

## DAVID I. STERN

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### Professional Experience:

- 2009- Professor, Crawford School of Public Policy, *Australian National University*.  
2002-2007 Associate Professor, Department of Economics, *Rensselaer Polytechnic Institute*.  
1996-2002 Research Fellow, Centre for Resource and Environmental Studies, *Australian National University*.  
1995-1996 Assistant Professor, Center for Energy and Env. Studies and Department of Geography, *Boston University*.  
1993-1994 Research Fellow, Department of Env. Economics and Env. Management, *University of York*.

### Education and Qualifications:

- 1994 Ph.D. Geography, Boston University.  
1989 M.Sc. Geography, London School of Economics.  
1988 B.A. Geography and Economics, The Hebrew University of Jerusalem.

### Recent Competitive Grants:

- 2016-21 *Department for International Development*, UK. "Energy for Economic Growth." Total consortium budget £13 million. Leader for Theme 1. First year ANU funding £30,000.  
2016-18 *Australian Research Council*, Discovery Project, "Energy Efficiency Innovation, Diffusion and the Rebound Effect." \$A273,000.  
2015-18 *Handelsbanken Research Foundation*. "Energy Use and Economic Growth: A Long-run European Study (1870-2013)." SEK2 million.  
2012-14 *Australian Research Council*, Discovery Project, "Energy Transitions: Past Present and Future." \$A243,000.

**Teaching:** Courses taught: Research Methods, Energy Economics, Economic Way of Thinking 1, Managerial Economics, Env. Economics, Ecological Economics, Intro. Economics, Internat. Env. & Resource Management, Alternative Energy & Environmental Futures, Cultural Landscape, World Regional Geography.

**Administration:** Director, International and Development Economics, Crawford School, 2015-. Research Director, Crawford School, 2012-13. Director, Economics PhD Program, RPI, 2004-7.

**Professional Activities:** Elected Fellow of the Academy of the Social Sciences in Australia, 2016. Lead author, IPCC Working Group III, 2010-14. Associate Editor, *Ecological Economics*, 2002-; *Asia and the Pacific Policy Studies*, 2012-. Editorial advisory panel, *Nature Energy*, 2015-. Treasurer, ANZSEE. 1998-2002, 2009-2011.

**Publications:** > 100 publications. Google Scholar citations > 11,000, H-index = 41. Selected publications:

- Ma C & DI Stern (in press) Long-run estimates of interfuel and interfactor elasticities, *Resource and Energy Economics*.  
Bruns SB & DI Stern (2016) Research assessment using early citation information, *Scientometrics* 108, 917-35.  
Stern DI & D Zha (2016) Economic growth and particulate pollution concentrations in China, *Environmental Economics and Policy Studies* 18, 327-38.  
Lu Y & DI Stern (2016) Substitutability and the cost of climate mitigation policy, *Environmental and Resource Economics* 64, 81-107.  
Sanchez LF & DI Stern (2016) Drivers of industrial and non-industrial greenhouse gas emissions, *Ecological Economics* 124, 17-24.  
Costanza R, RB Howarth, I Kubiszewski, S Liu, C Ma, G Plumecocq, & DI Stern (2016) Influential publications in ecological economics revisited, *Ecological Economics* 123, 68-76.  
Csereklyei Z, Mdm Rubio Varas, & DI Stern (2016) Energy and economic growth: The stylized facts, *Energy Journal* 37(2), 223-55.  
Csereklyei Z & DI Stern (2015) Global energy use: Decoupling or convergence? *Energy Economics* 51, 633-41.  
Burke PJ, M Shahiduzzaman, & DI Stern (2015) GDP and emissions in the short run: The rate and sources of economic growth matter, *Global Environmental Change* 33, 109-21.  
Bruns SB, C Gross, & DI Stern (2014) Is there really Granger causality between energy use and output? *Energy Journal* 35(4), 101-34.  
Stern DI & RK Kaufmann (2014) Anthropogenic and natural causes of climate change, *Climatic Change* 122, 257-69.  
Stern DI (2013) Uncertainty measures for economics journal impact factors, *Journal of Economic Literature* 51, 173-89.  
Stern DI & A Kander (2012) The role of energy in the industrial revolution and modern economic growth, *Energy Journal* 33(3), 125-52.  
Stern DI (2004) The rise and fall of the environmental Kuznets curve, *World Development* 32(8), 1419-39.  
Hay SI, J Cox, DJ Rogers, SE Randolph, DI Stern, GD Shanks, MF Myers, & RW Snow (2002) Climate change and the resurgence of malaria in the East African highlands, *Nature* 415(6874), 905-9.  
Stern DI & MS Common (2001) Is there an environmental Kuznets curve for sulfur? *Journal of Environmental Economics and Management* 41, 162-78.  
Kaufmann RK & DI Stern (1997) Evidence for human influence on climate from hemispheric temperature relations, *Nature* 388, 39-44.  
Stern DI, MS Common, & EB Barbier (1996) Economic growth and environmental degradation: the environmental Kuznets curve and sustainable development, *World Development* 24, 1151-60.  
Stern DI (1993) Energy use and economic growth in the USA: a multivariate approach, *Energy Economics* 15, 137-50.