

# ALISON O. MURPHY

Supply Chain and Operations Department  
Carlson School of Management

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## Education

**Carlson School of Management, University of Minnesota, expected May 2023**  
Advisor: Dr. Rachna Shah

**MBA, Kenan-Flagler Business School, University of North Carolina, 2017**  
Operations Management and Sustainable Enterprise  
*Dean's Scholar – Top 5% academic performance*

**M.E. in Nuclear Engineering, Pennsylvania State University, 2011**  
Project Title: "Review of the SL-1 Reactor Accident: A Review from the Defense in Depth Perspective" Advisor Dr. K. Ivanov

**B.S in Physics, Georgia Institute of Technology, 2008**  
*Highest Honors*

## Industry Experience

**Whirlpool Corporation, 2016**  
MBA internship focused on improving software solutions for sustainability reporting

**United States Navy, Naval Reactors, 2008-2014**  
*Naval Reactors oversees the Navy's nuclear plants from design through operation to disposal*  
Managed R&D projects and resolution of manufacturing quality issues for pumps and motors

## Research Interests

Safety and Quality Management; Mindfulness

## Working Papers

Exploring the Impact of Financial Penalties on Future Nursing Home Quality (with Rachna Shah and Gopal Narayanamurthy). Status: Preparing manuscript for submission

## Fellowships and Awards

Roger and Marlene Schroeder Outstanding 1 <sup>st</sup> Year PhD Student Paper	2019
PhD Student Travel Award	2019
Carlson Family Foundation PhD Fellowship	2018-2020

## Conference Presentations

Revisiting the Profit-Quality Link in Nursing Homes  
-INFORMS Annual Meeting 2019, Seattle, Washington

Do Penalties Improve Quality in Nursing Homes?

-POMS Annual Conference 2020, Minneapolis, MN (*moved to 2021 due to COVID-19*)

Do Penalties Improve Quality in Nursing Homes?

-INFORMS Annual Meeting 2020, virtual

### **Media and Impact**

OR/MS Today. "The Case for Academic Research Focusing on LGBTQIA+ Community" by **A. Murphy** and D. Roy. June 2021

INFORMS Diversity Blog. "Towards an Inclusive INFORMS: Representation and Distinctive Support Needs of LGBTQIA+ Members" by **A. Murphy** and D. Roy. May 2021

### **Teaching Experience**

#### **Preparing Future Faculty Program**

-Teaching in High Education Spring 2021

#### **Carlson School of Management, University of Minnesota**

##### **Teaching Assistant**

-Supply Chain and Operations Management (MBA) Fall 2018-2020, Spring 2020-2021

-Supply Chain and Operations Management (EMBA) Spring 2019, Fall 2019

-Quality Management and Lean Six Sigma (Undergraduate) Spring 2019

-Operations Excellence via Lean Thinking (MBA) Fall 2019

#### **Kenan-Flagler Business School, University of North Carolina**

##### **Teaching Assistant**

-Data Analytics and Decision Making (MBA) Fall 2016

-Business Strategy (MBA) Fall 2016

-Marketing Analytics (MBA) Spring 2017

##### **Tutor**

-Accounting, finance, operations (MBA) Fall 2016

#### **Georgia Institute of Technology**

##### **Teaching Assistant**

-Physics I (Undergraduate) Fall 2006

-Physics II (Undergraduate) Spring 2007

##### **Tutor**

-Physics "Help-Lab" (Undergraduate) Fall 2007

### **Doctoral Coursework**

#### Theory Courses

Technology Management in Operations

Research in Quality Management

Behavioral Operations

Research in Operations Strategy

#### Methods Courses

Econometric Analysis

Applied Policy Analysis

Theory of Statistics

Research Methods in Organizations

Organizational Theory  
Theory Building and Research Design  
Attitudes and Social Behavior

Categorical Data Analysis

**Service**

Member of INFORMS, POMS, and DSI  
INFORMS DEI Ambassador 2020