

# NATALIE A. PRIVETT

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## EDUCATION

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STANFORD UNIVERSITY – STANFORD, CA	2010
PH.D. MANAGEMENT SCIENCE & ENGINEERING	
M.S. MANAGEMENT SCIENCE & ENGINEERING	
Concentration: Production & Operations Management	
TEXAS A&M UNIVERSITY - COLLEGE STATION, TX	2002
B.S. INDUSTRIAL ENGINEERING, MAGNA CUM LAUDE	

## RESEARCH

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Privett's research lies at the intersection of operations management, nonprofit studies, and global public health, focusing on applying the theories and tools of operations management in philanthropy and civil society. Although global civil society actors, such as funders and NGOs, are intervening in developing countries and emerging markets for operational outcomes (e.g., lower market prices and increased availability of products), the questions remain of who, how, where, when and what operational intervention should be executed for specific outcomes. Privett's multidisciplinary research aims to explore this notion of strategic operational interventions to improve health delivery and markets in developing countries.

## WORKING PAPERS

Privett, N. and P. Yadav. Analysis of the Procurement and Pricing Architecture for Vaccines, *Working Paper*.

## PUBLICATIONS & PRESENTATIONS

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### PEER REVIEWED JOURNAL PUBLICATIONS

Privett, N. and D. Gonsalvez. (2014). The Top Ten Global Health Supply Chain Issues: Perspectives from the Field. *Operations Research for Health Care*. 3(4) 226-230.

Privett, N. and F. Erhun. (2011). Efficient Funding: Auditing in the Nonprofit Sector. *Manufacturing & Service Operations Management*. 13(4) 471-488.

## PEER REVIEWED BOOK CHAPTERS

**Privett, N.** (Forthcoming 2015). Information Visibility in Humanitarian Operations: Current State-of-the-Art. In N. Atlay, M. Haselkorn, and C. Zobel (Eds.), *Advances in Managing Humanitarian Operations*. New York: Springer.

**Privett, N.** (2011). Community-Based Operations Management in the Nonprofit Sector. In M. Johnson (Ed.), *Community-Based Operations Research: Decision Modeling for Local Impact and Diverse Populations*. New York: Springer.

## EDITOR REVIEWED PUBLICATIONS

**Privett, N.** (2015, April 7) [Supplying Health to the Whole World](#). *The Medicine Maker*, 0315, Article #302.

**Privett, N.** (2014, February 24). [Improving Visibility in Humanitarian Supply Chains](#). *The Humanitarian Space: Articles* (The Humanitarian Practice Network).

**Privett, N.** and L. Rock Kopczak (2012, April). [Remedies for Drug Expiry Issues](#). *Supply Chain Frontiers* (MIT Center for Transportation and Logistics). 45.

## REPORTS

**Privett, N.,** E. Spiliotopoulou, and D. Gonsalvez, (2012). GULLIVER: Viability Analysis for Global Pharmaceutical Tracking (Novacom Services Document id NS-11.041). Paris: Zaragoza Logistics Center, Novacom Services, and the European Space Agency.

**Privett, N.** (2012). GULLIVER: State-of-the-Art Analysis Report: Global Supply Chain Visibility Technology (Novacom Services Document id NS-11.074). Report. Paris: Zaragoza Logistics Center, Novacom Services, and the European Space Agency.

**Privett, N.** and D. Gonsalvez, (2012). GULLIVER: Stakeholder/User Overview and User Requirements Report: Global Pharmaceutical Tracking and Tracing (Novacom Services Document id NS-11.052). Report. Paris: Zaragoza Logistics Center, Novacom Services, and the European Space Agency.

Dalal, P., T.Q. Hu, M.J. Tao, S.K.P. Sum, S. Lee, **N. Privett**, J.T.C. Shun and S.X. Wei. (2008). RFID Solutions for the High-Tech Industry. White Paper, Stanford University, Hong Kong University of Science and Technology, and SAP Research.

## PRESENTATIONS

## TEACHING

### PERFORMANCE MEASUREMENT AND MANAGEMENT (PADM-GP 2170)

FALL 2012-PRESENT

This core course for students specializing in management focuses on the fundamentals of performance measurement and how they are critical from a mission, strategic, funding, transparency and accountability perspective. It covers not only how to select appropriate measures, but also how to implement a performance measurement system and use performance measures to manage an organization.

## OPERATIONS MANAGEMENT (PADM-GP 2170)

SPRING 2013- PRESENT

Designed from scratch, this course provides an introduction to operations management in the context of public, nonprofit, and health sectors. In this course, students develop a lens for processes and systems in a variety of contexts along with an analytical toolbox to examine, understand, and improve these.

## THE INTERSECTION OF OPERATIONS AND POLICY: A MULTIMEDIA LEARNING EXPERIENCE IN THE NEW YORK CITY FAMILY HOMELESS SHELTER SYSTEM (PADM- 2140)

FALL 2014-PRESENT

This original course aims to expose students to policy formation in a highly political environment, operations management of systems shaped by state and local policy, and their intersection, while building a toolbox of specific skills that support analysis and decision making. A unifying Multimedia Interactive Case Study focused on the NYC family homeless shelter system will be the backdrop of this course.

## INDEPENDENT STUDY

SPRING 2013

Supervising one master's student in an independent study project focused on performance measurement in advocacy organizations, which includes a case study.

# PROFESSIONAL EXPERIENCE

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## WAGNER GRADUATE SCHOOL OF PUBLIC SERVICE, NEW YORK UNIVERSITY

START 8/2012

### ASSISTANT PROFESSOR OF MANAGEMENT AND POLICY

Teach core management course, Performance Measurement and Management course (Fall 2012 and Spring 2013), as well as an original Operations Management course for public, health and nonprofit contexts (Spring 2013). See the Teaching section for additional details. See the Research and Presentations and Publications sections for a description of research activities.

## ZARAGOZA LOGISTICS CENTER, MIT GLOBAL SCALE NETWORK

3/2011 - PRESENT

### POST-DOCTORAL RESEARCH FELLOW

Design and execute a research agenda focused on global health and humanitarian supply chains including collaboration with academic colleagues, nongovernmental organizations, corporations and country governments.

STANFORD UNIVERSITY, 9/2008 -3/2009  
DEPARTMENT OF MANAGEMENT SCIENCE & ENGINEERING  
COURSE ASSISTANT

SEI/AEA PROGRAM, STANFORD GSB EXECUTIVE 2006, 2007  
EDUCATION - STANFORD, CA  
PROGRAM ASSISTANT

EFFECTIVE DISRUPTION MANAGEMENT SEMINAR, 3/2005-9/2005  
STANFORD CENTER FOR SOCIAL INNOVATION  
PROGRAM ASSISTANT

APPLIED MATERIALS - AUSTIN, TX 7/2002-9/2004  
INDUSTRIAL ENGINEER

Designed and executed time study methodology, which identified opportunities for line and staffing improvement. Managed relocation and resizing projects for several product lines resulting in increased efficiency and safety. Produced process maps optimizing final test procedures while identifying future cycle time reduction projects.

Member of Academic Liaison Leadership Team with Texas A&M University, assuming leadership positions of Diversity Lead, Project Committee Lead, Lecture & Case Study Development committee member, and Texas A&M Women in Engineering Conference Representative and Speaker.

NATIONAL INSTRUMENTS - AUSTIN, TX 5/2001-8/2001  
ENGINEERING LEADERSHIP PROGRAM/MANUFACTURING ENGINEERING INTERN

## **AWARDS, FELLOWSHIPS,& HONORS**

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NYU WAGNER PROFESSOR OF THE YEAR 2012-2013  
Distinguished award determined by popular student vote. Won in first year of teaching.

STANFORD UNIVERSITY CENTER FOR PHILANTHROPY AND CIVIL 2009-2010  
SOCIETY FELLOW

Competitive research fellowship providing one year of support to further the Center's mission of engaging students to examine ways in which philanthropic institutions, nonprofit organizations, and other key elements of civil society work to define and address public interest.

NATIONAL SCIENCE FOUNDATION GRADUATE RESEARCH FELLOWSHIP

2005-2008

Competitive fellowship award (10% or less award rate) provided three years of support, including US\$30,000 annual living stipend, US\$10,500 cost-of-education allowance and university waiver of tuition.

TAU BETA PI ENGINEERING HONOR SOCIETY

2000-PRESENT

TRAVEL AWARDS

- Student Scholarship, Public Health Systems Research AcademyHealth Annual Research Meetings (Attendee and Presenter)2009
- Travel Support, Public Health Systems & Services Research Keeneland Conference (Attendee and Presenter)2009
- Travel Support, Humanitarian Logistics Conference at Georgia Tech (Attendee)2009

GRANTS

NYU CURRICULUM DEVELOPMENT CHALLENGE FUND

2013-2014

NYU competitively awarded proposal “The Intersection of Operations and Policy: A Multimedia Learning Experience in the New York City Family Homeless Shelter System” for \$5,000.

WAGNER FACULTY RESEARCH FUND

2013-2014

NYU Wagner internally awarded proposal “Analysis of Procurement and Pricing Architecture for New Vaccines” in the amount of \$20,000.

ASSURING THE FUTURE OF PUBLIC HEALTH SYSTEMS RESEARCH GRANT

2009-2010

Competitive \$10,000 Dissertation Research Grant awarded for proposal “Investigating the effects of partnerships on local public health agencies” by the University of Kentucky Center for Public Health Systems and Services Research with funding from the Robert Wood Johnson Foundation.

SERVICE & OUTREACH

SOCIETY OF WOMEN ENGINEERS

1998-PRESENT

- Chapter Graduate Peer Mentor2005-2008
- Student Liaison Chair, Southwest Texas Professional Chapter2002-2004
- Chapter President, Texas A&M University2001-2002
- Chapter Vice President, Texas A&M University2000-2001

- Outreach Chair, Texas A&M University 1999-2000

## INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT SCIENCES (INFORMS)

2004-PRESENT

- Section on Public Programs, Service and Needs Member, National 2009-present
- Women in Operations Research/Management Science Forum Member 2004-present
- Judge, Public Programs, Service and Needs Best Paper Competition 2013
- Membership and Member Services Committee Member, National 2010-2012
- Information Officer, Stanford University 2004-2010

## INTERNATIONAL ASSOCIATION OF PUBLIC HEALTH LOGISTICIANS

2011-PRESENT

- Moderated Discussion Leader: Top 10 Issues in Global Health Supply Chains 2015

## MECHANICAL ENGINEERING WOMEN'S GROUP, STANFORD UNIVERSITY

2006-2010

- E311a: "Women's Perspectives in Engineering" Seminar Design and Coordination Committee Member 2006-2010
- Treasurer 2008-2010

## AKILI DADA – EMPOWERING THE NEXT GENERATION OF AFRICAN WOMEN LEADERS

2009-2010

- Advisory Board Member

## STANFORD UNIVERSITY DEPARTMENT OF MANAGEMENT SCIENCE & ENGINEERING FACULTY SEARCH COMMITTEE

2008-2009

- Member, Student Committee Chair

## STANFORD EDUCATIONAL STUDIES PROGRAM

2008

- Splash! Teacher

## STANFORD UNIVERSITY GLOBAL PROJECT COORDINATION COURSE

2007

- Project Lead

## PROFESSIONAL AFFILIATIONS

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- INSTITUTE FOR OPERATIONS RESEARCH AND MANAGEMENT SCIENCES (INFORMS)
  - WOMEN IN OPERATIONS RESEARCH/MANAGEMENT SCIENCE
  - PUBLIC PROGRAMS, SERVICE AND NEEDS SECTION
- SOCIETY OF WOMEN ENGINEERS

## JOURNAL REVIEW SERVICE

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- INTERFACES
- Journal of Public Health (JPH)
- Production and Operations Management
- Disasters