TR-999-NASA, 2011. Available at: http://www.rand.org/pubs/technical_reports/TR999.html
- Philip Anton, Liisa Ecola, James G. Kallimani, Thomas Light, Chad J. R. Ohlandt, Jan Osburg, Raj Raman and Clifford A. Grammich, “*Advancing Aeronautics: A Decision Framework for Selecting Research Agendas*,” RAND MG-997, 2011. Available at: <http://www.rand.org/pubs/monographs/MG997.html>

Do not use for proposals

- Tom LaTourrette, Thomas Light, Debra Knopman, and James Bartis, “*Managing Spent Nuclear Fuel: Strategic Alternatives and Policy Implications*,” RAND MG-970-RC, 2010. Available at: <http://www.rand.org/pubs/monographs/MG970.html>
- Obaid Younossi, Kevin Brancato, John C. Graser, Thomas Light, Rena Rudavsky and Jerry M. Sollinger, “*Ending F-22A Production: Costs and Industrial Base Implications of Alternative Options*,” RAND Monograph, 2010. Available at: <http://www.rand.org/pubs/monographs/MG797.html>
- Liisa Ecola and Thomas Light, “*Equity and Congestion Pricing: A Review of the Evidence*,” RAND TR-680-EDF, 2009. Available at: http://www.rand.org/pubs/technical_reports/TR680.html
- Steven Popper, Claude Berrebi, James Griffin, Thomas Light, Endy M. Daehner and Keith Crane, “*Natural Gas and Israel's Energy Future: Near-Term Decisions from a Strategic Perspective*.” Santa Monica, CA: RAND Corporation, 2009. Available at: <http://www.rand.org/pubs/monographs/MG927>.
- Steven Popper, James Griffin, Claude Berrebi, Thomas Light and Endy M. Daehner, “*Natural Gas and Israel's Energy Future: A Strategic Analysis Under Conditions of Deep Uncertainty*.” Santa Monica, CA: RAND Corporation, 2009. Available at: http://www.rand.org/pubs/technical_reports/TR747.
- Keith Crane, Andreas Goldthau, Michael Toman, Thomas Light, Stuart E. Johnson, Alireza Nader, Angel Rabasa and Harun Dogo, “*Imported Oil and U.S. National Security*,” RAND MG-838-USCC, 2009. Available at: <http://www.rand.org/pubs/monographs/MG838.html>
- Nicholas Burger, Liisa Ecola, Thomas Light, and Michael Toman, “*Evaluating Options for U.S. Greenhouse-Gas Mitigation Using Multiple Criteria*,” RAND OP-252-RC, 2009. Available at: http://www.rand.org/pubs/occasional_papers/OP252.html
- Lloyd Dixon, Paul Sorensen, Martin Wachs, Myles T. Collins, Mark Hanson, Aaron Kofner, Thomas Light, Michael Madsen, Lindell Marsh, Adrian Overton, Howard J. Shatz and Brian A. Weatherford. “*Balancing Environment and Development: Costs, Revenues, and Benefits of the Western Riverside County Multiple Species Habitat Conservation Plan*,” RAND MG-618-RCA, 2008. Available at: <http://www.rand.org/pubs/monographs/MG816.html>
- Paul Sorensen, Martin Wachs, Endy M. Daehner, Aaron Kofner, Liisa Ecola, Mark Hanson, Allison Yoh, Thomas Light and James Griffin. “*Moving Los Angeles: Short-Term Policy Options for Improving Transportation*,” RAND MG-2008. Available at: <http://www.rand.org/pubs/monographs/MG748.html>

CONFERENCE PAPERS

- Nodir Adilov, Thomas Light, Doug Mitarotonda, Timothy Mount, Richard Schuler, William Schulze and Ray Zimmerman, “Spatial Arbitrage to Reduce ‘Seams’ Across Electricity System Control Areas: An Experimental Analysis,” *Proceedings of the 41st Hawaii International Conference on System Sciences*, 2008.
- Nodir Adilov, Thomas Light, Richard Schuler, William Schulze, David Toomey, and Ray Zimmerman, “Market Structure and the Predictability of Electricity System Line Flow: An Experimental

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Analysis,” *2005 Proceedings of 38th Annual Hawaii International Conference on System Sciences*.

Nodir Adilov, Thomas Light, Richard Schuler, William Schulze, David Toomey, and Ray Zimmerman, “Self-Regulating Electricity Markets?,” *Advanced Workshop in Regulation and Competition, Rutgers Center for Research in Regulated Industries 17th Annual Western Conference*, 2004.

Nodir Adilov, Thomas Light, Richard Schuler, William Schulze, David Toomey, and Ray Zimmerman, “Differences in Capacity Requirements, Line Flows and System Operability under Alternative Deregulated Market Structures: Simulations Derived from Experimental Trials,” *2004 IEEE Power Engineering Society Conference Proceedings*, pg. 635-641.

COMMENTARIES

Thomas Light, “Commentary on Congestion Pricing: An Overview of Experience and Impacts,” 2010 Land Policy Conference Proceedings.

Nicholas Burger, Liisa Ecola, Thomas Light, and Michael Toman, “In Search of Effective and Viable Policies to Reduce Greenhouse Gases,” *Environment* May/June 2009, 51 (3), pg. 8 – 18.

Thomas Light and Randall Pozdena, “The Toll Optimization Model: A Model For Evaluating New Toll Road Projects,” *The Urban Transportation Monitor*, Vol. 20, No. 11, 2006.

HONORS/AWARDS

Dwight D. Eisenhower Transportation Fellowship (2006)

Winner of the North American Regional Science Council’s Best Graduate Student Paper Award (2006)

TEACHING AND STUDENT ADVISING

Instructor, Public Finance, Pardee RAND Graduate School, 2009, 2010, 2012, 2014.

Dissertation Advising, Pardee RAND Graduate School:

Bobby Theologis (Committee Member, PhD 2013)

Ryan Keefe (Co-Chair, PhD 2011)

Brian Weatherford (Committee Member, PhD 2011)

Florencia Jaureguiberry (Chair, PhD 2010)

Myles Collins (Committee Member, PhD 2010)

Sara Hajjamiri (Committee Member, PhD 2010)

PROFESSIONAL SERVICES AND ACTIVITIES

Quality Assurance Committee, RAND Project AIR FORCE, 2014 – present.

Faculty Committee on Curriculum and Appointments, Pardee RAND Graduate School, 2012 – 2014.

Economics Qualifying Exam Committee, Pardee RAND Graduate School, 2010.

Admissions Committee, Pardee RAND Graduate School, 2009, 2010, 2011, 2013.

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Organizer of Defense Economics Sessions, Western Economics Association International Conference, 2010 – present.

SCAG Congestion Pricing Study Steering Committee (Los Angeles), 2009 – 2011.

Economics Recruiting Committee, RAND, 2008 – 2009.

Participant, Expert Forum on Road Pricing and Travel Demand Modeling, Alexandria, Virginia (sponsored by the U.S. Department of Transportation), 2005.

Journal Referee: *Journal of Urban Economics*; *Transportation Research Part A: Policy and Practice*; *Transportation Research Part D: Transport and Environment*; *Proceedings of ICE Journal - Transport; Sustainability; Global Policy*; *International Journal of Sustainable Transportation*; *Journal of the Transportation Research Forum*.

Reviewer: *RAND*; *METRANS*; *University of California Transportation Center*.