

# Paul C. Sutton

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Department of Geography  
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## EDUCATION

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### **University California at Santa Barbara ■ 1999**

**Ph.D.** in Geography

Dissertation: "Census From Heaven: Estimation of Human Population Parameters Using Nighttime Satellite Imagery"

### **University California at Santa Barbara ■ 1997**

**M.A.** in Applied Statistics

### **University California at Santa Barbara ■ 1995**

**M.A.** in Geography

Thesis: Public Opinion of Population Issues: A survey of voters

### **Union College in Schenectady, New York ■ 1983**

**B.S.** in Chemistry

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## EXPERIENCE

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<b>1999 - Present</b>	<b>Department of Geography at the University of Denver Associate Professor and Director of Graduate Studies</b>
<b>1992-1999</b>	<b>Department of Geography, University of California at Santa Barbara Lecturer, Graduate Student Researcher, and Teaching Assistant</b>
<b>1983-1993</b>	<b>Physics, Chemistry, and Math Teacher with Anacapa High School</b>
<b>1984-1992</b>	<b>Process Engineer with Santa Barbara Research Center</b>

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## SELECTED PUBLICATIONS

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**Sutton, Paul C.**; Anderons, Sharolyn J.; Tuttle, Benjamin T.; Morse, Lauren (2011) *The Real Wealth of Nations: Mapping and Monetizing the Human Ecological Footprint*, Ecological Indicators (In press)

Anderson, Sharolyn J. , Tuttle, Benjamin T. , Powell, Rebecca L. and **Sutton, Paul C.** (2010) 'Characterizing relationships between population density and nighttime imagery for Denver, Colorado: issues of scale and representation', *International Journal of Remote Sensing*, 31: 21, 5733 — 5746

Ghosh, Tilottama, Christopher D. Elvidge, **Paul C. Sutton**, Kimberly E. Baugh, Daniel Ziskin and Benjamin T. Tuttle (2010) *Creating a Global Grid of Distributed Fossil Fuel CO2 Emissions from Nighttime Satellite Imagery* *Energies* , 3(12), 1895-1913; doi:10.3390/en3121895  
<http://www.mdpi.com/1996-1073/3/12/1895/pdf>

Ghosh, Tilottama; Powell, Rebecca; Elvidge, Christopher; Baugh, Kimberly; **Sutton, Paul**; Anderson, Sharolyn. (2010) *Shedding Light on the Global Distribution of Economic Activity* The Open Geography Journal 3 147-160

Ghosh, Tilottama., Powell, Rebecca.L., Anderson, Sharolyn. **Sutton, Paul.C.** Elvidge, Christopher.D., 2010, *Informal Economy And Remittance Estimates of India Using Nighttime Imagery*, International Journal of Ecological Economics & Statistics, 17

**Sutton, Paul C.**; Anderson, Sharolyn, J.; Elvidge, Christopher D.; Tuttle, Benjamin, T.; Ghosh, Tilottama (2009) *Paving the Planet: Impervious Surface as a Proxy Measure of the Human Ecological Footprint* Progress in Physical Geography 33(4) pp. 1-18

**Sutton, Paul C.**; Fildes, Stephen; Forster, Clive; Ghosh, Tilottama; Goetz, Andrew (2009) *Darkness on the Edge of Town: Mapping Urban and Peri-Urban Australia Using Nighttime Satellite Imagery* Professional Geographer 62(1) pp. 119-133

Ghosh, Tilottama; Anderson, Sharolyn; Powell, Rebecca L.; **Sutton, Paul C.**; Elvidge, Christopher D. (2009) *Estimation of Mexico's Informal Economy and Remittances Using Nighttime Imagery* Remote sensing 1, 418-444; doi:10.3390/rs1030418 (<http://www.mdpi.com/2072-4292/1/3/418/pdf> )

Elvidge, Christopher D.; **Sutton, Paul, C.**; Ghosh, Tilottama; Tuttle, Benjamin, T.; Baugh, Kimberly E.; Bhaduri, Budhendra; Bright, Edward (2009) *A global poverty map derived from satellite data* Computers and Geosciences 35 pp 1652-1660

Costanza, Robert; Perez-Maqueo, Octavio; Martinez, M. Luisa; **Sutton, Paul C.**; Anderson, Sharolyn J.; Mulder, Kenneth (2008) *The Value of Coastal Wetlands for Hurricane Protection* *Ambio* 37(4) June pp 241-248

**Sutton, Paul C.**; Ghosh, Tilottama; Elvidge, Christopher D. (2007) *Estimation of Gross Domestic Product at Sub-National Scales using Nighttime Satellite Imagery* International Journal of Ecological Economics & Statistics 8(S07) ISSN 0973-1385

Elvidge, Chris; Safran, Jeff; Tuttle, Benjamin; **Sutton, Paul**; Cinzano, Pierantonio; Pettit, Donald; Arvesen, John; Small, Christopher. (2007) *Potential for Global Mapping of Development Via A Nightsat Mission* GeoJournal 69(1-2) June pp 45-53 ISSN (1572-9893) online

Christopher D. Elvidge, Pierantoni Cinzano, Donald R. Pettit, John Arvesen, **Paul C. Sutton**, Christopher Small, Ramakrishna Nemani, Travis Longcore, Catherine Rich, Jeffrey Safran, John Weeks, and Steve Ebener (2007) *NightSat: The Mission Concept* International Journal of Remote Sensing 28(12) ISSN 1366-5901 online

Martinez, M.L.; Intralawan, A.; Vasquez, G.; Perez-Maqueo, O.; **Sutton, P.**; Landgrave, R.; (2007) *The Coasts of our world: Ecological, Economic, and Social Importance*. Ecological Economics 63(2-3) pp 254-272

Christopher Elvidge; Benjamin Tuttle; **Paul C. Sutton**; Kimberly E. Baugh; Ara T. Howard; Christina Milesi; Budhendra Bhuduri, Ramakrishna Nemani (2007) *Global Distribution and density of Constructed Impervious Surfaces* Sensors 2007, 7, pp 1962-1979

**Sutton, Paul C.**; Cova, Tom; Elvidge, Chris; (2006) *Mapping Exurbia in the conterminous United States using Nighttime Satellite Imagery* June 20(2) Geocarto International

Tom Cova, **Paul C. Sutton**, Dave Theobald (2004) *Exurban change detection in fire-prone areas with nighttime satellite imagery* Photogrammetric Engineering and Remote Sensing 70(11) pp 1249-1257

Elvidge, Chris; Milesi, Christina; Dietz, John; Tuttle, Benjamin; **Sutton, Paul**; Nemani, Ramakrishna; Vogelmann, James; (2004) *U.S. Constructed Area Approaches the Size of Ohio* EOS 85(24) pp 233-234

**Paul C. Sutton** (2003) *A scale-adjusted measure of "Urban Sprawl" using nighttime satellite imagery* Remote Sensing of Environment 86 pp 353-369

**Paul C. Sutton**, Chris Elvidge, Tom Obremski (2003) *Building and Evaluating Models to Estimate Ambient Population Density* Photogrammetric Engineering and Remote Sensing 69(5) pp 545-553

**Sutton, Paul**; (2003) *An Empirical Environmental Sustainability Index derived solely from Nighttime Satellite Imagery and Ecosystem Service Values* 2003 Population and Environment 24(4)

**Sutton, Paul**; Costanza Robert; (2002) *Global estimates of market and non-market values derived from nighttime satellite imagery, land use, and ecosystem service valuation* Ecological Economics (41) pp 509-527

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**Sutton, P**; Roberts, D; Elvidge, C; Baugh, K; (2001) *Census from Heaven: An estimate of the global human population using nighttime satellite imagery* International Journal of Remote Sensing Vol 22 (16) pp 3061-3076

**Sutton, P**; Montello, D; (2000) *Public Opinion of Population Issues: A survey of Voters* The Southwestern Geographer Vol 4 pp54-93

Elvidge, C.D.; Baugh, K.E.; Dietz, J.; Bland, T; **Sutton, P.C.**; Kroehl, H.W.; (1998) *Radiance calibration of DMSP-OLS low-light imaging data of human settlements* Remote Sensing of Environment May 6<sup>th</sup> 1998

Costanza, R., R. d'Arge, R. de Groot, S. Farber, M. Grasso, B. Hannon, S. Naeem, K. Limburg, J. Paruelo, R.V. O'Neill, R. Raskin, **P. Sutton**, and M. van den Belt. (1998). *Auditing the earth: Costanza and his coauthors reply.* Environment 40:26-27.

**Sutton, P**; (1997) "Modeling Population Density using Nighttime Satellite Imagery and GIS" Computers, Environment and Urban Systems 21(3/4) pp 227-244

**Sutton, P**; Roberts, D; Elvidge, C; and Meij, H; (1997) "A comparison of Nighttime Satellite Imagery and Population Density for the Continental United States" Photogrammetric Engineering and Remote Sensing 63 (11) pp 1303-1313

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Robert Costanza; Ralph d'Arge; Rudolf de Groot; Stephen Farber; Monica Grasso; Bruce Hannon; Karin Limburg; Shahid Naeem; Robert V. O'Neill; Jose Paruelo; Robert G. Raskin; **Paul Sutton**; Marjan van den Belt (1997) *The Value of Ecosystem Services: Putting the Issues into Perspective* Ecological Economics 25:67-72

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