**Neal A. Lewis, Ph.D., CPEM**

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**Education**

University of Missouri – Rolla, Ph.D. in Engineering Management, 2004

University of New Haven, Master of Business Administration, 2000

University of Missouri – Rolla, B.S. in Chemical Engineering, 1974

# Teaching experience

***University of Nebraska – Lincoln, 2019 – present***

Assistant Professor of Practice in the Master of Engineering Management program, College of Engineering. Developing and teaching online courses, including Engineering Economics, Strategic Management, Production & Operations Management, and others.

***Oregon State University, 2017 - 2020***

Instructor (part time), School of Mechanical, Industrial, and Manufacturing Engineering. Teaching online classes in Advanced Engineering Economics, Introduction to Management for Engineers and Scientists, Statistical Concepts for Engineering Managers, and New Product Development. Member of the graduate faculty.

***Fairfield University, 2017 - 2020***

Adjunct, Department of Information Systems and Operations Management, Dolan School of Business. Teaching Operations Management (undergraduate and graduate). One online course.

***University of New Haven, 2016 - 2018***

Adjunct, Dept. of Mechanical and Industrial Engineering, Tagliatela College of Engineering. Teaching Decision Making under Uncertainty, Applied Statistics, Engineering Economics, and Quality Analysis in the Engineering & Operations Management MS program. Multiple locations.

***University of Bridgeport, 2007 – 2016***

Associate Professor, Department of Technology Management, School of Engineering. Classes include Strategic Management of Technology; Research Methodologies; Engineering Economics; Finance and Accounting for Managers; New Product Commercialization; Leadership, Teams, and Managing Change; Manufacturing Management; Product Management; Economics and Management of Engineering Projects. Classes have been taught in the Computer Engineering and Mechanical Engineering departments, School of Business, and School of Design in addition to the home department. Some online courses. Chair of Curriculum Committee for the School of Engineering (5 years) and engineering representative on the university’s Graduate Council for 2 years. Chair of Faculty Search Committee (2014 – 2015), member of the School Personnel Committee, member of School of Engineering Industry Advisory Board. Very positive teaching reviews. Tenured May 2013.

***Marshall University, 2004 – 2007***

Associate Professor and coordinator, M.S. in Technology Management program, College of Information Technology and Engineering. Classes include Strategic Management of Technology, Quality Management, Project Management, Lean Manufacturing, Operations Management, Operations Research, and Financial and Economic Analysis. The program conducted classes in Huntington and South Charleston, West Virginia and most classes were video linked between the two locations. Classes were also held at regional businesses and other campuses. Very positive teaching reviews.

## University of Missouri – Rolla, 2001 – 2004

Lecturer, Engineering Management Department. I taught local and distance students while pursuing a Ph.D. Classes included Project Management and Management for Engineers. Local classes were broadcast (synchronous distance classes). Teaching evaluations were consistently well above the campus average. An Outstanding Teaching Award was received.

## University of New Haven, Winter 2001

Adjunct Lecturer, Management Department, School of Business. Total Quality Management, with traditional and non-traditional students. Very positive teaching reviews.

# Industry experience

***1995*** – ***2001: Bayer Corporation***

10/95 – 7/01: Plant Engineer, West Haven, CT. Responsible for engineering support of the pharmaceutical manufacturing and pharmaceutical development facilities, 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.

***1974*** – ***1995: The Procter & Gamble Company***

8/92 – 10/95: Section Head, Product Supply Office, Skin Care, Cincinnati, Ohio. 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.

1/91 – 7/92. Section Head, Product Supply Office, Respiratory Care, Shelton, CT. 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.

4/85 – 12/90. Manager, Duncan Hines Cookies, Jackson, TN. Started as Technical Services Manager, and later managed the operation. 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 P&L, 1989 – 90.

5/80 – 3/85. Technology Manager, Folgers Coffee, Sherman TX. 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.

8/78 – 4/80. Quality Control Manager, Folgers Coffee, Kansas City, MO. 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.

5/74 – 7/78. Staff Engineer, Procter & Gamble, Cincinnati, Ohio. Assignments included basic research, process development, products research, and technical services.

**Grants**

NASA, 2016. J. Pallis and N. Lewis (via CT Space Grant College Consortium). "Development of the next phase of a high altitude robotic puppet," $199,738.

CT Space Grant College Consortium, 2014. N. Lewis, J. Pallis, S. Patel. “Engaging Young Explorers in Ballooning,” Faculty Seed Research Grant, $6,000.

National Collegiate Inventors and Innovators Alliance, 2013. N. Lewis, G. Selig, A. McAdams, A. White. “Interdisciplinary Course in New Product Commercialization,” $30,000.

National Collegiate Inventors and Innovators Alliance, 2012. N. Lewis, J. Pallis, N. Gupta, A. McAdams, R. Yelle. “New Product Commercialization with Interdisciplinary Student Teams,” $8,000.

National Collegiate Inventors and Innovators Alliance, 2011. N. Lewis, J. Pallis, N. Gupta. “Develop a Center for Student Entrepreneurship and Innovation at the CTech IncUBator@University of Bridgeport.” Planning grant, $8,000.

Seed Grant application (September 2009), “Modeling Manufacturing Performance for Manufacturing Efficiency Improvement,” $6,860 approved.

State of West Virginia Office of Technology, 2006. J. Biros and N. Lewis. "Information Technology Management Certification Program." $22,600.

National Collegiate Inventors and Innovators Alliance, 2005. P. Logan, N. Lewis, and S. Simonton. "Supporting E-Team formation in Solving the Economic and Environmental Issues of West Virginia." $24,000.

## Patents: Two U.S. patents were awarded on coffee processing (#4,234,613; #4,226,891).

# Professional Associations

American Society for Engineering Management (Fellow; Treasurer, member of Executive Committee, 2016-2019)

American Society for Engineering Education (officer positions in the Engineering Management Division and the Engineering Economy Division)

# Awards and Honors

ASEM World Headquarters Service Award, October 2019.

ASEM World Headquarters Service Award, October 2018.

“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

ASEE New Engineering Educators Division Best Paper Award, ASEE 2017 National Conference, June 2017

Fellow, American Society for Engineering Management, October 2016

Certified as a Professional Engineering Manager (PEM) by the American Society for Engineering Management, 2014

Merl Baker Award for service to the Engineering Management Division of ASEE, 2013

ASEE Professional Interest Council #1 Best Paper Award, (14 divisions) ASEE 2012 National Conference

ASEE Engineering Economy Division Best Paper Award, ASEE 2012 National Conference

Honorable Mention, 2012 Financial Education Association Annual Conference

“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

“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

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

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

Outstanding Teaching Commendation Award, University of Missouri - Rolla, 2005

Chancellor’s Fellowship, 2001 – 2004

2nd Place Student Paper, American Society for Engineering Management National Conference, 2003

Alpha Iota Delta (honor society in Decision Sciences), 2002

Quality Excellence Awards, Bayer Corporation (1997, 1998, 1998, 2000, 2001)

Sigma Beta Delta (honor society in Business, Management, and Administration), 1999

Omega Chi Epsilon (honor society in Chemical Engineering), 1974

Tau Beta Pi (honor society in Engineering), 1973

**Service**

***To Fairfield University***

Member of the group working with students on *Fairfield StartUp*, 2016-2017 academic year.

***To the University of Bridgeport***

Chair, Faculty Search Committee, Technology Management Department, 2014 – 2016

Member, School of Engineering Personnel Committee, 2014 – 2015

Member, School of Engineering Curriculum Committee, 2008 – 2014, 2015 – 2016

 Chair, 2008 – 2012, 2015 – 2016

Co-founder and member, *The Innovators* business networking series, 2012 – 2016

Industry Advisory Board (Engineering), 2011 – 2016

Graduate Council, 2008 – 2011

Planning committee member

 Ph.D. in Technology Management M.S. in Biomedical Engineering

***To the Discipline***

American Society for Engineering Management, Treasurer, 2016 – 2019 (member of Executive Committee); Northeast Regional Director and Board member, 2015 – 2016; Annual Conference Track Chair, 2013, 2014, 2015, 2016, 2017; Judge, student team competition, 2018.

American Society for Engineering Education

 Officer positions, Engineering Management Division, 2008 – 2017 (Chair, 2011 – 2012)

 Director, 2014 – 2017.

 Officer positions, Engineering Economy Division, 2010 – 2014 (Chair, 2013 – 2014)

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

Reviewer, *The Engineering Economist*, 2008 – present

Reviewer, *Engineering Management Journal*, 2014 – present

Grant Award review committee, 2011 – 2018

Master’s Project Committee for M.S student, University of Alaska Anchorage, 2014

Financial auditor, Killingworth UCC, 2014 – 2019

Session Chair, numerous conferences, ASEE, ASEM, IISE, 2008 – present

**Publications (2003 – 2019)**

**Books and Book contributions (15)**

Newnan, Donald G., Ted G. Eschenbach, Jerome P. Lavelle, and Neal A. Lewis, *Engineering Economic Analysis, 14th edition*, Oxford University Press, 2020.

Lewis, Neal A., PowerPoint slides accompanying *Engineering Economic Analysis, 14th edition*, Oxford University Press, 2020.

Wheeler, Ed, Neal A. Lewis, and Ted G. Eschenbach. Study Guide accompanying *Engineering Economic Analysis, 14th edition*, Oxford University Press, 2019.

Newnan, Donald G., Ted G. Eschenbach, Jerome P. Lavelle, and Neal A. Lewis, *Engineering Economic Analysis, 13th edition*, Oxford University Press, 2017.

Lewis, Neal A., PowerPoint slides accompanying *Engineering Economic Analysis, 13th edition*, Oxford University Press, 2017.

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.

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.

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.

Lewis, Neal A., Barbara J. Miller, 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.

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.

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.

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.

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.

Lewis, Neal A. *Project Valuation for the Strategic Management of R&D,* Lambert Academic Press, 2010. Published dissertation.

Lewis, Neal A. “Aunt Allee’s Jams and Jellies” in William R. Peterson and Ted G. Eschenbach, *Cases in Engineering Economy*, Oxford University Press, 2009, pp. 218-222.

# Journal Publications (17)

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.

Rodrigues, Talisa M., Ted G. Eschenbach, and Neal A. Lewis. "The Couple's Advantage: A Case Study of When to Start Collecting Social Security," *Journal of Finance Case Research* (accepted).

Lewis, Neal A. “Book Review: Infrastructure Investment, An Engineering Perspective,” *The Engineering Economist*, Vol. 61, No. 2, 2016, pp. 156-159.

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. One of top 5 cited articles, 2018; 2nd highest Altmetric score, 2018.

Nicholls, Gillian, Neal Lewis, Liang Zhang, and Zhuoyuan Jiang. “Breakeven Volatility for Real Option Valuation,” *Engineering Management Journal*, Vol. 26, No. 2, 2014, pp. 49-61.

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.

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.

Rangarajan, Kiran, 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.

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.

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.

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.

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. Winner of the Eugene Grant Award for best article, 2009. Most downloaded *The Engineering Economist* article, 2011.

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.

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.

Lewis, Neal. “A Tracking Tool for Lean Solid Dose Manufacturing.” *Pharmaceutical Technology*, Vol. 30, No. 10, October 2006, pp. 94-108.

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.

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. Winner of the Ted Eschenbach Best EMJ Article Award, 2005.

**Conference Proceedings (41)**

Lewis, Neal, Jerome Lavelle, and Ted Eschenbach, “The Tax Cuts and Jobs Act and Teaching Engineering Economy”, 2019 International Conference, American Society for Engineering Education, Tamps, Florida, June 2019.

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.

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.

Belitzky, Ellen, 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.

Jagtiani, John (Lalit) 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.

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.

Nicholls, Gillian M, Schell, William J. IV, and Neal 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.

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.

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.

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.

Lewis, Neal, and Jani Pallis, “Interdisciplinary Course in New Product Commercialization,” 2014 National Conference, American Society for Engineering Management, Virginia Beach, Virginia, October 2014.

Rodrigues, Talisa M., 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.

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.

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.

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.

Oun, Tariq, 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.

Nicholls, Gillian, Neal Lewis, and Liang Zhang. “Breakeven Volatility for Real Option Valuation,” 2012 National Conference, American Society for Engineering Management, Virginia Beach, VA, October 2012.

Lewis, Neal, Gillian Nicholls, and Zhuoyuan Jiang. “The Real Option Volatility Parameter,” 2012 National Conference, American Society for Engineering Management, Virginia Beach, VA, October 2012.

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. Won Honorable Mention in conference best paper competition.

Eschenbach, Ted, Neal Lewis, and Yiran Zhang. “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. One of six finalists (out of 1506 submitted papers) for conference best paper.

Pallis, Jani; Neal Lewis, Ravi Mishra, 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.

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.

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.

Lewis, Neal, Ted Eschenbach, Lisong Fan, and Joseph Hartman. “EVPI and Real Option Valuation,” 2011 Industrial Engineering Research Conference, Reno, Nevada, May 2011.

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.

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.

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.

Eschenbach, Ted, and Neal Lewis. “Calculators vs. Factor Tables and Reducing the Financial Arithmetic?” 2010 Industrial Engineering Research Conference, Cancun, Mexico, June 2010.

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.

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.

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.

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.

Lewis, Neal, and Ted Eschenbach. “Real Options in Engineering Economy Education,” 2008 National Conference, American Society for Engineering Education, Pittsburgh, PA, June 2008.

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.

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.

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.

Lewis, Neal, and Mohammed Ibrahim. “Are Lean Manufacturing Efforts Reflected in Corporate Finances?” 2006 National Conference, American Society for Engineering Management.

Lewis, Neal and David Spurlock. “Volatility Estimation of Forecasted Project Returns for Real Options Analysis.” 2004 National Conference, American Society for Engineering Management.

Lewis, Neal and David Spurlock. “Project Valuation for the Strategic Management of Research and Development: The Abandonment Option.” 2003 National Conference, American Society for Engineering Management.

Lewis, Neal and David Spurlock. “Research Methods in Engineering Management: Approaches to Studying Things Other Than People,” 2003 National Conference, American Society for Engineering Management.

Lewis, Neal and Amit Patil. “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.

**Other Presentations (35)**

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.

Eschenbach, Ted and Neal Lewis, “Investing for Retirement – Incorrect or Missing Guidelines” 2019 International Conference, American Society for Engineering Management, Philadelphia, Pennsylvania, October 2019.

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.

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.

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.

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.

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.

Lewis, Neal A., “Quality in Consumer Products,” guest lecture to EIND 477 class, Montana State University, March 3, 2017.

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.

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.

Lewis, Neal A. and Ted G. Eschenbach, "Actionable Volatility in Real Options Valuation," 2015 Industrial and Systems Engineering Research Conference, Nashville, Tennessee, June 2015.

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.

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.

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.

Invited Panel member, “Engineering Economy Education in the 21st Century,” 2014 Industrial and Systems Engineering Research Conference, Montreal, Quebec, Canada, June 2014.

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.

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.

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.

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.

Lewis, Neal. “Engineering Careers,” Engineering Colloquium, University of Bridgeport, October 25, 2012.

Lewis, Neal, Gillian Nicholls, and Zhuoyuan Jiang. “Investigating the Real Option Volatility Parameter,” 2012 Industrial and Systems Engineering Research Conference, Orlando, Florida, May 2012.

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.

Weng, Mufu, Ted Eschenbach, and Neal Lewis. “What’s the Right Inputs for the WACC?” 2012 Industrial and Systems Engineering Research Conference, Orlando, Florida, May 2012.

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.

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.

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.

Nichols, Gillian, Paul Componation, Neal Lewis, and Alison Knight. “Assessing the Effects of On-Line Homework Procedures and Students’ Performance,” 2011 Industrial Engineering Research Conference, Reno, Nevada, May 2011.

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.

Invited Panel member, “Career Panel for Graduate Students,” 2009 National Conference, American Society for Engineering Management, Springfield, MO, October 2009.

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.

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.

Lewis, Neal. “Use of Industrial ‘War Stories’ in the Technical Management Classroom.” 2007 National Conference, American Society for Engineering Management, Chattanooga, TN, October 2007.

Lewis, Neal. “Real Options Analysis,” Presentation to the University of Bridgeport, School of Engineering Colloquium, October 4, 2007.

Lewis, Neal. “Troubleshooting in a Crisis Mode,” Presentation to Toyota Motor Manufacturing West Virginia, Specialists Technical Conference, Dec. 8, 2005.

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.