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Academic Department: Engineering and Technology

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EDUCATION

PhD in Industrial Engineering
Stanford University. 1987

MSE in Industrial Engineering/Organization Control
Arizona State University. 1973

BS in Industrial Engineering
Texas Tech University. 1971

TEACHING EXPERIENCE

Aug 2024 – May 2025, Instructor, East Texas A&M University
Aug 2023 – May 2024, Visiting Instructor, Texas A&M Commerce
Jan 2023 – May 2023, Adjunct Instructor, Texas A&M Commerce
July 2008 – May 2013, Adjunct Instructor, University of South Florida
Aug 1994 – May 2008, Instructor, University of South Florida
Jan 1993 – June 1994, Visiting Associate Professor, University of South Florida
Aug 1987 – Dec 1992, Assistant Professor, Kansas State University

PUBLICATIONS

BOOK AUTHORED

Engineering Economics. Lead author for a course-related workbook coauthored by JoAnne Larsen and Robert J. Wimmert, 1994. Book designed and used to facilitate

online learning by providing a guideline for note-taking and studying; used for almost 20 years.

SELECTED ARTICLES AND PAPERS

“Rapid Monitoring for Pathogens in Potable Water.” Presented at the International Symposium on Biological Treatment of the American Water Works Association, Austin, TX, 2018

“Integrating Sustainable Development into ISE Curricula.” With Gregory Weisenborn and Curtis Bush. Proceedings of the Industrial and Systems Engineering Annual Conference and Expo, 2018.

“Meeting the UN Goal of Sustainability of Water Supplies.” Proceedings of the Industrial Engineering Research Conference, 2017.

“Reuse: Ultimate Water Supply Sustainability.” Proceedings of the Industrial Engineering Research Conference, 2017.

“Single-Step Processing for Direct Potable Reuse.” With Gerard Schouten and Antoine Engelaar. Proceedings of the Sustainable Water Management Conference, 2017.

“Revolutionary Microbial Testing for Pathogens in Ballast Water.” With Gijsbert Jansen and Gerard Schouten. Proceedings of the 6th GEF-UNDP-IMO GloBallast R&D Forum and Exhibition on Ballast Water Management, 2016.

“A New Model for Organizational Sustainability.” With Gary G. Bergmiller. Proceedings of the Industrial Engineering Research Conference, 2011.

“Achieving Total Sustainability by Cleaning Up the Dirty Dozen.” With Gary G. Bergmiller. Proceedings of the Industrial Engineering Research Conference, 2011.

“Parallel Models for Lean and Green Organizations.” With Gary G. Bergmiller. Proceedings of the Industrial Engineering Research Conference, 2009.

“Lean Manufacturers’ Transcendence to Green Manufacturing.” With Gary G. Bergmiller. Proceedings of the Industrial Engineering Research Conference, 2009.

“Are Lean and Green Programs Synergistic?” With Gary G. Bergmiller. Proceedings of the Industrial Engineering Research Conference, 2009.

“Techniques for Enhancing Sustainability of Industrial Operations.” With Gary G. Bergmiller. Proceedings of the Industrial Engineering Research Conference, 2009.

“A Zero Waste Management Strategy to Reduce the Cost of Alternative Energy.” With Gary G. Bergmiller. Proceedings of the IEEE Green Manufacturing Conference, 2009.

“Inventory Allocation Logic for Scarce Finished Goods.” With Gregory Weisenborn. Proceedings of the Industrial Engineering Research Conference, 1999.

“Literacy and Its Effects on Job Design.” With Anita L. Callahan. Industrial Management, March/April, 1995.

“Teaching Engineers to Consider Environmental Issues in Design.” With Gary Bergmiller. American Society for Engineering Education Annual Conference Proceedings, 1995.

“TQEM: The TQM Analogy.” Florida Environmental Expo, ‘95 Official Proceedings, 1995.

RESEARCH GRANTS AND AWARDS

July 1991 – June 1992, Principal Investigator, Kansas Solid Waste Disposal Status Review, Kansas Department of Health and Environment (KDHE), \$72,335.

July 1992 – June 1993, Investigator, Kansas Solid Waste Disposal Analysis and Final Report, Kansas Department of Health and Environment (KDHE), \$33,566.