

Thomas Simeon Woodson

341 Harriman Hall, Stony Brook, NY, 11794

Thomas.woodson@stonybrook.edu,

http://works.bepress.com/thomas_woodson/

EDUCATION

Georgia Institute of Technology, Atlanta, GA

Ph.D. in Public Policy, 2014

Advisor: Susan Cozzens

Dissertation: Emerging Technologies for Developing Countries: How nanomedicine and public private partnerships are used to address diseases of poverty?

Princeton University, Princeton, NJ

B.S.E. in Electrical Engineering, 2007

Advisor: Wole Soboyejo

Senior Projects: Designed an OLED stack for developing countries, Measured surface morphology of transparent conducting oxide for large panel solar cells, Characterized surface and made adhesion force measurements between PEDOT:PSS and gold.

CURRENT POSITION

Stony Brook University, Stony Brook, NY

Assistant Professor in Department of Technology and Society

PREVIOUS APPOINTMENTS

Georgia Institute of Technology, Atlanta, GA

Graduate Research Assistant, 2009- 2014

Science & Technology Policy Institute, Washington, DC

Summer Associate, 2010

International Institute for Water and Environmental Engineering (2iE)

Visiting Fellow, Ouagadougou, Burkina Faso, 2009

The Impact Movement, Cape Town, South Africa

Overseas staff, 2007-2008

Engineering Materials Development Institute, Akure, Nigeria

Visiting Researcher, January 2007

University of Virginia, Microfabrication Laboratory, Charlottesville, VA

Researcher, Summer 2006

Nuclear Regulatory Commission, Region IV, Arlington, TX

Engineering Associate, Summer 2005

Princeton University, Center for Photonics and Optoelectronic Materials, Princeton, NJ

Researcher, Summer 2004

PEER-REVIEWED PUBLICATIONS

1. **Woodson, Thomas.** (under review). “3D Printing for Sustainable Industrial Transformation”. *Development*.
2. Monroe-White, Thema, **Thomas Woodson.** (under review). “Inequalities in Scholarly Knowledge: International Co-Authorship Patterns of African Factor Driven Economies”.
3. **Woodson, Thomas, Duy Dot.** (2015). “Nanotechnology Companies in the United States: A Web-based Content Analysis of Companies and Products for Poverty Alleviation”. *Journal of Business Chemistry*. 12 (1).
4. Cozzens, Susan, Rodrigo Cortes, Ogundiran Soumonni, **Thomas Woodson.** (2013). “Nanotechnology and the Millennium Development Goals: Water, Energy, Agri-food.” *Journal of Nanoparticle Research*. October 2013.
5. Harsh, Matthew and **Thomas Woodson.** (2013). “Pro-Poor Nanotechnology Applications for Water: Characterizing and Contextualizing Private Sector Research and Development”. *Nanotechnology Law and Business* 9(3).
6. **Woodson, Thomas.** (2012). “Inequality in Nanomedicine.” *Journal of Business Chemistry* 9 (3).
7. William, Logan, **Thomas Woodson.** (2012). “The Future of Innovation Studies: Investigating Innovation in Less Economically Developed Countries.” *Minerva* 50(2).
8. **Woodson, Thomas,** Eric Traore, Yezouma Coulibaly (2012). “Earth Air Heat Exchangers for Passive Air Conditioning.” *Journal of Construction in Developing Countries*. 17 (1).

OTHER PUBLICATIONS

1. **Woodson, Thomas.** (Forthcoming). Book Chapter: “Disease of Poverty Nanomedicine Research in South Africa”. Beyond the Imagination: Genetics, Nano and Biotechnologies and their Applications.
2. Wetmore, Jameson, Ndeke Musee, Peter Ashton, **Thomas Woodson,** Matthew Harsh. (Forthcoming). “Nanotechnology Regulation Challenges in South Africa.” Harnessing Nanotechnology for Inclusive Sustainable Development in Africa.
3. **Woodson, Thomas.** (2014). “Book Review: Nanotechnology and Development-What’s in it for Emerging Countries”. *The Journal of Development Studies*. 50 (11).
4. **Woodson, Thomas.** (2014). “Technology Diffusion and Its Impact on Children”. *UNICEF-The State of the World’s Children 2014*. <http://sowc2015.unicef.org/stories/>
5. **Woodson, Thomas.** (forthcoming). “Book Review: Managing Global Innovation- Framework for integrating capabilities around the world”. *International Public Management Journal*.
6. Subramanian, Vrishali, **Thomas Woodson,** Susan Cozzens. (2012). Book Chapter: “Nanotechnology in India: Inferring Linking between Emerging Technologies and Development.” Making it to the Forefront of Nanotechnology- A Developing Country Perspective.

SELECTED CONFERENCES PRESENTATIONS

1. **Woodson, Thomas.** (2015). “Disease of Poverty Nanomedicine Research in South Africa”. Presented at the *Midwest Political Science Association*. April 2015. Chicago, IL.
2. **Woodson, Thomas.** (2015). “Nanotechnology for Poverty Alleviation in USA Companies”. Poster presented at the *American Association for the Advancement of Science*. February 2015. San Jose, CA.
3. **Woodson Thomas,** (2014). “Private Public Partnerships and Disease of Poverty Research”. Poster presented at *Democratizing Technologies*. November 2014. Santa Barbara, CA.

4. **Woodson, Thomas.** (2104). “Private Public Partnerships and Disease of Poverty Research”. Presented at *Globelics*, October 2014. Addis Ababa, Ethiopia.
5. **Woodson, Thomas,** Thema Monroe-White. (2013). “Inequalities in Scholarly Knowledge: International Co-Authorship Patterns of African Factor Driven Economies.” Presented at *The Atlanta Conference on Science and Innovation Policy* September 2013. Atlanta, GA.
6. **Woodson, Thomas.** (2013). “Inequality and Public Private Partnerships in Nanomedicine.” Presented at *The Atlanta Conference on Science and Innovation Policy* September 2013. Atlanta, GA.
7. **Woodson, Thomas,** Susan Cozzens, Jameson Wetmore, Matthew Harsh, Diran Soumonni, Rodrigo Cortes. (2012). “Assessing Equity and Equality in South Africa’s Nanotechnology Initiative”. Presented at *Society for the Social Studies of Science (4S) Meeting*, October 2012, Copenhagen, Denmark.
8. **Woodson, Thomas,** Matthew Harsh. (2011). “Pro-Poor Nanotechnology Applications for Water: Characterizing Private Sector Research.” Presented at *Society for the Study of Nanoscience and Emerging Technologies (SNET) Meeting*, November 2011. Tempe, AZ.
9. **Woodson, Thomas,** Vrishali Subramanian. (2011). “Nanotechnology in India: An examination of the Productivity and Equitable Nature of their Research Program.” Presented at *Society for the Study of Nanoscience and Emerging Technologies (SNET)*, November 2011, Tempe, AZ.
10. Soumonni, Diran, Susan Cozzens, **Thomas Woodson,** et al. (2011). “Assessing Equity and Equality in South Africa’s Nanotechnology Initiative.” Presented at *Society for the Study of Nanoscience and Emerging Technologies (SNET) Meeting*, November 2011, Tempe, AZ.
11. **Woodson, Thomas.** (2011). “The 10/90 Gap in Health Related Nanotechnology Research.” Presented at *The Atlanta Conference on Science and Innovation Policy* September 2011. Atlanta, GA.
12. **Woodson, Thomas,** Susan Cozzens. (2011). “New Technologies, New Power Relationships?: The Case of Nanomedicine.” Presented at the *Conference on the Political Sociology of Science and Technology*. April 28-May 1, 2011. Rensselaer, New York.
13. **Woodson, Thomas.** (2011). “Pro-Poor Nanotechnology: A Bibliometric Analysis of Water Nanotechnology.” Presented at *ST Global*, April 2011. Washington D.C.

INVITED LECTURES

1. **Woodson, Thomas.** (2015). “Nanotechnology for Poverty Alleviation”. Presented at *College for Nanoscale Science and Engineering, SUNY Polytechnic*, March 4, 2015. Albany, New York.
2. **Woodson, Thomas.** (2014). “Nanotechnology for the poor: A look at water, energy, food and health technologies”. Presented at *College for Nanoscale Science and Engineering, University of Albany*, March 2014. Albany, New York.
3. **Woodson, Thomas.** (2014). “Nanotechnology for the poor: A look at water, energy, food and health technologies”. Presented at *Oregon State University*, February 2014. Corvallis, Oregon.
4. **Woodson, Thomas.** (2013). “Emerging Nanotechnologies for the Poor: How nanomedicine and public-private partnerships are used to address diseases of poverty”. Presented at *Universidade Federal do Parana*, June 2013. Parana, Brazil.
5. **Woodson, Thomas.** (2011). “Overview of Georgia Tech and How not to be an engineer”. Presented at *University of Colorado, Boulder*, May 2011. Boulder, Colorado.

TEACHING EXPERIENCE

1. Data Analysis (Master’s level)
Stony Brook University, Spring 2014
2. Comparative Science and Technology Policy (PhD level)

- Stony Brook University, Fall 2014
3. Government of the U.S. (Undergraduate level),
Georgia Institute of Technology, Spring 2014
 4. Advance Research Methods (Master's level)
Georgia Institute of Technology, Fall 2013
 5. Evaluating Public Policy, 3 credit hour course, 19 students
Lecturer, Georgia State University, Summer 2013
 6. Introduction to Policy Analysis, 3 credit hour course, 45 students
Lecturer, Georgia State University, Spring 2012
 7. English Instructor- Ouagadougou, Burkina Faso, Spring 2009
 8. English Instructor-Cape Town, South Africa, 2007-2008

SERVICE

1. **National Society for Black Engineers at Stony Brook Univ.**, Stony Brook, NY
Assistant faculty advisor, 2014-present
2. **Gordon Research Seminar on Science and Technology Policy**, Waterville, NH
Seminar Chair (elected), 2012-2014
Seminar Co-Chair, 2011-2012
3. **Georgia Institute of Technology**, Atlanta, GA
Public Policy Graduate Student Association, 2009-2010
4. **Midtown Bridge Church**, Atlanta, GA
Board member 2012-2014

PEER REVIEW

- 1.
2. International Journal of Technology Management
3. Science and Public Policy
4. Technology in Society

PROFESSIONAL SOCIETIES

- Association for Public Policy Analysis & Management (APPAM), 2013-present
- National Society for Black Engineers, 2003-present
- Society for the Social Studies of Science, 2012-present
- Globelics, 2012-present
- Black Graduate Student Association, 2009-2014
- Group for Research on Innovation for Inclusive Development (GRIID), 2009-present

AWARDS/HONORS

- Best Poster (Honorable Mention), Atlanta Conference on Science and Technology Policy, 2013
- NSF Graduate Research Fellowship, 2010-2013
- Globelics Academy Summer School Participant, 2013
- National Nanotechnology Infrastructure Network Winter School Scholarship, 2011
- Georgia Institute of Technology Presidential Fellowship, 2009
- International Institute for Water and Environmental Engineering Visiting Research Fellow, 2009
- Princeton Plasma Physics Lab Undergraduate Fellow, 2004