

Curriculum Vitae: Randal W. Sitton, Ph.D.

EDUCATION:

1978–1985

Bachelor of Science in Chemical Engineering, May 1985, University of Houston, Houston TX

1978–1985

Bachelor of Science in Industrial Engineering, May 1985, University of Houston, Houston TX

1985–1988

Master of Science in Industrial Engineering, May 1988, University of Houston, Houston TX

Research Area: Engineering Management

Thesis: “An Analysis of Transition Management From an Engineering Management Perspective”

1988–1992

Ph.D. in Industrial Engineering, May 1992, University of Houston, Houston TX

Research Area: Reliability Engineering

Dissertation: “Reliability Analysis From Censored Life Test Data”

PROFESSIONAL CERTIFICATIONS AND MEMBERSHIPS

Federal Grants Management Certification, Management Concepts, 2015

Senior Member, Institute of Industrial and Systems Engineering, 1982-

PROFESSIONAL EXPERIENCES

2015-present, Instructional Associate Professor, Department of Industrial Engineering, University of Houston, TX

2001-2015, Senior Management Analyst / Senior Grant Programs Specialist, Metropolitan Transit Authority of Harris County, Texas (METRO), Houston, TX

1995-2001, Industrial Engineer / System Implementation Specialist, United States Postal Service (USPS), Beaumont TX and Washington DC

AWARDS AND HONORS

- Recipient, University of Houston Industrial Engineering Department Distinguished Alumni Award, 2009
- Recipient, University of Houston Chemical Engineering Department Alumni Service Award, 2012
- Recipient, University of Houston Industrial Engineering Department Outstanding Alumni Award, 2016

PUBLICATIONS

1. "RUPPS A Rule Based Process Planning System," ISA Robex 1987 Proceedings, June 1987.
2. "Analysis Of Alternatives For The Management Of The Space Shuttle," American Society For Engineering Management Proceedings, October 1987 (with J. L. Hunsucker and S. A. Brah).
3. "Transition Management A Structured Perspective," IEEE Transactions On Engineering Management, Volume 35, Number 3, August 1988 (with J. L. Hunsucker and J. S. Law).
4. "The Use Of Expert Systems For O Ring Material Selection And Other Applications," Southern Management Association Proceedings, November 1987 (with W. J. Sitton).
5. "An Analysis of Transition Management From An Engineering Management Perspective," American Society For Engineering Management Proceedings, October 1988 (with J. L. Hunsucker).
6. "How Microcomputers And Electronic Spreadsheets Can Be Used To Educate Industrial Engineering Students," Computers And Industrial Engineering Conference Proceedings, March 1989.
7. "Development Of A Centralized Laboratory To Support Undergraduate Industrial Engineering Education," Proceedings Of The 1993 Annual Meeting Of The American Society For Engineering Education Gulf-Southwest Section (with L. J. H. Schulze and C. E. Donaghey).
8. "Rerouting Current Flows of Power Lines in the Houston Area To Reduce The Risk of EMF," Gulf Coast Hazardous Substance Research Center Annual Meeting, January 1995 (with T. Yang and I. Song).

ACADEMIC, PROFESSIONAL AND COMMUNITY SERVICES

- Former President, University of Houston Engineering Alumni Association (2008-2009)
- UH Industrial Engineering Department Undergraduate Program Advisor (2018-)
- Arrangements Co-Chair, INFORMS Annual Conference in Houston TX (2017)