

Clinton J. Andrews

Education

1978	Brown University, Providence, RI	Sc.B. Engineering (Honors)
1985	MIT, Cambridge, MA	S.M. Technology & Policy
1990	MIT, Cambridge, MA	Ph.D. Urban & Regional Planning

Positions and Employment

1978-1979	Designer, REDE Corporation, Providence, RI
1979-1983	Mechanical Engineer, MCT Engineers, San Francisco, CA
1984	Consulting Engineer, Xenergy Inc., Burlington, MA
1985-1987	Senior Member of Technical Staff, Meridian Corp., Alexandria, VA
1987-1990	Graduate Research Assistant, Energy Lab, MIT, Cambridge, MA
1991	Postdoctoral Associate, Energy Lab, MIT, Cambridge, MA
1991-1997	Assistant Professor of Public Affairs, Woodrow Wilson School, Princeton University, Princeton, NJ
1997-2002	Assistant Professor of Urban Planning and Policy Development, Edward J. Bloustein School, Rutgers University, New Brunswick, NJ
2002-2009	Associate Professor of Urban Planning and Policy Development, Rutgers University, New Brunswick, NJ
2009-	Professor of Urban Planning and Policy Development, Rutgers University, New Brunswick, NJ

Other Positions and Memberships

1999-	Member, Environmental & Occupational Health Sciences Institute, Rutgers/UMDNJ, Piscataway, NJ
2003-2009	Director, Program in Urban Planning and Policy Development, Rutgers University, New Brunswick, NJ
2003-2005	Board of Directors, International Society for Industrial Ecology
2005-2006	Board of Directors, Institute for Electrical and Electronics Engineers
2008-2011	Board of Directors, American Collegiate Schools of Planning

Professional Credentials

1982	Professional Engineer (Mechanical, licensed in CA, MA, VA)
2004	LEED v.2. Certified Professional, U.S. Green Building Council
2006	American Institute of Certified Planners

Honors

1985	Elected to Sigma Xi
1993-1995	AT&T Industrial Ecology Faculty Fellow
1998-2000	NSF/Lucent Technologies Industrial Ecology Fellow
2000	IEEE 3rd Millenium Medal–Social Implications of Technology
2007-2009	Rutgers Academic Excellence Fund Award, Innovation Studies Initiative
2009	New Jersey Historic Preservation Award, Bell Labs Holmdel Charrette

Selected Publications (from a current total of 105)

- Robert H. Socolow, Clinton J. Andrews, Frans Berkhout and Valerie M. Thomas, editors, *Industrial Ecology and Global Change*, Cambridge: Cambridge University Press, 1994, 500 pp.
- Clinton J. Andrews, editor, *Regulating Regional Power Systems*. Westport CT: Quorum Books (paperback edition also released by IEEE Press, New York), 1995, 405 pp.
- Clinton J. Andrews, *Humble Analysis: The Practice of Joint Fact Finding*. Westport CT: Praeger, 2002, 200 pp.
- Robert Axtell, Clinton J. Andrews, and Mitchell Small, "Agent-based modeling and industrial ecology," *Journal of Industrial Ecology*, Summer 2002, 5(4): 10–14.
- Clinton J. Andrews, Ana Baptista and Shawn Patton, "Grounded theory and multi-agent simulation for a small firm," Ch. 16 in T. Terano, H. Kita, T. Kaneda, K. Arai, and H. Deguchi, eds., *Agent-Based Simulation: From Modeling Methodologies to Real-World Applications*, Tokyo: Springer-Verlag, 2005, pp. 167–81.
- Clinton J. Andrews, "Formulating and implementing public policy for new energy carriers," *Proceedings of the IEEE*, October 2006, 94(10): 1852–63.
- Uta Krogmann, Clinton J. Andrews, Mookhan Kim, Gregory Kiss, and Clare Mifflin, "Water mass balances for the Solaire and the 2020 Tower: Implications for closing the water loop in high-rise buildings," *Journal of the American Water Resources Association*, December 2007, 43(6): 1414–23.
- Clinton J. Andrews, "Energy conversion goes local: Implications for planners," *Journal of the American Planning Association*, Spring 2008, 74(2):231–54.
- Clinton J. Andrews, "Greenhouse gas emissions along the rural to urban gradient," *Journal of Environmental Planning and Management*, November 2008, 51(6): 1–20.
- Clinton Andrews and Uta Krogmann, "Technology diffusion and energy intensity in U.S. commercial buildings," *Energy Policy* 37(2009): 541–553.
- Clinton Andrews and Uta Krogmann, "Explaining the adoption of energy-efficient technologies in U.S. commercial buildings," *Energy and Buildings* 41 (2009): 287–294.
- Clinton Andrews and David DeVault, "Green Niche Market Development: A Model with Heterogeneous Agents," *Journal of Industrial Ecology* April 2009, 13(2): 326-345, special issue on complexity.

Current Research Support

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| 2009-2011 | U.S. Green Building Council, PI, \$150k, Investigating Opportunities for Improving Building Performance through Simulation of Occupant and Operator Behavior |
| 2008-2010 | New Jersey Department of Environmental Protection, PI, \$250k, New Jersey Green Building Guidelines |
| 2007-2012 | National Science Foundation, Co-PI with Uta Krogmann, \$1.8 million, BE-MUSES #725503: Self-Sufficient Urban Buildings |