

# Michael Bruce Murphree

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Assistant Professor

Sonoco International Business Department  
Moore School of Business  
University of South Carolina

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## EDUCATION

### Georgia Institute of Technology

Atlanta, Georgia

*PhD in Science, Technology and International Affairs, May 2014*

- Thesis: "Building Markets: The Political Economy of Technology Standards"  
*MS, International Affairs, December 2006 (4.0 GPA)*

- Outstanding Sam Nunn School Graduate Student Award, 2007
- Sam Nunn Security Program Graduate Research Assistantship, 2005-2006  
*BS, International Affairs; Certificate, Asian Affairs; May 2004 (3.91 GPA)*

- Sam Nunn School Top Student Award, 2004
- Georgia Tech President's Scholarship, 2000-2004

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## PUBLICATIONS

### Under Review

- "America's Missed Opportunity to Capitalize on Innovative Ideas" (with Dan Breznitz). Under Review at *Harvard Business Review*
- "Emergence of Organizational Routines in Entrepreneurial Ventures" (with Sali Li and Haifen Lin). Under Review at *Entrepreneurship, Theory and Practice*.
- "The more the merrier? State R&D subsidies, dependence, and firm innovation performance" (with Sali Li and Jingtao Yi). Under Review at *Strategic Management Journal*.
- "Tacit Alliance and SME Innovation in China" (with Li Tang and Dan Breznitz). Under Review at *International Journal of Innovation and Regional Development*.

### Peer Reviewed Articles

- "Structured Uncertainty: A Pilot Study on China's Innovation in Mobile Phone Handset Industry" (with Li Tang and Dan Breznitz). *Journal of Technology Transfer*, 2015.
- "The China Standards Engine." *China Currents*, 12:2, 2013.
- "Coming Back Home after the Sun Rises: Returnee Entrepreneurs and Growth of High Tech Industries" (with Dan Breznitz and Martin Kenney). *Research Policy*, 42:2, 2013.
- "Innovation in China: Fragmentation, Structured Uncertainty and Technology Standards" (with Dan Breznitz). *Cardozo Law Review De Novo*, 2013.
- "Influences on the Partial-Liberalization of Internet Service Provision in Ethiopia" (with Lynn Hartley). *Critique*, Fall 2006.

### Book

- *Run of the Red Queen: Government, Innovation, Globalization, and Economic Growth in China* (with Dan Breznitz), Yale University Press, 2011; winner of the 2012 British International Studies Association Susan Strange Best Book Award; bronze medalist for 2012 Axiom Business Book Award for International Business/Globalization.
  - Chinese translation from Economy and Management Publishing House, 2014

### **Commissioned Reports**

- “Technology Standards and International Political Economy” (with Dan Breznitz). Report Commissioned by the Global Commission on Internet Governance, December 2015.
- “The Rise of China in Technology Standards: New Norms in Old Institutions” (with Dan Breznitz). Report commissioned by the United States-China Economic and Security Review Commission, January 16, 2013.
- “Shaking Grounds? Technology Standards in China” (with Dan Breznitz). Report Commissioned by the National Academies, October 5, 2012.

### **Book Chapter**

- “China’s Run – Economic Growth, Policy, Interdependences, and Implications for Diverse Innovation Policies in a World of Fragmented Production” (with Dan Breznitz). Chapter 1 in Dan Breznitz and John Zysman (Eds.) *The Third Globalization*, Oxford University Press, 2013.

### **Conference Proceedings**

- “Collaborative Public Spaces and Manufacturing Cluster Dynamism: The Case of Dongguan, China.” 3<sup>rd</sup> Annual iBEGIN Conference, Philadelphia, PA (November 13-14, 2015)
- “A New Take on Economic Development Institutions in China’s Pearl River Delta.” Industry Studies Association Annual Conference, Kansas City, MO (May 26-28, 2015)
  - Giarratani Rising Star Award Paper Finalist
- “Intellectual Property Strategy in China: IP as a Factor of Production.” Academy of International Business SE Chapter Conference, Miami, FL (October 23-25, 2014).
- “The Logic of China’s Indigenous Technology Standards Policy.” Academy of International Business SE Chapter Conference, Atlanta, GA (October 25-27, 2013).
- “Structured Uncertainty and Tacit Alliance: A Case Study on China’s Innovation Patterns in the Mobile Phone Handset Industry” (with Li Tang and Dan Breznitz). Atlanta Conference on Science and Innovation Policy, Atlanta, GA (September 26-28, 2013).
- “Approaches to Technology Standards for Mobile Telecommunications” (with JP Shim and K Love). Wireless Telecommunications Symposium 2013, Phoenix, AZ, (April 16-19, 2013).
- “Run of the Red Queen: Government, Innovation, Globalization and Economic Growth in China.” Ford Foundation Conference on Finance, Business Models, and Sustainable Prosperity, New York, (December 6-7, 2012).
- “Standardized Confusion: The Political Logic of China’s Technology Standards Policy.” Industry Studies Association Conference, Pittsburgh, PA (May 31-June 3, 2011).
- “Influences on the Partial-Liberalization of Internet Service Provision in Ethiopia” (with Lynn Hartley). Telecommunications Policy Research Conference, George Mason University (September 29-October 1, 2006) – received top graduate student submission award.

### **Other Publications**

- “The Sky is not Falling—the Truth about China’s Economy” (with Dan Breznitz). *Yale Press Blog*, September 3, 2015.

- “The Still Running Red Queen: China since the Financial Crisis” (with Dan Breznitz). *The World Financial Review*, Spring 2015.
- “Technology Standards in China” (with Dan Breznitz). ETLA Brief No. 3, February 2013.
- “Innovation in Emerging Economies: China’s Run of the Red Queen” (with Dan Breznitz). *The World Financial Review*, September-October 2011.
- “Time to Rethink our Innovation Policies” (with Dan Breznitz). *Atlanta Business Chronicle*, September 2, 2011.
- “Ubiquitous Data Collection: Rethinking Privacy Debates” (with Dan Breznitz and Sy Goodman). *Computer: The Flagship Publication of the IEEE Computer Society*, June 2011.
- “Run of the Red Queen” (with Dan Breznitz). *China Economic Quarterly*, September 2010.
- “Review of *Rise of the Red Engineers: The Cultural Revolution and the Rise of China’s New Class* by Joel Andreas.” *Review of Policy Research*, 2010.
- “North Korea/South Korea Nuclear Fuel Cycle.” *The Arms Control Reporter*, 2003.
- “North Korea Nuclear Situation.” *The Arms Control Reporter*, 2003.

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## TEACHING EXPERIENCE

- Current
  - **Comparative Innovation Systems (IBUS490)** – undergraduate capstone honors seminar introducing theories of comparative research, regional, national and global innovation systems and strategies for maximizing firm-innovation outputs
  - **Globalization and Business (IBUS310)** – undergraduate lecture course introducing the field, theories, and practice of international business under globalization (Fall 2014, 2015)
- Previous
  - **International Political Economy (INTA 3301)** – undergraduate lecture course covering theories and practical problems for third year International Affairs majors (Spring 2013)
  - **Political Economy of Innovation in China (INTA 8000X)** – advanced graduate reading seminar to prepare research fellows for field research on high technology industrial innovation in China (Spring 2011, 2012)

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## INVITED TALKS AND PRESENTATIONS

- Collaborative Public Spaces and Manufacturing Cluster Dynamism: the Case of Dongguan, China. 3rd Annual iBEGIN Conference, Philadelphia, PA (November 13-14, 2015)
- A New Take on Economic Development Institutions in China’s Pearl River Delta. Industry Studies Association Annual Conference, Kansas City, MO (May 26-28, 2015)
- The China Perspective (Hosted by University of South Carolina International Business and Chinese Enterprise Program), “Chinese Business in 2015.” Columbia, SC, (March 27, 2015).
- Academy of International Business SE Chapter Conference, “Intellectual Property Strategy in China: IP as a Factor of Production.” Miami, FL, (October 23-25, 2014).
- Academy of Management, “State and Market: Institutions of Technology Standardization in China.” Philadelphia, PA, (August 1-5, 2014).
- Academy of International Business SE Chapter Conference, “The Logic of China’s Indigenous Technology Standards Policy.” Atlanta, GA, (October 25-27, 2013).
- Korean Professional Business Lecture “Technology Standards in China: The Trouble of Institutions and IP.” Georgia State University Robinson College of Business, Atlanta, GA, (July 24, 2013).
- Global China Connection – China Summit “China in 2023.” Panel Moderator. Emory University, Atlanta, GA, (March 30, 2013).

- Ford Foundation Conference on Finance, Business Models, and Sustainable Prosperity, “Run of the Red Queen: Government, Innovation, Globalization and Economic Growth in China.” New York, (December 6-7, 2012).
- National Academies Intellectual Property Management in Standard-Setting Processes, “Technology Standards in China: the Structured Uncertainty of a Brave New World?” Washington, D.C. (October 3, 2012).
- Georgia Tech, “Seminar: Applying for Social Science Research Grants.” Sam Nunn School of International Affairs (September 21, 2012).
- Xiamen University, “Run of the Red Queen: An American Perspective on Chinese Innovation.” Xiamen University Taiwan Research Institute (June 14, 2012).
- Tsinghua University, “Run of the Red Queen: Government, Innovation, Globalization and Economic Growth in China.” Tsinghua University Department of Science, Technology, and Society (May 30, 2012).
- Industry Studies Association Conference, “Standardized Confusion: The Political Logic of China’s Technology Standards Policy.” Pittsburgh, PA (May 31-June 3, 2011).
- Chinese Friendship Association Conference, “Technology Standards and Economic Development Strategy.” Atlanta, GA (April 6, 2011).
- Georgia Tech Colloquium on National Security, “China’s Technology Standards Policy.” Atlanta, GA (February 24, 2010).

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## RESEARCH GRANTS AND PROJECTS

- **Wang Initiative Research Grant (January 2015-September 2016)**
  - \$30,000 grant with Sali Li conducting comparative study of industrial cluster development in China, Germany and South Carolina
- **Wang Initiative Research Grant (January 2015-September 2016)**
  - \$8,000 grant for fieldwork on innovation performance and industrial upgrading in China’s Pearl River Delta
- **CIBER Foreign Travel Grant (January 2015-September 2015)**
  - \$7,000 grant to support continuing fieldwork in China
- **National Science Foundation (April 2010-April 2014)**
  - \$400,000 research grant to conduct China-based inductive theory building research studying the IT industry to develop a new theory addressing innovation by firms and organizations in emerging economies under conditions of “structured uncertainty.”
- **United States-China Economic and Security Review Commission (May 2012-May 2013)**
  - \$52,000 research grant to study of China’s technology standardization strategy, institutions of standardization and its influence on global standardization norms and institutions.
- **Institute for Information Infrastructure Protection (March 2011-December 2012)**
  - \$193,000 two-year project sponsored by the Institute for Information Infrastructure Protection (I3P) studying the impacts of ubiquitous data collection over the Internet.
- **National Academies (April 2012-October 2012)**
  - \$6,000 comparative study of national technology standardization systems and their relationship to intellectual property rights.
- **Cisco Systems (October 2009-March 2010)**
  - Sponsored research initiative jointly with UC Berkeley studying the development of Cloud Computing Capabilities in China in comparison with the United States and Japan
- **Sloan and Kaufmann Foundations (January 2007-September 2009)**

- \$250,000 research investigation into the development of the Chinese Information Technology (IT) industry and innovation capacity

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## WORK IN PROGRESS

- Article, “Emergence of Organizational Routines in Entrepreneurial Ventures” (with Sali Li and Haifen Lin) – will submit to *Entrepreneurship Theory and Practice*
- Article, “SME Innovation under Structured Uncertainty: China’s Mobile Handset Industry” (with Dan Breznitz and Li Tang)
- Article, “The Strategic Trade Logic of China’s Indigenous Standards Policy” (with Dan Breznitz).
- Article, “Indigenizing Networks: A New Take on Economic Development in China’s Pearl River Delta” (with Dan Breznitz).
- Article, “Intellectual Property Strategy in China: IP as a Factor of Production.”
- Book, “Politics, Technology Standards, and Economic Performance”

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## OTHER RESEARCH AND WORK EXPERIENCE

- **Graduate Research Assistant (August 2005-December 2006)**
  - Administered the Program’s public lectures, presentations, excursions and web page
  - Designed a new spread sheet-based organization system for program contacts and fellows increasing participation and publicity of program events and research
- **USAID Last Mile Initiative (LMI) Innovation Program Fellow (August-December 2005)**
  - Formulated and published new theory of the prospect for successful reforms for Internet Service Provision and their market impact in Ethiopia based on meetings with representatives of USAID, UNDP, the Ethiopian government and industry actors
  - Research supported by Computers, Communication, and International Development Fellowship sponsored by the USAID Last Mile Initiative, Fall 2005
- **Institute for Defense and Disarmament Studies Summer Research Intern (June-August 2003)**
  - Monitored international news coverage during the 2002-2003 nuclear crisis in North Korea
  - Consolidated daily updates of events and government maneuvers into a concise report for use by government, think tank and academic policy researchers

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## PROFESSIONAL ASSOCIATIONS AND LEADERSHIP

- *Industry Studies Association – Early Career Development Workshop Committee Chair*
- *Academy of International Business*
- *Academy of Management*

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## PEER REVIEW ACTIVITY

- *Routledge Press (Taylor and Francis Group)*
- *Small Business Economics*
- *Review of International Political Economy*
- *Journal of International Management*
- *Technovation*
- *Emerging Market Finance and Trade*

- *Science and Public Policy*
- *Research Policy*
- *Telecommunications Policy*
- *Yale University Press*

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## **THESIS COMMITTEES**

- *Tolga Ulusemre – Dissertation Committee – 2014-2016*
- *Hye Sun Kang – Dissertation Committee – 2015-2016*
- *Kathleen MacKenzie – Senior Honors Thesis – 2015-2016*
- *Luigi Cesaratto – Senior Honors Thesis – 2015-2016*
- *William Chernenkoff – Magellan Undergraduate Research – 2015-2016*
- *Camille McCutcheon – Magellan Undergraduate Research – 2015-2016*

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## **RECOMMENDATION LETTERS**

- *Kassandra Solsrud (Public Health Internships) - 2016*
- *Ryder Hogan (Law School) - 2016*
- *Kathleen MacKenzie (IB-Oxford) - 2016*
- *Courtney Wolf (Law School) – 2015*
- *Matthew Zimmerman (Mayor's Fellowship and Law School) – 2015*
- *Nicolas Roa (Business School) – 2015*
- *Marcus Senninger (Fulbright) - 2015*