

# RENEE J. BUTLER, PH.D., P.E.

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*Interim Dean, Dr. James 'Earl' Perry College of Mathematics, Computing, and Sciences*

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## Biography

Renee Butler is the Interim Dean of the Dr. James “Earl” Perry College of Mathematics, Computing, and Sciences. Dr. Butler is a proven leader with more than 20 years of experience in academia. She was named the 2020 Engineer of the Year in Education by the Georgia Society of Professional Engineers. She previously served as the Interim Dean, Senior Associate Dean, and Assistant Dean for Operations for the Southern Polytechnic College of Engineering and Engineering Technology at Kennesaw State University. From 2012 to 2015, Dr. Butler served as founding department chair of the Systems and Mechanical Engineering Department, and under her leadership the programs earned their initial ABET accreditation. In addition to her university experience, Dr. Butler has worked for M&M, Mars, Inc. and The Torrington Company.

## Research and Teaching Interests

Dr. Butler’s research interests are in strategic supply chain design, applied operations research, and STEM education. Her teaching interests span linear programming, engineering economics, and project management.

## Education

Ph.D., Industrial and Systems Engineering, Georgia Institute of Technology “Supply Chain Design for New Products” under advisors Jane C. Ammons and Joel Sokol

M.S., Operations Research, Georgia Institute of Technology

B.I.E., Industrial Engineering, Georgia Institute of Technology with highest honors and cooperative education program

## Licensures and Certificates

Professional Engineer, National Society of Professional Engineers. (January 2001 - present).

Women in Leadership: Driving Transformation through Innovation and Resilience Certificate, Emory University Continuing Education (May 2024).

ABET Institute for the Development of Excellence in Assessment Leadership (IDEAL) (January 2024).

## Awards

The 100 Most Influential Women in Georgia Engineering, Engineering Georgia, 2022

Engineer of the Year in Education, Georgia Society of Professional Engineers, 2020

Atlanta Business Chronicle’s Who’s Who in Education 2019

## Published Intellectual Contributions

### Journal Articles

Scherrer, C. R., Butler, R. J., Burns, S. (2010). Student perceptions of online education. *Advances in Engineering Education*, 2(2), 1–23.

Jeffery, M., Butler, R. J., Malone, L. C. (2008). Achieving Cost-Effective Supply Chain Service Level. *Supply Chain Management: An International Journal*, 13(3), 225-232.

Butler, R. J., Ammons, J. C., Sokol, J. (2006). Planning the Supply Chain Network for New Products: A Case Study. *Engineering Management Journal*, 18(1), 35-43.

### **Conference Proceedings**

Utschig, T., Lowder, M. L., Butler, R. J., Sooklal, V. K., Ham, C. H. (2021). *Using Motivational Theory to Implement S-STEM Activities Supporting Student Success*. American Society of Engineering Education (ASEE) Conference Proceedings.

Bozkurt, I. and R.J. Butler (2010). Online Education within Engineering Management, American Society of Engineering Management (ASEM) Conference Proceedings.

Butler, R. J., Scherrer, C. R. (2009). *Developing a Standard Student Interface for Online Courses through Usability Studies*. American Society for Engineering Education (ASEE).

Scherrer, C. R., Butler, R. J., Burns, S. (2009). *Differences in Perceptions of On-line Education Between Those Who Have and Have Not Experienced On-line Learning*. Proceedings of the Southeastern Regional ASEE conference.

Sharawi, A., Geiger, C. D., Butler, R. J. (2007). *Emergency Response Planning for Anticipated Hurricane Events*. Industrial Engineering Research Conference (IERC).

Jeffery, M., Butler, R. J., Geiger, C. D. (2006). *An Empirical Evaluation of Inventory Planning Frequencies based on Cost and Production Stability*. Industrial Engineering Research Conference (IERC).

Butler, R. J., Ammons, J. C., Sokol, J. (2004). *How to Design a Supply Chain for New Products*. Industrial Engineering Research Conference.

Jeffery, M., Butler, R. J. (2004). *Optimizing Agility in a Semiconductor Supply Chain*. IEMS Conference.

### **Presentations Given**

#### **Invited Presentations**

Butler, R.J. and C.R. Scherrer, Design of Online Course Interface for Student Usability and Satisfaction, INFORMS National Conference, Washington, D.C., October 2008.

Scherrer, C.R., S. Burns, and R.J. Butler, Perceptions of On-line Education, INFORMS National Conference, Washington, D.C., October 2008.

Butler, R.J., SPSU Systems Engineering Plans, and Curriculum, Atlanta Chapter of the International Council on Systems Engineering (INCOSE), Marietta, GA, May 2008.

Sharawi, A, C.D. Geiger and R.J. Butler, Evacuation Relief Shelter Planning for Anticipated Hurricane Events, INFORMS National Conference, Seattle, WA, November 2007.

Butler, R. Current Trends in Supply Chain Design, Central Florida IIE Mini-conference, Orlando, FL, May 2005.

Butler, R. and M. Jeffery, M. Optimizing Supply Chain Agility, Production and Operations Management Society (POMS), Chicago, IL, May 2005.

### **Presentations**

Butler, R. J., Holliday, S. H., Reichert, N. L., GWST Focus Week, "STEM, Work, and Gender," GWST, Kennesaw State University, Marietta Campus, November 5, 2015.

Jeffery, M. and R. Butler. Determining a Cost-Effect Customer Service Level: An Empirical Study, INFORMS National Conference, San Francisco, CA, November 2005.

Trivedi, A, R. Butler and K. Shrauger. Designing a Document Delivery System for UCF's Interlibrary Loan Department, IEMS Conference, Cocoa Beach, FL, March 2005.

Jeffery, M. and R. Butler. Achieving Cost-Effective Supply Chain Agility via Regression and Optimization, SCALE Conference, Cocoa Beach, FL, February 2005.

Jeffery, M. and R. Butler. Quantifying and Optimizing Supply Chain Agility, INFORMS National Conference, Denver, CO, October 2004.

Butler, R, L. Clarke, and A. Sharawi. A Robust Optimization Approach for Distribution Capacity Expansion, INFORMS National Conference, Denver, CO, October 2004.

Butler, R., J. Ammons, and J. Sokol. How to Design a Supply Chain for New Products, IEMS Conference, Cocoa Beach, FL, March 2004.

Yousef, N., A. Rahal, and R. Butler. Using System Dynamics as an Educational Tool in Explaining the Supply Chain, IEMS Conference, Cocoa Beach, FL, March 2004.

Butler, R., J. Ammons, and J. Sokol. "Robust Optimization Model for Production and Distribution Capacity Development." INFORMS National Conference, Atlanta, GA, November 2003.

Butler, R., J. Ammons, and J. Sokol. "Supply Chain Design for New Products." INFORMS National Conference, Miami, FL, November 2001.

### **Poster Sessions**

Butler, R., J. Ammons, and J. Sokol. Care and Feeding of New Supply Chains, IERC Conference, Orlando, FL, May 2002.