**College of Engineering**

**Promotion and Tenure**

**2022 – 2023 Academic Year - Curriculum Vitae Format**

**Approved by COE P&T Committee on January 31, 2018**

**Section 0**

Candidate Name: **Neal A. Lewis**

Candidate Title: Professor of Practice

Unit Name: Master of Engineering Management

 Chemical & Biomolecular Engineering

Office Address: N/A

Email: nlewis4@unl.edu

Phone: (860) 552-9757

**Section 1 Education and Employment History**

**Section 1.1 Education History**

Ph.D. Engineering Management University of Missouri – Rolla May 2004

MBA Business Administration University of New Haven May 2000

B.S. Chemical Engineering University of Missouri – Rolla May 1974

# Section 1.2.1 Academic Employment History

 University of Nebraska – Lincoln

Professor of Practice, Master of Engineering Management (8/2023 – present); Assistant Professor of Practice, Master of Engineering Management (2020-2023)

 University of Bridgeport, Bridgeport, Connecticut

Associate Professor, Department of Technology Management, School of Engineering (**Tenured 2013**) (2007 – 2016).

 Marshall University, South Charleston, West Virginia

Associate Professor and coordinator, M.S. in Technology Management program, College of Information Technology and Engineering (2004 – 2007).

 **Part Time/Adjunct**

 University of Nebraska – Lincoln

Instructor, Master of Engineering Management (11/2019 – 8/2020)

 Oregon State University, Corvalis, Oregon

Instructor, School of Mechanical, Industrial, and Manufacturing Engineering, College of Engineering (2017 – 2020)

Fairfield University, Fairfield, Connecticut

Adjunct, Department of Information Systems and Operations Management, Dolan School of Business (2017 – 2020)

 University of New Haven, West Haven, Connecticut

Professional in Residence, Department of Mechanical and Industrial Engineering, Tagliatela College of Engineering (2016 – 2018).

 University of Missouri – Rolla, Rolla, Missouri

Lecturer, Engineering Management Department, School of Engineering (2001 – 2004).

##  University of New Haven, West Haven, Connecticut

Adjunct Lecturer, Management Department, School of Business (Winter 2001).

# Section 1.2.2 Engineering Industry Employment History

 Bayer Corporation, West Haven, Connecticut

* Plant Engineer, North American Pharmaceuticals Division (1995 – 2001). Responsible for engineering support of the pharmaceutical manufacturing and pharmaceutical development departments, including all maintenance and projects. Support work included facilities and process support, facilities and equipment maintenance, and process troubleshooting and improvement. Member of the Core Teams for two significant manufacturing facility expansions. Project manager for a number of manufacturing-related projects, and the Engineering member of several technology transfer teams. Engineering member in West Haven’s first European Union cGMP audit. Responsible for large equipment purchases, projects, and capital budgets. Supervised area plant engineers.

 The Procter & Gamble Company, multiple locations, 1974 - 1995

* Section Head, Product Supply Office, Skin Care, Cincinnati, Ohio (1992 – 1995). Responsible for the package engineering section supporting the Skin Care business, and Quality Assurance for a new manufacturing facility being designed and built. Until March 1994, was responsible for manufacturing/operations planning for Bain de Soleil sun care products. Achieved the first profit for Bain de Soleil since acquisition by significantly decreasing costs without sacrificing quality.
* Section Head, Product Supply Office, Respiratory Care, Shelton, Connecticut (1991 – 1992). Led the technical startups of NyQuil and DayQuil LiquiCaps. Headed the teams composed of R&D and Manufacturing to take the new concept from the laboratory to commercial manufacture. Also provided technical support to Vicks cough/cold brands. Moved to Cincinnati with the shutdown of the Richardson-Vicks headquarters.
* Manager, Duncan Hines Cookies, Jackson, Tennessee (1985 – 1990). Started as Technical Services Manager, and later managed the operation and brand. Key part of the team that took Duncan Hines Cookies from a significant financial loss to a respectable profit. After the restructuring in 1987, responsible for all quality and technical support functions when headquarters support was ended. Responsible for the total operation including Profit & Loss, 1989 – 90.
* Technology Manager, Folgers Coffee, Sherman Texas (1980 – 1985). Held a variety of assignments in instant coffee manufacturing from line management to process engineering and engineering management. Became the key process engineer and troubleshooter for the instant coffee plant, which made High Point and Folger's Instant Decaffeinated coffee. Part of the decaffeination process startup, including line management responsibility and all analytical chemistry support.
* Quality Control Manager, Folgers Coffee, Kansas City, Missouri (1978 – 1980). Managed the plant labs and was responsible for the quality of about 40% of the Folgers ground coffee sold in the U.S. at that time.

* Staff Engineer, Procter & Gamble, Cincinnati, Ohio (1974 – 1978). Assignments included basic research, process development, products research, and technical services. Two patents awarded.

**Section 2 Research Accomplishments**

**Section 2.1 Publication Record**

Section 2.1.1 Numbered list (in reverse chronological order) of Peer Reviewed Journal Publications in print, complete bibliographic citation including author names in order they appear on paper, full journal name, volume number, page numbers (or DOI in lieu of volume and page numbers), and % of your contribution.

1. Eschenbach, Ted G. and **Neal A. Lewis**, “Risk, Standard Deviation, and Expected Value: When Should an Individual Start Social Security?” *The Engineering Economist*, Vol. 64, No. 1, 2019, pp. 24-39, 50%.
2. **Lewis, Neal A.** “Book Review: Infrastructure Investment, An Engineering Perspective,” *The Engineering Economist*, Vol. 61, No. 2, 2016, pp. 156-159, 100%.
3. Nicholls, Gillian M., **Neal A. Lewis**, and Ted G. Eschenbach. “Determining When Simplified Agile Project Management is Right for Small Teams,” *Engineering Management Journal*, Vol. 27, No. 1, 2015, pp. 3-10, (editorially reviewed), 30%.
4. Nicholls, Gillian, **Neal Lewis**, Liang Zhang2, and Zhuoyuan Jiang2. “Breakeven Volatility for Real Option Valuation,” *Engineering Management Journal*, Vol. 26, No. 2, 2014, pp. 49-61, 50%.
5. Selig, Gad, Elif Kongar, **Neal Lewis**, Christian Bach, and Tarek Sobh. “The Proposed Ph.D. in Technology Management at the University of Bridgeport – A Case Study,” *International Journal of Information and Operations Management Education*, Vol. 5, No. 2, 2013, pp. 172-189, 30%.
6. Eschenbach, Ted G. and **Neal A. Lewis**. “Using When to Start Collecting Social Security as a Student Case Study,” *Advances in Financial Education*, Vol. 10, No. 1&2, 2012, pp. 120-136, 40%.
7. Rangarajan, Kiran3, Suzanna Long, Norbert Ziemer, and **Neal Lewis**. “An Evaluative Economic Development Typology for Sustainable Rural Economic Development.” *Community Development*, Vol. 43, No. 3, July 2012, pp. 320-332, 20%.
8. Eschenbach, Ted and **Neal Lewis**. “[Letter to the Editor: Proposition on Using Tabulated Factors](http://www.tandfonline.com/doi/abs/10.1080/0013791X.2011.624888?ai=1a8&ui=ooi6&af=H).” *The Engineering Economist*, Vol. 56, No. 4, October-December, 2011, pp. 281-282, 40%.
9. Eschenbach, Ted and **Neal Lewis**. “The Roles of Tabulated Factors, Financial Calculators, and Spreadsheets in Engineering Economy Teaching.” *The Engineering Economist*, Vol. 56, No. 4, October-December, 2011, pp. 283-294, 50%.
10. Eschenbach, Ted, **Neal Lewis**, and Joseph Hartman. “Waiting Cost Models for Real Options.” *The Engineering Economist*, Vol. 54, No. 1, January-March, 2009, pp. 1-21. One of five most cited articles, *The Engineering Economist*, 2009-2011, 45%.
11. **Lewis, Neal**, Ted Eschenbach, and Joseph Hartman. “Can We Capture the Value of Option Volatility?” *The Engineering Economist*, Vol. 53, No. 3, July-September 2008, pp. 230-258, 65%. Winner, Eugene Grant Award for best article, 2008.
12. Spurlock, David G.; Leroy R. Cox, **Neal A. Lewis**, and Gail A. Lueck. “A Content Analysis of Data Collection and Analysis Techniques as Reported in the Engineering Management Literature,” *Engineering Management Journal*, Vol. 20, No. 2, June 2008, pp. 46-55, 25%.
13. Eschenbach, Ted; **Neal Lewis**, Morgan Henrie, Elisha Baker IV, and Joseph Hartman. "Real Options and Real Engineering Projects." *Engineering Management Journal,* Vol. 19, No. 4, December 2007, pp. 11-19, 40%.
14. **Lewis, Neal**. “A Tracking Tool for Lean Solid Dose Manufacturing.” *Pharmaceutical Technology*, Vol. 30, No. 10, October 2006, pp. 94-108, 100%.
15. **Lewis, Neal**; David Enke, and David Spurlock. “The Staging Option and Drug Development.” *Pharmaceutical Engineering*, Vol. 25, No. 6, Nov./Dec. 2005, pp. 58-78, 85%.
16. **Lewis, Neal**; David Enke, and David Spurlock. “Valuation for the Strategic Management of Research and Development Projects: The Deferral Option.” *Engineering Management Journal*, Vol. 16, No. 4, December 2004, pp. 36-47, 80%. Winner, Ted Eschenbach Award for best article, 2004.

Section 2.1.2 Numbered list (in reverse chronological order) of Peer Reviewed Journal Publications accepted for publication with or without revision. Note that papers with “re-review required” or equivalent should not appear in this category. The citation should include complete bibliographic citation including author names in order they appear on paper, full journal name, date of submittal, date of acceptance, and % of your contribution. An acceptance letter written on official letterhead of the journal or of the appropriate journal letter must be included in Appendix A.

 N/A

Section 2.1.3 Numbered list (in reverse chronological order) of Peer Reviewed Journal Publications submitted for review but not yet accepted or accepted with “re-review required” or equivalent. Include the name of journal, author list, date submitted and % of your contribution.

 N/A

Section 2.1.4Numbered List (in reverse chronological order) of Books and Book Chapters, author list, publisher, year, and % of your contribution.

1. Newnan, Donald G., Ted G. Eschenbach, Jerome P. Lavelle, and **Neal A. Lewis**, *Engineering Economic Analysis, 14th edition*, Oxford University Press, 2020, 40%.
2. **Lewis, Neal A**., PowerPoint slides accompanying *Engineering Economic Analysis, 14th edition*, Oxford University Press, 2020, 100%.
3. Wheeler, Ed, **Neal A. Lewis**, and Ted G. Eschenbach. Study Guide accompanying *Engineering Economic Analysis, 14th edition*, Oxford University Press, 2019, 80%.
4. Newnan, Donald G., Ted G. Eschenbach, Jerome P. Lavelle, and **Neal A. Lewis**, *Engineering Economic Analysis, 13th edition*, Oxford University Press, 2017, 40%.
5. **Lewis, Neal A**., PowerPoint slides accompanying *Engineering Economic Analysis, 13th edition*, Oxford University Press, 2017, 100%.
6. **Lewis, Neal A.** "Chapter 10 Teamwork," and "Chapter 11 Project Management" in William C. Oakes and Les L. Leone, *Engineering Your Future, A Comprehensive Introduction to Engineering, 9th edition*, Oxford University Press, 2017, 100%.
7. **Lewis, Neal A.** "Chapter 7 Teamwork" in William C. Oakes and Les L. Leone, *Engineering Your Future, A Brief Introduction to Engineering, 6th edition*, Oxford University Press, 2017, 100%.
8. Eschenbach, Ted G. **Neal A. Lewis**, Joseph C. Hartman, and Lynn E. Bussey. *The Economic Analysis of Industrial Projects, 3rd edition*, Oxford University Press, 2015, 60%.
9. **Lewis, Neal A**., Barbara J. Miller2, and Ted G. Eschenbach. *Instructor’s Solutions Manual* forEschenbach, Ted G. Neal A. Lewis, Joseph C. Hartman, and Lynn E. Bussey, *The Economic Analysis of Industrial Projects, 3rd edition*, Oxford University Press, 2015, 80%.
10. **Lewis, Neal A**. and Ted G. Eschenbach. “Time Value of Money Calculations Using Spreadsheets and Calculators,” in Donald G. Newnan, Jerome P. Lavelle, and Ted G. Eschenbach, *Engineering Economic Analysis, 12th edition*, Oxford University Press, 2014, Appendix B, pp. 588-598. Reprinted in the International 12th edition, 2016, 13th edition, 2017, and 14th edition, 2020, 95%.
11. **Lewis, Neal A.** “A Prescription for Success,” Vignette for Chapter 3 in Donald G. Newnan, Ted G. Eschenbach, and Jerome P. Lavelle, *Engineering Economic Analysis, 11th edition*, Oxford University Press, 2012, pp. 72-73. Reprinted in the 12th edition, 2014, 13th edition, 2017, and 14th edition, 2020, 100%.
12. Eschenbach, Ted G. and **Neal A. Lewis**. “Time Value of Money (TVM) Calculators” in Donald G. Newnan, Ted G. Eschenbach, and Jerome P. Lavelle, *Engineering Economic Analysis, 11th edition*, Oxford University Press, 2012, pp. 586-593, 70%.
13. Eschenbach, Ted G. and **Neal A. Lewis**. “Time Value of Money (TVM) and Calculators” in Ted G. Eschenbach, *Engineering Economy, 3rd edition*, Oxford University Press, 2011, pp. 583-590, 50%.
14. **Lewis, Neal A.** *Project Valuation for the Strategic Management of R&D,* Lambert Academic Press, 2010. Published dissertation, 100%.
15. **Lewis, Neal A.** “Aunt Allee’s Jams and Jellies” case in William R. Peterson and Ted G. Eschenbach, *Cases in Engineering Economy*, Oxford University Press, 2009, pp. 218-222, 100%.

**Section 2.1.5** Numbered list (in reverse chronological order) of Conference Proceedings: Peer reviewed extended abstract or peer reviewed paper. Include full conference title, author names in order they appear on paper, dates of conference, location of conference, and page numbers (or number of pages).

1. **Neal A. Lewis** and Jena Asgarpoor, “CIP 2030: A Strategy for Engineering Management to be Reclassified as an Engineering Discipline,” 2023 International Conference, American Society for Engineering Education, Baltimore, June 2023. (8 pages)
2. **Lewis, Neal A.** and Ted G. Eschenbach, “Diversity and Equity as Part of Personal Decision-Making,” 2023 International Conference, American Society for Engineering Education, Minneapolis, June 2023. (9 pages)
3. Dixon, Gene, Angie Cornelius, Paul Kauffmann, and **Neal Lewis**, “Creatively Thinking About (ASEM) Structure and Business Development,” 2022 International Annual Conference, American Society for Engineering Management, Tampa, FL, October 2022. (9 pages)
4. **Lewis, Neal A.** and Ted G. Eschenbach, “Annuities as a Good Course Example,” 2022 International Conference, American Society for Engineering Education, Minneapolis, June 2022. Winner, Best Paper for Engineering Economy Division. (9 pages)
5. Jena Asgarpoor and **Lewis, Neal A**, “Reclaiming Engineering Management’s Position Among Engineering Disciplines,” 2022 International Conference, American Society for Engineering Education, Minneapolis, June 2022. Winner, Best Paper for Engineering Management Division. (10 pages)
6. **Lewis, Neal A.** and Ted G. Eschenbach, “Including Risk in a Case Study of When to Start Social Security Benefits,” 2021 International Conference, American Society for Engineering Education, online, July 2021. Winner, Best Paper for Engineering Economy Division. (10 pages)
7. Eschenbach, Ted, Jerome Lavelle, and **Neal Lewis**, “The Tax Cuts and Jobs Act and Teaching Engineering Economy”, 2019 International Conference, American Society for Engineering Education, Tampa, Florida, June 2019. (8 pages)
8. Nicholls, Gillian M, and **Neal A. Lewis**, "Using a Course Learning Management System to Promote Academic Honesty," 2017 National Conference, American Society for Engineering Education, Columbus, Ohio, June 2017. Winner, Best Paper award in the New Engineering Educators division. (15 pages)
9. Eschenbach, Ted G., Jerome P. Lavelle, and **Neal A. Lewis**, "Personal Finance Coverage in Engineering Economy Courses" 2017 National Conference, American Society for Engineering Education, Columbus, Ohio, June 2017. (9 pages)
10. Belitzky, Ellen3, **Neal Lewis**, and Erika Belitzky, "Experiential Learning and Engineering Management Effectiveness: A Leadership Class Case Study," 2016 National Conference, American Society for Engineering Education, New Orleans, Louisiana, June 2016. (10 pages)
11. Jagtiani, John (Lalit)3 and **Neal Lewis**, "Enhancing Software Engineering Curricula By Incorporating Open, Data-Driven Planning Methods," 2016 National Conference, American Society for Engineering Education, New Orleans, Louisiana, June 2016. (10 pages)
12. Eschenbach, Ted and **Neal Lewis**, "To What Extent Do Engineering Economy Textbooks Still Rely on the Factor Tables?" 2016 National Conference, American Society for Engineering Education, New Orleans, Louisiana, June 2016. (10 pages)
13. Nicholls, Gillian M, William J. Schell IV, and **Neal A. Lewis**, "Best Practices for Using Algorithmic Calculated Questions via a Course Learning Management System," 2016 National Conference, American Society for Engineering Education, New Orleans, Louisiana, June 2016. (21 pages)
14. **Lewis, Neal A**., and Ted G. Eschenbach, “Actionable Volatility, Real Option Values, and Recent Oil Price Changes,” 2015 National Conference, American Society for Engineering Management, Indianapolis, Indiana, October 2015. (6 pages)
15. Eschenbach, Ted G., **Neal A. Lewis**, Gillian M. Nicholls, and William J. Schell IV, "Using Agile Project Management to Maximize Your and Your Coauthors’ Productivity," 2015 National Conference, American Society for Engineering Education, Seattle, Washington, June 2015. (14 pages)
16. Eschenbach, Ted G., and **Neal A. Lewis**, "Teaching Students About the Value of Diversification – A Retirement Portfolio's Efficient Frontier," 2015 National Conference, American Society for Engineering Education, Seattle, Washington, June 2015. (15 pages)
17. **Lewis, Neal**, and Jani Pallis, “Interdisciplinary Course in New Product Commercialization,” 2014 National Conference, American Society for Engineering Management, Virginia Beach, Virginia, October 2014. (7 pages)
18. Rodrigues, Talisa M.2, Ted G. Eschenbach, and **Neal A. Lewis**, “The Couple’s Advantage: A Case Study of When to Start Collecting Social Security,” 2014 Financial Education Association Annual Conference, Academy of Business Education, Savannah, Georgia, September 2014. (14 pages)
19. Nicholls, Gillian, **Neal Lewis**, and Ted Eschenbach. “Teaching Time Value of Money: A Few Winning Strategies from the Front Lines,” 2014 National Conference, American Society for Engineering Education, Indianapolis, Indiana, June 2014. (13 pages)
20. **Lewis, Neal** and Ted Eschenbach. “Extending the Case Study of When to Collect Social Security: Economic Decision Making for Couples,” 2013 National Conference, American Society for Engineering Education, Atlanta, Georgia, June 2013. (12 pages)
21. Eschenbach, Ted, **Neal Lewis**, Gillian Nicholls, and Jani Pallis. “The Impact of Clickers on Your Classroom and Your Career,” 2013 National Conference, American Society for Engineering Education, Atlanta, Georgia, June 2013. (12 pages)
22. Oun, Tariq3, **Neal Lewis**, and Ted Eschenbach. “The Mean Reversion Tendency of Oil Prices,” 2012 National Conference, American Society for Engineering Management, Virginia Beach, VA, October 2012. (8 pages)
23. Nicholls, Gillian, **Neal Lewis**, and Liang Zhang2. “Breakeven Volatility for Real Option Valuation,” 2012 National Conference, American Society for Engineering Management, Virginia Beach, VA, October 2012. (10 pages)
24. **Lewis, Neal**, Gillian Nicholls, and Zhuoyuan Jiang2. “The Real Option Volatility Parameter,” 2012 National Conference, American Society for Engineering Management, Virginia Beach, VA, October 2012. (7 pages)
25. Eschenbach, Ted and **Neal Lewis**. “Using When to Start Collecting Social Security as a Student Case Study,” 2012 Financial Education Association Annual Conference, Academy of Business Education, Charleston, South Carolina, September 2012. Honorable Mention in conference best paper competition. (17 pages)
26. Eschenbach, Ted, **Neal Lewis**, and Yiran Zhang2. “When to Start Collecting Social Security: Designing a Case Study,” 2012 National Conference, American Society for Engineering Education, San Antonio, Texas, June 2012. Winner of the Engineering Economy Division Best Paper Award. Winner of the ASEE Professional Interest Council #1 Best Paper Award. (13 pages)
27. Pallis, Jani; **Neal Lewis**, Ravi Mishra2, Navarun Gupta, Arthur McAdams, and Richard Yelle. “Strategy for Student Inclusion within a University-Based Business Incubator,” 2012 ASEE Northeast Section Conference, Lowell, Massachusetts, April 2012. (7 pages)
28. **Lewis, Neal**, Gillian Nicholls, and Ted Eschenbach. “Synergy from Teaching with Clickers and Financial Calculators,” 2011 Financial Educators Conference, Academy of Business Education, Orlando, Florida, September 2011. (9 pages)
29. Nichols, Gillian, **Neal Lewis**, Paul Componation, and Ted Eschenbach. “Time to Transition: Financial Calculators and Clickers in the Classroom,” 2011 National Conference, American Society for Engineering Education, Vancouver, BC, June 2011. (9 pages)
30. **Lewis, Neal**, Ted Eschenbach, Lisong Fan, and Joseph Hartman. “EVPI and Real Option Valuation,” 2011 Industrial Engineering Research Conference, Reno, Nevada, May 2011. (8 pages)
31. **Lewis, Neal**, Ted Eschenbach, and Joseph Hartman. “Real Options: Divergent Views on Implementation,” 2010 National Conference, American Society for Engineering Management, Rogers, AR, October 2010. (6 pages)
32. Eschenbach, Ted, and **Neal Lewis**. “Updating the Engineering Economy and Engineering Management Lecture Hall”, 2010 National Conference, American Society for Engineering Management, Rogers, AR, October 2010. (6 pages)
33. **Lewis, Neal**, Ted Eschenbach, and Joseph Hartman. “Funding Decisions for Multi-Stage Projects,” 2010 National Conference, American Society for Engineering Education, Louisville, KY, June 2010. (10 pages)
34. Eschenbach, Ted, and **Neal Lewis**. “Calculators vs. Factor Tables and Reducing the Financial Arithmetic?” 2010 Industrial Engineering Research Conference, Cancun, Mexico, June 2010. (6 pages)
35. **Lewis, Neal**, Ted Eschenbach, and Joseph Hartman. “Real Options: Risk-free and Market Interest Rates”, 2009 National Conference, American Society for Engineering Management, Springfield, MO, October 2009. (7 pages)
36. **Lewis, Neal**, Ted Eschenbach, and Joseph Hartman. “Real Options and the Use of Discrete and Continuous Interest Rates”, 2009 National Conference, American Society for Engineering Education, Austin, TX, June 2009. (9 pages)
37. **Lewis, Neal**, Ted Eschenbach, and Joseph Hartman. “Where Real Options Might Really Work”, 2009 Zone 1 Conference, American Society for Engineering Education, Bridgeport, CT, April 2009. (8 pages)
38. **Lewis, Neal**, Ted Eschenbach, and Joseph Hartman. “Integrating Real Options with Decision Trees & Simulation: Uncertainty in the Graduate Engineering Economy Course,” 2008 National Conference, American Society for Engineering Management, West Point, NY, November 2008. (8 pages)
39. **Lewis, Neal**, and Ted Eschenbach. “Real Options in Engineering Economy Education,” 2008 National Conference, American Society for Engineering Education, Pittsburgh, PA, June 2008. (10 pages)
40. **Lewis, Neal**; Ted Eschenbach, and Joseph Hartman. “Waiting Costs for Real Engineering Projects Evaluated with Real Options,” 2008 Industrial Engineering Research Conference, Vancouver, BC, May 2008. (5 pages)
41. **Lewis, Neal**. “The Engineer as a Professor: Bringing Experience to the Engineering Classroom,” 2008 Zone 1 Conference, American Society for Engineering Education, West Point, NY, March 2008. (5 pages)
42. **Lewis, Neal**, Ted Eschenbach, and Joseph Hartman. "Sensitivity Analysis of a Real Options Problem." 2007 Industrial Engineering Research Conference, Institute of Industrial Engineers, Nashville, TN, May 2007. (6 pages)
43. **Lewis, Neal**, and Mohammed Ibrahim2. “Are Lean Manufacturing Efforts Reflected in Corporate Finances?” 2006 National Conference, American Society for Engineering Management. (7 pages)
44. **Lewis, Neal** and David Spurlock. “Volatility Estimation of Forecasted Project Returns for Real Options Analysis.” 2004 National Conference, American Society for Engineering Management. (10 pages)
45. **Lewis, Neal**3and David Spurlock. “Project Valuation for the Strategic Management of Research and Development: The Abandonment Option.” 2003 National Conference, American Society for Engineering Management. (10 pages)
46. **Lewis, Neal**3 and David Spurlock. “Research Methods in Engineering Management: Approaches to Studying Things Other Than People,” 2003 National Conference, American Society for Engineering Management. (5 pages)
47. **Lewis, Neal**3 and Amit Patil3. “A Financial Comparison of U.S. and European Pharmaceutical Companies”. 2003 National Conference, American Society for Engineering Management. Second Place award, best student paper contest. (5 pages)

Section 2.1.6 Numbered list (in reverse chronological order) of Conference Proceedings: Other than peer reviewed. Include full conference title, author names in order they appear on paper, dates of conference, location of conference, and page numbers (or number of pages).

 N/A

Section 2.1.7 Numbered list (in reverse chronological order) of Conference Presentations and/or Posters. Include full conference title, author names in order they appear on presentation/poster, whether this is a presentation or poster, dates of conference, and location of conference. Underline the name of the presenter.

Presentations

1. Eschenbach, Ted G. and **Neal A. Lewis**, “Should an Engineer Want to Pay FICA Withholding?” 2022 International Conference, American Society for Engineering Management, Tampa, FL, October 2022.
2. **Lewis, Neal A.** and Ted G. Eschenbach, “Initial Results from Applying Risk and Return to Simple Annuities,” 2021 International Conference, American Society for Engineering Management, Online, October 2021.
3. Eschenbach, Ted and **Neal Lewis**, “Retirement – Expert’s Advice vs. People’s Choices” 2020 International Conference, American Society for Engineering Management, Online, October 2020.
4. **Lewis, Neal A.** and Ted G. Eschenbach, “New Results on When to Begin Social Security,” 2019 International Conference, American Society for Engineering Management, Philadelphia, Pennsylvania, October 2019.
5. Eschenbach, Ted and **Neal Lewis**, “Investing for Retirement – Incorrect or Missing Guidelines” 2019 International Conference, American Society for Engineering Management, Philadelphia, Pennsylvania, October 2019.
6. Kauffmann, Paul; **Neal Lewis**, and David Wyrick, “Strategic Initiatives and Revenue Growth Plans – Future ASEM Directions,” 2018 International Conference, American Society for Engineering Management, Coeur d’Alene, Idaho, October 2018.
7. Eschenbach, Ted and **Neal Lewis**, “Covering Depreciation and Taxes in Engineering Economy Classes,” 2018 International Conference, American Society for Engineering Management, Coeur d’Alene, Idaho, October 2018.
8. Nicholls, Gillian and **Neal Lewis**, “Student Loans – A Case Study for Informed Educational Investment,” 2018 International Conference, American Society for Engineering Management, Coeur d’Alene, Idaho, October 2018.
9. **Lewis, Neal A**. and Ted G. Eschenbach, “Case Studies in Social Security Benefit Decisions,” 2017 International Conference, American Society for Engineering Management, Huntsville, AL, October 2017.
10. Eschenbach, Ted G., Jerome P. Lavelle, and **Neal A. Lewis**, “Including Personal Finance in Engineering Economy Courses,” 2017 International Conference, American Society for Engineering Management, Huntsville, AL, October 2017.
11. Eschenbach, Ted G. and **Neal A. Lewis**, "Factor/Spreadsheet Use and Engineering Economy Textbooks," 2016 International Conference, American Society for Engineering Management, Charlotte, NC, October 2016.
12. Eschenbach, Ted G. and **Neal A. Lewis**, “Project Portfolios and Financial Portfolio Theory,” 2015 International Conference, American Society for Engineering Management, Indianapolis, IN, October 2015.
13. **Lewis, Neal A**. and Ted G. Eschenbach, "Actionable Volatility in Real Options Valuation," 2015 Industrial and Systems Engineering Research Conference, Nashville, Tennessee, June 2015.
14. Eschenbach, Ted G. and **Neal A. Lewis**, "Exploring a Retirement Portfolio’s Efficient Frontier," 2015 Industrial and Systems Engineering Research Conference, Nashville, Tennessee, June 2015.
15. Nicholls, Gillian M., **Neal A. Lewis**, and Ted G. Eschenbach. “Simplified Agile Project Management is for Everyone,” 2014 International Conference, American Society for Engineering Management, Virginia Beach, VA, October 2014.
16. Eschenbach, Ted, **Neal Lewis**, and John Nofsinger, “Including XNPV and XIRR in Introductory Corporate Finance,” 2014 Financial Education Association Annual Conference, Academy of Business Education, Savannah, Georgia, September 2014.
17. Nicholls, Gillian, **Neal Lewis**, and Ted Eschenbach. “Agile Project Management for Academic Projects,” 2013 International Conference, American Society for Engineering Management, Minneapolis, MN, October 2013.
18. **Lewis, Neal** and Ted Eschenbach. “When to Collect Social Security: Couples Strategies as Case Studies,” 2013 Financial Education Association Annual Conference, Academy of Business Education, Bermuda, September 2013.
19. Nicholls, Gillian, **Neal Lewis**, and Eschenbach, Ted. “Applying Agile Project Management to the Tasks of a Professor,” 2013 Industrial and Systems Engineering Research Conference, San Juan, Puerto Rico, May 2013.
20. Eschenbach, Ted, Gillian Nicholls, and **Neal Lewis**. “Double Positive Roots with P, A, and F Cash Flows,” 2013 Industrial and Systems Engineering Research Conference, San Juan, Puerto Rico, May 2013.
21. **Lewis, Neal**, Gillian Nicholls, and Zhuoyuan Jiang. “Investigating the Real Option Volatility Parameter,” 2012 Industrial and Systems Engineering Research Conference, Orlando, Florida, May 2012.
22. Nicholls, Gillian, **Neal Lewis**, Liang Zhang, and Joseph Hartman. “Breakeven Volatility for Real Option Valuation,” 2012 Industrial and Systems Engineering Research Conference, Orlando, Florida, May 2012.
23. Weng, Mufu2, Ted Eschenbach, and **Neal Lewis**. “What’s the Right Inputs for the WACC?” 2012 Industrial and Systems Engineering Research Conference, Orlando, Florida, May 2012.
24. Eschenbach, Ted, Gillian Nicholls, and **Neal Lewis**. “Is PW Useful for the Lorie-Savage Oil Pump Problem?” 2012 Industrial and Systems Engineering Research Conference, Orlando, Florida, May 2012.
25. Eschenbach, Ted, **Neal Lewis**, Elisha Baker IV, and John Whittaker. “Textbook Multiple Rate of Return Examples: The Good, the Bad, and the Ugly,” 2011 Financial Educators Conference, Academy of Business Education, Orlando, Florida, September 2011.
26. Nichols, Gillian, **Neal Lewis**, Paul Componation, and Ted Eschenbach. “Synergy from Financial Calculators and Clickers in Engineering Economy,” 2011 Industrial Engineering Research Conference, Reno, Nevada, May 2011.
27. Nichols, Gillian, Paul Componation, **Neal Lewis**, and Alison Knight3. “Assessing the Effects of On-Line Homework Procedures and Students’ Performance,” 2011 Industrial Engineering Research Conference, Reno, Nevada, May 2011.
28. Eschenbach, Ted; **Neal Lewis**, and Joseph Hartman. “Real Options: State of the Art & Future Directions”, 2009 National Conference, American Society for Engineering Management, Springfield, MO, October 2009.
29. Eschenbach, Ted, **Neal Lewis**, and Joseph Hartman. “The Cost to Keep a Real Deferral Option Open”, 2009 Industrial Engineering Research Conference, Miami, FL, June 2009.
30. **Lewis, Neal**. “Internships as a Two-Way Business Deal: An Industrial Perspective,” 2008 National Conference, American Society for Engineering Management, West Point, NY, November 2008.
31. **Lewis, Neal**. “Use of Industrial ‘War Stories’ in the Technical Management Classroom.” 2007 National Conference, American Society for Engineering Management, Chattanooga, TN, October 2007.

 Posters

Giwa, Suliat2 and **Neal Lewis**, “Are Lean Manufacturing Efforts Reflected in Corporate Finances?, Northeast Section Conference, American Society for Engineering Education, Boston, MA, April 2011.

Section 2.1.8 Numbered list (in reverse chronological order) of Invited talks or Keynote Speeches. Indicate title of presentation, location, sponsor, and date.

1. **Lewis, Neal A**., “An Engineer’s Approach to Social Security Planning: When to Start Benefits,” Master of Engineering Management Seminar, University of Nebraska – Lincoln, May 2022.
2. **Lewis, Neal A.**, guest lecture to CONE 2060 class, one section, University of Nebraska – Lincoln (Kelli Herstein), April 1, 2021.
3. **Lewis, Neal A.**, guest lecture to CONE 2060 classes, two sections, University of Nebraska – Lincoln (Kelli Herstein), November 3-4, 2020.
4. **Lewis, Neal A**., “Quality in Consumer Products,” guest lecture to EIND 477 class, Montana State University (William Schell), March 3, 2017.
5. Jagtiani, Lalit John3; **Neal A. Lewis**, The Impact of Big Data on the Management of Business Software Technology Projects,” University of Bridgeport Faculty Research Day, March 2015, Poster.
6. **Lewis, Neal A**., Invited Panel member, “Engineering Economy Education in the 21st Century,” 2014 Industrial and Systems Engineering Research Conference, Montreal, Quebec, Canada, June 2014.
7. **Lewis, Neal A.**, Wenyang Fang2, “Mean Reversion of Natural Gas Prices,” University of Bridgeport Faculty Research Day, Feb. 2014, Poster.
8. **Lewis, Neal**, Ted Eschenbach, When to Start Collecting social Security: Designing a Case Study, University of Bridgeport Faculty Research Day, Feb. 2013, Poster.
9. **Lewis, Neal A.**, “Engineering Careers,” Engineering Colloquium, University of Bridgeport, October 25, 2012.
10. **Lewis, Neal A**., Tariq Oun2, “Mean Reversion of Oil Prices,” University of Bridgeport Faculty Research Day, Feb 2012, Poster.
11. **Lewis, Neal A**., Lisong Fan2, Liang Zhang2, “EVPI and Real Option Valuation,” University of Bridgeport Faculty Research Day, Feb. 2011, Poster.
12. **Lewis, Neal A**. Invited Panel member, “Career Panel for Graduate Students,” 2009 National Conference, American Society for Engineering Management, Springfield, MO, October 2009.
13. **Lewis, Neal,** “Real Options Analysis,” Presentation to the University of Bridgeport, School of Engineering Colloquium, October 4, 2007.
14. **Lewis, Neal**, “Troubleshooting in a Crisis Mode,” Presentation to Toyota Motor Manufacturing West Virginia, Specialists Technical Conference, Dec. 8, 2005.
15. **Lewis, Neal**. “Real Options Analysis: A New Tool for Improved Project Valuation,” Presentation to the Project Management Institute, West Virginia/Ohio Valley Chapter, November 11, 2005.
16. **Lewis, Neal**3, “Evaluating Intellectual Property for Strategic Management,” University of Missouri – Rolla Graduate Seminar, February 23, 2003.

Section 2.1.9 Numbered list (in reverse chronological order) of Other Publications

 N/A

**Section 2.2 Research Funding Record**

Section 2.2.1 Numbered list (in reverse chronological order) of Internally Funded Research Grants. Include the title of the project, funding agency, dates of project, PI and Co-PI’s, sponsor amount, UNL Cost share amount, total amount, amount attributable to you (as listed in NUGrant), SAP WBS Account Number.

*For each project provide a short, one paragraph description of the project*

*Please provide a summary table at the beginning of this section.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Title | Sponsor | Role | Dates | Total Amount | % Attributed to Candidate |
| Modeling Manufacturing Performance for Manufacturing Efficiency Improvement | University of Bridgeport Seed Grant Program  | PI | 2009 | $6,860 | 100 |

“Modeling Manufacturing Performance for Manufacturing Efficiency Improvement,” (2009).

 *Sponsor*: University of Bridgeport

 *PI*: N. Lewis (100%)

 *Sponsor Amount*: $6,860

 *SAP WBS Account #*: N/A

 Using Factory Physics to model manufacturing processes, identify areas of improvement to achieve lean status.

Section 2.2.2 Numbered list (in reverse chronological order) of Externally Funded Research Grants. Include the title of the project, funding agency, dates of project, PI and Co-PI’s, sponsor amount, UNL Cost share amount, total amount, amount attributable to you (as listed in NUGrant), SAP WBS Account Number.

*For each project provide a short, one paragraph description of the project.*

*Please provide a summary table at the beginning of this section.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Project Title  | Sponsor  | Role  | Dates  | Total Amount  | % Attributed to Candidate  |
| Development of the next phase of a high altitude robotic puppet | NASA – Connecticut Space Grant  | Co-PI | 2016 - 2019 | $199,738 | 50 |
| Engaging Young Explorers in Ballooning | NASA – Connecticut Space Grant | Co-PI | 2014 - 2016 | $6,000 | 50 |
| Interdisciplinary Course in New Product Commercialization | NCIIA | PI | 2013 - 2016 | $30,000 | 100 |
| New Product Commercialization with Interdisciplinary Student Teams | NCIIA | PI | 2012 | $8,000 | 100 |
| Develop a Center for Student Entrepreneurship and Innovation at the CTech IncUBator@University of Bridgeport | NCIIA | PI | 2011 | $8,000 | 100 |
| Information Technology Management Certification Program | State of West Virginia Office of Technology | Co-PI | 2006 - 2007 | $22,600 | 40 |
| Supporting E-Team formation in Solving the Economic and Environmental Issues of West Virginia | NCIIA | Co-PI | 2005-2007 | 24,000 | 40 |

1. “Development of the next phase of a high altitude robotic puppet,” (2016 - 2019).

 *Sponsor*: NASA, Connecticut Space Grant College Consortium

 *Co-PIs*: J. Pallis (50%); N. Lewis (50%)

 *Sponsor Amount*: $199,738

 *SAP WBS Account #*: N/A

 This grant was used for materials to build, program, and launch a robotic monkey, controlled from the ground, working with engineering and design students, in association with a local children’s science museum.

2. “Engaging Young Explorers in Ballooning,” (2014 - 2016)

 *Sponsor*: NASA, Connecticut Space Grant College Consortium

 *Co-PIs*: N. Lewis (50%); J. Pallis (50%)

 *Sponsor Amount*: $6,000

 *SAP WBS Account #*: N/A

 This grant was used for materials to prove the concept of building a robotic monkey, controlled from the ground, working with engineering and design students, in association with a local children’s science museum.

3. “Interdisciplinary Course in New Product Commercialization,” (2013 - 2016)

 *Sponsor*: National Collegiate Inventors and Innovators Alliance

 *PI*: N. Lewis (100%)

 *Sponsor Amount*: $30,000

 *SAP WBS Account #*: N/A

 This grant was used to fund student materials for an interdisciplinary entrepreneurship course for 3 years. Teams of students from engineering, business, and design created product concepts and built prototypes.

4. “New Product Commercialization with Interdisciplinary Student Teams,” (2012)

 *Sponsor*: National Collegiate Inventors and Innovators Alliance

 *PI*: N. Lewis (100%)

 *Sponsor Amount*: $8,000

 *SAP WBS Account #*: N/A

 This grant was used to create and gain approval for an interdisciplinary entrepreneurship course. A new course was created combining students from Schools of engineering, business, and design.

5. “Develop a Center for Student Entrepreneurship and Innovation at the CTech IncUBator@University of Bridgeport,” (2011)

 *Sponsor*: National Collegiate Inventors and Innovators Alliance

 *PI*: N. Lewis (80%); Co-PIs J. Pallis (15%), N. Gupta (5%)

 *Sponsor Amount*: $8,000

 *SAP WBS Account #*: N/A

 This grant was used to create a Center for Entrepreneurship at the new business incubator on campus. The funds created office space to begin extracurricular entrepreneurial activities on campus.

6. “Information Technology Management Certification Program,” (2006 - 2007)

 *Sponsor*: State of West Virginia Office of Technology

 Co-*PIs*: J. Biros (60%), N. Lewis (40%)

 *Sponsor Amount*: $22,600

 *SAP WBS Account #*: N/A

 This grant was used to create and deliver a series of short courses for employees at the state capitol of West Virginia in Charleston, W.V. Classes were held on weekends on the South Charleston campus of Marshall University.

7. “Supporting E-Team formation in Solving the Economic and Environmental Issues of West Virginia,” (2005 - 2007)

 *Sponsor*: National Collegiate Inventors and Innovators Alliance

 Co-*PIs*: P. Logan (40%), N. Lewis (40%), S. Simonton (20%)

 *Sponsor Amount*: $24,000

 *SAP WBS Account #*: N/A

 This grant was used to fund a project-based course across several engineering disciplines over 2 years. Students focused on solving pollution problems caused from the straight-piping of home sewage in rural West Virginia.

Section 2.2.3 Numbered list (in reverse chronological order) of External Research Grants that have been submitted through the University of Nebraska-Lincoln Office of Sponsored Programs. Include the title of the project, funding agency, dates of project, PI and Co-PI’s, sponsor amount, UNL Cost share amount, total amount, amount attributable to you, and date of submission.

 N/A

Section 2.2.4 Numbered list (in reverse chronological order) of External Research Grants that have been submitted through other institutions. Include the title of the project, where the proposal was submitted (*e.g.*, university x, consulting company y), funding agency, dates of project, PI and Co-PI’s, sponsor amount, UNL Cost share amount, total amount, amount attributable to you, and date of submission.

 N/A

Section 2.2.5 Numbered list (in reverse chronological order) of External Research Grants Submitted through the University of Nebraska Lincoln Office of Sponsored Programs but not Funded. Include the title of the project, funding agency, dates of project, PI and Co-PI’s, sponsor amount, UNL Cost share amount, total amount, amount attributable to you, and date of submission.

 N/A

Section 2.2.6 Numbered list (in reverse chronological order) of External Research Grants Submitted through other entities but not Funded. Include the title of the project, where the proposal was submitted (*e.g.*, university x, consulting company y), funding agency, dates of project, PI and Co-PI’s, sponsor amount, UNL Cost share amount, total amount, amount attributable to you, and date of submission.

1. “Collaborative Research: Risk and Expected Return, When to Begin Social Security Benefits for Couples,” University of Bridgeport, National Science Foundation, Dates of Project: 1/2015 – 6/2017, Co-PI: N. Lewis (50%), Co-PI: T. Eschenbach. Sponsor Amount: $159,716, UNL Cost Share: N/A, Total Amount: $159,716. Amount attributable to you: $100,000, Date of submission: 8/2014.
2. “Collaborative Research: Personalizing Engineering Education with Online Learning Materials Extending Student Performance Modeling for Real time Assessment,” Where: University of Bridgeport, National Science Foundation, Dates of Project: 2012 – 2015, PI: G. Nichols, Univ. of Alabama – Huntsville, Co-PI: P. Componation, University of Alabama - Huntsville, Co-PI: N. Lewis (20%). Sponsor Amount: $250,000, UNL Cost Share: N/A, Total Amount: $250,000. Amount attributable to you: $50,000, Date of submission: July 2011.
3. “Develop a High Efficiency Piston Engine Using a Variable Angle Combustion Chamber,” University of Bridgeport, National Science Foundation, Dates of Project: 1/2012 – 7/2012, PI: N. Lewis (30%), Co-PI Z. Li. SBIR with 21st Century Motor Works. Sponsor Amount: $141,131, UNL Cost Share: N/A, Total Amount: $141,131. Amount attributable to you: $41,275, Date of submission: June 2011.
4. “Collaborative Research: Multi-Stage Analysis for Sustainable Infrastructure Projects,” University of Bridgeport, National Science Foundation, Dates of Project: 9/2011 – 9/2014, PI: Neal Lewis (40%), Co-PI Ruwen Qin, University of Missouri - Rolla, Suzanna Long, University of Missouri – Rolla. Sponsor Amount: $150,000, UNL Cost Share: N/A, Total Amount: $150,000. Amount attributable to you: $60,000, Date of submission: Feb 2011.
5. “JP-8 Hydraulic Power System for Legged Robot,” University of Bridgeport, Funding Agency: U.S. Army Research, Development, and Engineering Command, Dates of Project: 2010 – 2011, PI: N. Lewis (100%). SBIR with 21st Century Motor Works. Sponsor Amount: $70,000, UNL Cost Share: N/A, Total Amount: $70,000. Amount attributable to you: $70,000, Date of submission: June 2010.
6. “Alternative Energy and High Efficiency Water Purification System for the U.S. Navy,” University of Bridgeport, Funding Agency: Department of Defense: U.S. Navy, Dates of Project: 8/2010 – 2/2011, PI: N. Lewis (100%). SBIR with 21st Century Motor Works. Sponsor Amount: $70,000, UNL Cost Share: N/A, Total Amount: $70,000. Amount attributable to you: $70,000, Date of submission: Jan. 2010.
7. “Collaborative Research: The Value of Multi-Stage Options Analysis,” University of Bridgeport, Funding Agency: National Science Foundation, Dates of Project: 5/2010 – 5/2013, PI: N. Lewis (70%), Co-PI: J. Hartman (30%), University of Florida. Sponsor Amount: $168,617, UNL Cost Share: N/A, Total Amount: $168,617. Amount attributable to you: $168,617, Date of submission: August 2009.
8. “Technical and Economic Assessment of Concrete Bridge Repair and Retrofit with FRP Composites,” Marshall University, South Charleston, WV, Funding Agency: West Virginia Department of Highways, Dates of Project: 2006 – 2008, PI: J. Davalos, Co-PI: N. Lewis (35%). Sponsor Amount $266,800, UNL Cost Share N/A, Total Amount $266,800. Amount attributable to you: $80,000, Date of submission: April 2006

**Section 2.3 Other (Non-Research) Funding Record**

*This section describes funding that does not directly apply to scholarly research, such as equipment used for teaching, travel grants, etc.*

Section 2.3.1 Numbered list (in reverse chronological order) of Internally Funded Non-Research Grants. Include the title of the project, funding agency, dates of project, PI and Co-PI’s, sponsor amount, UNL Cost share amount, total amount, amount attributable to you (as listed in NUGrant), SAP WBS Account Number.

*For each project provide a short, one paragraph description of the project.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Project Title* | *Sponsor* | *Role (PI or Co-PI)* | *Dates* | *Total Amount**(do not include UNL cost share)* | *% Attributed to Candidate* *(do not include UNL cost share)* |
| Travel grant | Marshall U | PI | 10/2004 | $450 | 100 |

Quinlan Travel Grant, Marshall University, October 2004, to attend ASEM 2004 conference. $450.

Section 2.3.2 Numbered list (in reverse chronological order) of Externally Funded Non-Research Grants. Include the title of the project, funding agency, dates of project, PI and Co-PI’s, sponsor amount, UNL Cost share amount, total amount, amount attributable to the candidate, SAP WBS Account Number.

 N/A

Section 2.3.3 Numbered list (in reverse chronological order) of External Non-Research Grants that have been submitted through the University of Nebraska-Lincoln Office of Sponsored Programs. Include the title of the project, funding agency, dates of project, PI and Co-PI’s, sponsor amount, UNL Cost share amount, total amount, amount attributable to you, and date of submission.

 N/A

Section 2.3.4 Numbered list (in reverse chronological order) of External Non-Research Grants that have been submitted through other institutions. Include the title of the project, where the proposal was submitted (e.g. university x, consulting company y), funding agency, dates of project, PI and Co-PI’s, sponsor amount, UNL Cost share amount, total amount, amount attributable to you, and date of submission.

 N/A

Section 2.3.5 Numbered list (in reverse chronological order) of External Non-Research Grants Submitted through the University of Nebraska Lincoln Office of Sponsored Programs but not Funded. Include the title of the project, funding agency, dates of project, PI and Co-PI’s, sponsor amount, UNL Cost share amount, total amount, amount attributable to you, and date of submission.

 N/A

Section 2.3.6 Numbered list (in reverse chronological order) of External Non-Research Grants Submitted through other entities but not Funded. Include the title of the project, where the proposal was submitted (e.g. university x, consulting company y), funding agency, dates of project, PI and Co-PI’s, sponsor amount, UNL Cost share amount, total amount, amount attributable to you, and date of submission.

 N/A

**Section 2.4 Research Patents and Awards**

Section 2.4.1 Numbered list of Patents, including title, list of all inventors, date of publication and patent number

1. Robusta Coffee, Neal A. Lewis, Nov. 18, 1980, #4,234,613
2. Treatment of Robusta Coffee, Neal A. Lewis, Oct. 7, 1980, #4,226,891

Section 2.4.2 Numbered list of all National and International Research Awards and Recognition

 N/A

Section 2.4.3 Numbered list of all Regional and Local Research Awards and Recognition

 N/A

**Section 2.5 Other Research Accomplishments**

Section 2.5.1 Research Statistics

Source: Google Scholar, 8/15/2023

|  |  |  |
| --- | --- | --- |
|  | All | Since 2018 |
| Citations | 1439 | 454 |
| *h*-index | 11 | 7 |
| *i*10-index | 15 | 4 |

Section 2.5.2 Best Journal Article Awards

1. Eugene L. Grant Award for best article in *The Engineering Economist*, 2009

“Can We Capture the Value of Option Volatility?”

1. Ted Eschenbach *Engineering Management Journal* Best Article Award, 2005

“Valuation for the Strategic Management of Research and Development Projects: The Deferral Option”

Section 2.5.3 Best Conference Paper Awards

1. ASEE Engineering Economy Division Best Paper Award, ASEE 2022 National Conference.
2. ASEE Engineering Management Division Best Paper Award, ASEE 2022 National Conference.
3. ASEE Engineering Economy Division Best Paper Award, ASEE 2021 National Conference.
4. ASEE New Engineering Educators Division Best Paper Award, ASEE 2017 National Conference.
5. ASEE Professional Interest Council #1 Best Paper Award, (14 divisions) ASEE 2012 National Conference.
6. ASEE Engineering Economy Division Best Paper Award, ASEE 2012 National Conference.
7. Honorable Mention, 2012 Financial Education Association Annual Conference

Section 2.5.4 Other Publication Recognition

1. “Determining When Simplified Agile Project Management is Right for Small Teams,” recognized as one of top five most cited articles and 2nd highest Altmetric score in *Engineering Management Journal* for 2018 by publisher Taylor and Francis
2. “Can We Capture the Value of Option Volatility” recognized as the most downloaded article in *The Engineering Economist* for 2011 by publisher Taylor and Francis
3. “Waiting Cost Models for Real Options” recognized as one of five most cited articles in *The Engineering Economist*, 2009-2011 by publisher Taylor and Francis

**Section 3 Teaching Accomplishments (other than classroom instruction)**

*For Sections 3.1 through 3.6, only provide information for which the home university (e.g. UNL, other) officially recognizes your role.*

**Section 3.1 Postdoctoral Researchers**

Section 3.1.1 Numbered list (in reverse chronological order) of Postdoctoral researchers supervised. Include designated co-supervisors (if any), affiliation (e.g. UNL or other institution), % funding that you provided to the researchers, and the start and end dates of their appointments. Information on their current employment is also encouraged.

 N/A

Section 3.1.2 Numbered list (in reverse chronological order) of Postdoctoral researchers currently in progress under your supervision. Include designated co-supervisors (if any), affiliation (e.g. UNL or other institution), % funding that you provide to the researchers, and the start and expected end dates of their appointments.

 N/A

**Section 3.2 PhD Students**

Section 3.2.1 Numbered list (in reverse chronological order) of PhD students whom you have supervised as chair or co-chair of their doctoral committees. Include designated co-supervisors (if any), affiliation (e.g. UNL or other institution), dissertation title, % funding that you provided to the student, and graduation date. Information on their current employment is also encouraged.

Lalit (John) Jagtiani, University of Bridgeport, “Leveraging big data from open sources to improve software project management.” June 2018.

John Jagtiani was the first Ph.D. student from the University of Bridgeport’s new Ph.D. in Technology Management to form a committee. I was the first Ph.D. Chair in the program.

Section 3.2.2 Numbered list (in reverse chronological order) of PhD students currently in progress whom you are supervising as chair or co-chair of their doctoral committees. Include designated co-supervisors (if any), affiliation (e.g. UNL or other institution), % funding that you provide to the student, and expected graduation date.

 N/A

**Section 3.3 MS Students**

Section 3.3.1 Numbered list (in reverse chronological order) of MS students (thesis option) whom you have supervised as chair or co-chair of their thesis committees. Include designated co-supervisors (if any), affiliation (e.g. UNL or other institution), thesis title, % funding that you provided to the student, and graduation date. Information on their current employment is also encouraged.

1. Talisa M. Rodrigues, University of Alaska Anchorage. I served as co-chair; chair was Ted Eschenbach. “The Couple’s Advantage: A Case Study of When to Start Collecting Social Security”, May 2014.
2. George Avidon, University of Bridgeport. Chair. “Implementing Disruptive Technology”, May 2011.

The University of Bridgeport offered a thesis option, but this was rarely taken. A project was an option, taken occasionally.

Marshall University did not offer a thesis option. A project was required.

Section 3.3.2 Numbered list (in reverse chronological order) of MS students (thesis option) currently in progress whom you are supervising as chair or co-chair of their thesis committees. Include designated co-supervisors (if any), affiliation (e.g. UNL or other institution), % funding that you provide to the student, and expected graduation date.

 The MEM program at UNL does not offer a thesis option.

Section 3.3.3 Total number of non thesis option graduate students advised

 Marshall University: approximately 80 over 3 years

 University of Bridgeport: approximately 400 over 9 years

Section 3.3.4 Total number of graduate student independent research projects supervised

 Marshall University: 31 (2004 – 2007)

 University of Bridgeport: 14 (2007 – 2016)

**Section 3.4 Undergraduate Students**

Section 3.4.1 Numbered list (in reverse chronological order) of undergraduate students supervised in independent research study. Include full name, year, semester and credit hours.

 N/A

Section 3.4.2 Average number of undergraduate students advised per year

 N/A

**Section 3.5 Visiting Scholars and Students**

Section 3.5.1 Numbered list (in reverse chronological order) of visiting scholars and students whom you have supervised during their official visit to UNL. Include the scholar/student’s name, title (e.g. visiting PhD student, visiting professor), home affiliation, and dates of visit to UNL.

 N/A

**Section 3.6 Graduate Student Committee Membership**

Section 3.6.1 Numbered list (in reverse chronological order) of UNL PhD students for whom you have served as a doctoral committee member. Include graduation date.

 N/A

Section 3.6.2 Numbered list (in reverse chronological order) of UNL Masters thesis-option students for whom you have served as a masters committee member. Include graduation date.

 University of Bridgeport: not recorded. Approximately 5-10

Section 3.6.3 Numbered list (in reverse chronological order) of other PhD students at other universities for whom you have served as an external PhD reviewer. Include the student’s home university and graduation date.

 N/A

Section 3.6.4 Numbered list (in reverse chronological order) of other students at other universities for whom you have served as a graduate committee member. Include the student’s home university and graduation date.

1. Craig Kensel, Oregon State University, August 2019.
2. University of Bridgeport, not recorded, approximately 10, 2007 – 2016.
3. Talisa Rodrigues, University of Alaska Anchorage, May 2014.
4. Marshall University, not recorded, approximately 10, 2004 – 2007.

**Section 3.7 Teaching Awards and Recognition**

Section 3.7.1 Numbered list of International and National Teaching Awards and Recognition

 N/A

Section 3.7.2 Numbered list of Regional, Local and University Teaching Awards and Recognition

1. University of Nebraska College of Engineering, Henry Y. Kleinkauf Family Distinguished New Faculty Teaching Award, 2022.
2. Outstanding Teaching Commendation Award, University of Missouri – Rolla, 2005.

**Section 3.8 Other Teaching Accomplishments**

Section 3.8.1 New Course Development

 University of Nebraska – Lincoln

1. EMGT 803, Management of Engineering and Technology

* Created new course for the UNL MEM program
* Approved Fall 2020, first offered Fall 2021 (also Spring 2022)
1. EMGT 822, Production and Operations Management
* Created new course for the UNL MEM program
* Approved Fall 2020; first offered Fall 2020 as EMGT 891 (also Fall 2021, Fall 2022)

3. EMGT 809, Engineering Economy for Decision Making

* Created new course for the UNL MEM program
* Approved Spring 2020, first offered Summer 2020 (also Sp21, F21, Sp22)

 University of Bridgeport

1. TCMG 525DL, Finance & Accounting for Engineers, Spring 2016

* Online version of TCMG 525

2. TCMG 620, Strategic Management of Technology and Innovation, Spring 2015

3. MGMT 523DL, Leadership, Teams & Managing Change, Fall 2015

* Online version of MGMT/TCMG 523

4. TMPD 702, Explorations in Research Methodologies, Fall 2014

* PhD core course
1. TCMG 580/ELEG 580/MEEG 580/IDDSN 480/DSNMG 580,

New Product Commercialization, Spring 2013

* Interdisciplinary course: Engineering, Business, Design in one class
* Approved and supported in 3 Schools simultaneously
1. TCMG 495, Contemporary Issues in Communications & Quantitative Methods, Fall 2009
2. TCMG 530, Foundations of Manufacturing Management, Fall 2008
3. TCMG 499, Introduction to Graduate Studies, Fall 2008
4. TCMG 546, Engineering Economics, Spring 2008

Section 3.8.2 Course Revisions (re-written courses using existing course descriptions)

 University of Nebraska - Lincoln

1. EMGT 806, Decision and Risk Analysis Spring 2021
2. EMGT 807, Project Management Spring 2021
3. EMGT 905, Strategic Management and Planning Fall 2020

 University of Bridgeport

1. ENGR 300, Economics and Management of Engineering Projects Spring 2009
2. TCMG 484, Finance & Accounting for Managers Spring 2008
* Renumbered as TCMG 525, Fall 2011
* Name later changed to Finance & Accounting for Engineers

**Section 4 Service Accomplishments**

**Section 4.1 Professional Service**

Section 4.1.1 Numbered list (in reverse chronological order) of Journal Editorships or Associate Editorships including dates of service

Area Editor, *The Engineering Economist*, 2013 – 2018

Section 4.1.2 Numbered list (in reverse chronological order) of Journals for which you have reviewed papers including number completed for that journal each year (e.g. 5 reviews in 2017).

1. The Engineering Economist, 41 reviews total, 2008 – present (according to website). Most recent review: July 2020.
2. Engineering Management Journal, 16 reviews total, 2014 – present (according to website). Most recent review: March 2023.
3. Journal of Pharmaceutical Innovation, 1 review, 2007

Section 4.1.3 Numbered list (in reverse chronological order) of Leadership Positions in International and National Organizations

1. Associate Executive Director, Executive Committee member, American Society for Engineering Management (ASEM), 2020 – present
2. Secretary/Treasurer, Epsilon Mu Eta, National Honor Society for Engineering Management, 2020 – present
3. Director, Engineering Management Division, American Society for Engineering Education (ASEE), 2014 – 2017, 2021 – present
4. Treasurer, Executive Committee member, and Board of Directors member, American Society for Engineering Management, 2016 – 2019
5. Northeast Regional Director, Board of Directors member, American Society for Engineering Management, 2015 – 2016
6. Chair, Engineering Economy Division, ASEE, 2013 – 2014
7. Program Chair, Engineering Economy Division, ASEE, 2012 – 2013
8. Chair, Engineering Management Division, ASEE, 2011 – 2012
9. Treasurer, Engineering Economy Division, ASEE, 2011 – 2012
10. Program Chair, Engineering Management Division, ASEE, 2010 – 2011
11. Secretary, Engineering Economy Division, ASEE, 2010 – 2011
12. Treasurer, Engineering Management Division, ASEE, 2009 – 2010
13. Secretary, Engineering Management Division, ASEE, 2008 – 2009

Section 4.1.4 Numbered list (in reverse chronological order) of Leadership Positions in Regional and Local Organizations

1. Secretary, Charleston WV Section, AIChE, 2006-2007
2. Treasurer, Charleston WV Section, AIChE, 2005-2006
3. Webmaster, Charleston WV Section, AIChE, 2004-2005

Section 4.1.5 Numbered list (in reverse chronological order) memberships in Professional Organizations

1. American Society for Engineering Management, 2007 – present
2. American Society for Engineering Education, 2007 – present
3. Epsilon Mu Eta, 2020 - present
4. Institute of Industrial and Systems Engineers, 2013 - 2017
5. International Society for Pharmaceutical Engineering, 1995 – 2002
6. American Institute of Chemical Engineers, 1974 - 2007

Section 4.1.6 Numbered list (in reverse chronological order) of National and International Service Awards

1. ASEM Frank Woodbury Special Service Award, October 2021
2. ASEM World Headquarters Service Award, October 2019
3. ASEM World Headquarters Service Award, October 2018
4. ASEE Engineering Management Division Merl Baker Award, June 2013

Section 4.1.7 Numbered list (in reverse chronological order) of Regional and Local Service Awards

 N/A

Section 4.1.8 Numbered list (in reverse chronological order) of Research Review panels and dates of service

 N/A

**Section 4.2 University Service**

Section 4.2.1 Numbered list of leadership positions on university wide committees. Include committee name, dates, and title.

1. Co-founder and core team member, The Innovators business networking series, University of Bridgeport, 2012 – 2016

Section 4.2.2 Numbered list of membership positions on university wide committees. Include committee name, dates, and title.

1. Fairfield Startup (Fairfield University), 2016 – 2017
2. Graduate Council, University of Bridgeport, 2008 – 2011
3. Calendar committee, Marshall University, 2004 - 2007

**Section 4.3 College Service**

Section 4.3.1 Numbered List of leadership positions on college wide committees. Include committee name, dates, and title.

1. University of Bridgeport School of Engineering Curriculum Committee, 2008 – 2016, Chair 2008 – 2012, 2015 – 2016
2. Site Chair, IEEE Computer Society, CT, Spring Colloquium, April 2009.

Section 4.3.2 Numbered list of membership positions on college wide committees. Include committee name, dates, and title.

 University of Bridgeport

1. School of Engineering Personnel Committee, 2014 – 2015
2. Industry Advisory Board (Engineering), 2011 – 2016
3. Planning Committee, M.S. in Biomedical Engineering, 2009
4. School of Engineering Building Committee, 2009

**Section 4.4 Unit Service**

Section 4.4.1 Numbered list of leadership positions on unit committees. Include committee name, dates, and title.

University of Nebraska

Chapter Advisor, Epsilon Mu Eta honor society in engineering management.

University of Bridgeport

Faculty Search Committee, Technology Management Dept., Chair 2014 – 2016

Marshall University

Faculty Search Committee, Safety Engineering, Marshall University, Chair, 2005 - 2006

Section 4.4.2 Numbered list of membership positions on unit committees. Include committee name, dates, and title.

1. Planning Committee, Ph.D. in Technology Management, 2012 - 2014
2. Planning Committee, IAMOT accreditation committee, 2009 - 2010

**Section 4.5 Other Service Accomplishments**

* Represented the University of Bridgeport at the BMI Brazil Higher Education Workshop in Sao Paulo, Brazil, October 2013.
* *The Engineering Economist* Grant Award Review Committee, 2011 – 2018.

**Section 5 Other Accomplishments**

**Section 5.1 Professional Development (add additional sections below as desired)**

1. EVC New Faculty Development Program, completed February 2021.
2. UNL Summer Institute for Online Training (SIOT), May 2020
3. Fellow, American Society for Engineering Management, October 2016 – present
4. Certified as a Professional Engineering Manager (CPEM) by the American Society for Engineering Management, 2014 – present (Recertified in 2017, 2020)

**Section 5.2 Courses taught** (see next page)

