

Biographical Data

Lu Ann Sims Carpenter, Ph.D.

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Education:

- 2016 – Ph.D., Industrial & Systems Engineering, Auburn University
- 2014 – Master of Industrial and Systems Engineering, Auburn University
- 1978 - Master of Science, Industrial Engineering, Georgia Institute of Technology
- 1975 - Bachelor of Engineering Economic Systems, Industrial Engineering, Georgia Institute of Technology

Current Position: (2016-Present) Director, Student Program Assessment and Administration, Auburn University

- 2005 - 2016: Academic Advisor & Instructor, Auburn University
- 2003 - 2005: Instructor, Auburn University
- 2000 - 2004: Adjunct Instructor, Southern Union State Community College
- 1983 - 1991: Manager, Engineering Evaluation, Compaq Computer Corporation
- 1980 - 1983: Supervisor, Production Engineering, Datapoint Corporation
- 1979 - 1980: Engineer, Industrial Handling Engineers, Inc.
- 1977 - 1979: Assistant Research Engineer, Georgia Tech Experiment Station

Public, Professional and University Service, and Professional Memberships

- 2010 - 2013: *Regional Vice President - Southeast Region* - Institute of Industrial Engineers
- 2008 - 2010: *Assistant VP for Student Development* - Institute of Industrial Engineers
- 2006 - PRESENT: *Program Evaluator, Institute of Industrial Engineering* – ABET, including 6 visits to U.S. institutions and two international visits.
- 2003 - PRESENT: Senior Member, Institute of Industrial Engineers
- 2004 – Present: Faculty Advisor - Institute of Industrial Engineers
- 2012 – Present: Faculty Advisor – Outdoor Adventure Club
- 2004 – Present: ABET coordinator, Department of Industrial and Systems Engineering, Auburn, AL

Relevant Speaking Experience:

- Recent semester academic courses taught: INSY 3410 (Deterministic Operations Research, 2003), ENGR 1110 (Introduction to Industrial and Systems Engineering, 2004-2012), INSY 3021 (Methods Engineering and Work Measurement, 2013-2015)
- “Introduction to ABET Accreditation”, First International Engineering Applications Conference, Puerto Montt, Chile, January 2015.
- “Work Measurement Short Course”, Engineering Tools and Techniques Workshop, July 2014, Auburn University.
- “ABET Accreditation of IE Programs”, Women in Industrial Engineering Conference, Ankara, Turkey, 2012.
- “Using an Excel Spreadsheet as an Advising Tool”, Academic Advising Drive-In Conference, Auburn University, August 28, 2009.

Research Publications:

- **Sims, LuAnn**, Davis, Gerard, Seseck, Richard, Gallagher, Sean, Schall, Mark, Prafful Bhardwaj, “Determining Empirical Donning and Doffing Times for Complex Combinations of Personal Protective Equipment (PPE)”, *Advances in Safety Management and Human Factors, Proceedings of the AHFE 2016 International Conference on Safety Management and Human Factors*, , pp 89-100, July 27-31, 2016, Walt Disney World, Florida, USA.
- Davis, Jerry, **Sims, LuAnn**, Seseck, Richard, Gallagher, Sean, “Developing Empirical Donning Times for Smoke Hoods”, ATINER 2015 Conference, 2015.
- Valenzuela, Jorge, Davis, Gerard, **Sims, Lu Ann**, "Undergraduate Research in Automotive Manufacturing Systems at Auburn University", ICEE 2008 Conference, 2008.