

APPENDIX C - BIBLIOGRAPHY

1. *The Cost Effectiveness of Modeling and Simulation (M&S) Msg-031 Final Report - Draft.*
2. *USAF M&S Investment Analysis, Done by SAIC*
3. *Value Measuring Methodology: How-to-Guide*, CIO Council, Best Practices Committee.
4. *Initial Capability Document - Computational Research and Engineering Acquisition Tools and Environments (Create) Program - Ship Rapid Design Capability Project. ICD Rapid Design Capability Ver 1.0 2008-03-31*
5. *The Business Case Web Site.*
6. *Business Case Toolkit - BPR Learning Center*, Prosci Learning Centers.
7. *Army Training - Computer Simulations Can Improve Command Training in Large-Scale Exercises.* 1991, U.S. General Accounting Office - Report to the Chairman, Subcommittee on Readiness, Committee on Armed Services, House of Representatives.
8. *Department of Defense Instruction 7041.3. Economic Analysis for Decisionmaking, Enclosure 3: Procedures for Economic Analysis* 1995.
9. *Study on the Effectiveness of Modeling and Simulation in the Weapon System Acquisition Process (Final Report).* 1996, Prepared for the Director, Test, Systems Engineering and Evaluation Office of the Under Secretary of Defense for Acquisition, Logistics and Technology.
10. *The Utility of Modeling and Simulation in the Department of Defense: Initial Data Collection.* 1996, Institute for Defense Analyses.
11. *The Utility of Modeling and Simulation in the Department of Defense: Initial Data Collection.* 1996, Institute for Defense Analyses.
12. *A Road Map for Simulation Based Acquisition.* 1998, Report of the Joint Simulation Based Acquisition Task Force.
13. *Measuring Intangible Assets: A Price on the Priceless.* The Economist, 1999.
14. *Department of Defense Dictionary of Military and Associated Terms.* 2001, Joint Publication 1-02.
15. *The Joint Simulation and Modelling for Analysis, Requirements, Training, and Support (Smarts) Initiative: A Vision for Enabling Strategy 2020 through the Application of Modelling & Simulation in DND.* 2004, Department of National Defence.
16. *Glossary of Defense Acquisition Acronyms & Terms.* 2005, Defense Acquisition University Press.
17. *Research Report - Modelling and Simulation Cost Benefit Analysis Lists.* 2006, Prepared by: AEGIS Technologies Group; SECO Officer - Mr. Pierre Gauvin.
18. *M&S Cost Benefit Analysis Lists.* 2006, AEGIS Technologies Group.
19. *Defense Modeling, Simulation, and Analysis: Meeting the Challenge.* 2006, The National

Academies Press.

20. *SimSummit Survey on US DoD M&S Management / Leadership*. 2007, Prepared by: SimSummit Roundtable for US DoD M&S Steering Committee Tri-Chairs.
21. *DoD M&S Community Feedback Relative to ROI Metrics Study*. 2008.
22. *Strategic Vision for DoD Modeling and Simulation*. 2008.
23. AB Technologies, Inc., *Modeling & Simulation Benefits Initiative (Phase One Report)*. 1998.
24. AB Technologies, Inc., *Modeling & Simulation Benefits Initiative (Phase Two Report)*. 1999.
25. Abbott, Lawrence, *Economics and the Modern World*. 2d ed. 1967, New York,: Harcourt. xx, 876 p.
26. Allen, W. Bruce, *Managerial Economics : Theory, Applications, and Cases*. 6th ed. 2005, New York: W.W. Norton. xxiv, 832, 88 p.
27. Anthony, Robert Newton, David F. Hawkins, and Kenneth A. Merchant, *Accounting : Text and Cases*. 12th ed. 2007, Boston Mass.: McGraw-Hill Irwin. xxvi, 933.
28. Arora, Ashish, Andrea Fosfuri, and Alfonso Gambardella, *Markets for Technology : The Economics of Innovation and Corporate Strategy*. 2002, Cambridge, Mass.: MIT Press. xi, 338 p.
29. Baetjer, Howard, *Software as Capital : An Economic Perspective on Software Engineering*. 1998, Los Alamitos, Calif.: IEEE Computer Society. xii, 194 p.
30. Baetjer, Howard, *Capital Structure Evolution: Austrian Observations on the Case of Software Development*, in *Southern Economic Association Meeting*. 1999: New Orleans, LA.
31. Baetjer, Howard, *Towards Estimating Software Value*. 2000, Paper presented at the Los Angeles Software Improvement Network (LA SPIN).
32. Baetjer, Howard and Peter Lewin, *Can Ideas Be Capital: Can Capital Be Anything Else*. 2007, Working Paper 83, George Mason University.
33. Banks, Jerry, *Putting a Value on Simulation*. IIE Solutions, 2000.
34. Bannock, Graham, R. E. Baxter, and Evan Davis, *Dictionary of Economics*. 1998, New York: John Wiley & Sons. 439 p.
35. Berman, Karen, Joe Knight, and John Case, *Financial Intelligence for It Professionals : What You Really Need to Know About the Numbers*. 2008, Boston, Mass.: Harvard Business Press. xv, 296 p.
36. Board, International Accounting Standards, *International Financial Reporting Standards 2007 (Including International Accounting Standards (Iass(TM)) and Interpretations as of 1 January 2007)*. 2007, LexisNexis.
37. Boehm, Barry W., *Software Engineering Economics*. Prentice-Hall Advances in Computing Science and Technology Series. 1981, Englewood Cliffs, N.J.: Prentice-Hall. xxvii, 767 p.

38. Brealey, Richard A. and Stewart C. Myers, *Principles of Corporate Finance*. 6th ed. The Irwin/McGraw-Hill Series in Finance, Insurance, and Real Estate. 2000, Boston: Irwin/McGraw-Hill. xxvi, 1093 p.
39. Brigham, Eugene F. and Michael C. Ehrhardt, *Financial Management : Theory and Practice*. 11th ed. The Harcourt College Publishers Series in Finance. 2005, Mason, Ohio: Thomson/South-Western. xxiii, 1000 p.
40. Brown, David, *Building a Business Case for Modeling and Simulation*. Acquisition Review Quarterly, 2000: p. 15.
41. Carter, John, *A Business Case for Modeling and Simulation*. 1995, Simulation Councils, Inc. p. 587-594.
42. Chadbourne, Christopher and Ivan Oswalt, *Metrics for M&S Investment - Lexicon / Glossary Inputs and Study Approach and Methodology Inputs*. 2008.
43. Chapman, John, *Simulation Return on Investment*. 1999
44. Chatham, Ralph and Joe Braddock, *Training Superiority & Training Surprise, Final Report*. 2001, DSB Task Force on Training Superiority and Training Surprise.
45. Clements, Paul, Rick Kazman, and Mark Klein, *Evaluating Software Architectures : Methods and Case Studies*. SEI Series in Software Engineering. 2002, Boston: Addison-Wesley. xxv, 323 p.
46. Conklin, Jeff, *Wicked Problems & Social Complexity - Chapter 1 Of "Dialogue Mapping: Building Shared Understanding of Wicked Problems*. 2006, Wiley For more information see the CogNexus Institute website at <http://cognexus.org>.
47. Connolly, Terry, Hal R. Arkes, and Kenneth R. Hammond, *Judgment and Decision Making : An Interdisciplinary Reader*. 2nd ed. Cambridge Series on Judgment and Decision Making. 2000, Cambridge, U.K. ; New York: Cambridge University Press. xviii, 786 p.
48. Coolahan, James, *A Business Case for Simulation Based Acquisition (SBA) - Some Issues for Consideration*. 1999.
49. Copeland, Tom; Koller, Tim; Murrin, Jack, *Valuation: Measuring and Managing the Value of Companies*. 3rd edition ed: McKinsey & Company.
50. Cozby, Rick, *Examining the Business Case for Modeling and Simulation*. 2001 NDIA SBA Conference.
51. Dubin, Dr. Hank, *The Business Case for SBA - Developing Confidence in M&S*, in *SBA Conference*. 2001.
52. Dunn, William, *Economics of Models and Simulations - Army Perspective*. 1999.
53. Dunn, William, Chip Cobb, and Ross Dickenson, *Army Model and Simulation Office (AMSO) Benefits Initiative (Bi)*. 1999.
54. Erlandson, Marc and Steven Gordon, *Economics of Simulation Data Compilation Work Group*. 1995.
55. Fishburn, Peter C. (Personal author), *A Survey of Multiattribute/Multicriterion Evaluation*

- Theories*, P.S.U.U.P.C.O.B.A.C. author), Editor. 1977.
56. Fletcher, J. D., *Measuring the Cost, Effectiveness, and Value of Simulation Used for Military Training*, A. Institute for Defense Analyses, VA, Editor.
 57. Force, U.S. Air, *USAF Workshop - Return on Investment (ROI)*. 2007.
 58. Freeman, Rhonda, Tony Lashley, and Jeff Swanger, *The Benefits of Modeling and Simulation*. 1996.
 59. Frost, Robin, *The Economics of Modeling and Simulation*. 1999.
 60. Fujimoto, Richard *Future Trends in Distributed Simulation and Distributed Virtual Environments - a Peer Study Final Report*, S. Strassburger, Editor, Fraunhofer IFF, Magdeburg, GE.
 61. Fülöp, János *Introduction to Decision Making Methods*, Laboratory of Operations Research and Decision Systems, Computer and Automation Institute, Hungarian Academy of Sciences.
 62. Gardner, *Cost and Training Effectiveness Analysis for Large-Scale Simulations*. 1999.
 63. Garrabrants, William; Hutchinson, Aaron; Katz, Warren; McGinn, Jack; Perme, David; Roberts, Bruce; Waite, Bill, *Novel Business Model Approach for Future JSIMS Acquisition*, in *I/ITSEC*. 2004: Orlando, FL.
 64. Geisler, Eliezer, *The Metrics of Science and Technology*. 2000, Westport, Conn.: Quorum Books. xvi, 380 p.
 65. Gordon, Dr. Steven, *Determining the Value of Simulation*, in *SCSC 2000*. 2000: Vancouver, Canada.
 66. Gordon, Dr. Steven, Bill Waite, Gunnar Ohlund, and Asa Bjork, *Review and Update of Findings from Economics of Simulation Study Groups*. 2005, NMSG-035/RSY-005.
 67. Gordon, Steve, *Determining the Value of Simulation*. 1995, Simulation Councils, Inc. p. 969-973.
 68. GropPELLI, Angelico A. and Ehsan Nikbakht, *Finance*. 3rd ed. Barron's Business Review Series. 1995, Hauppauge, N.Y.: Barron's Educational Series. xi, 491 p.
 69. Group, National Training Systems Association Industry Steering, *Value to Industry of Defense Modeling and Simulation Office Accomplishments*. 2002.
 70. GuilhON, Bernard, *Technology and Markets for Knowledge : Knowledge Creation, Diffusion, and Exchange within a Growing Economy*. Economics of Science, Technology, and Innovation. 2001, Boston; Norwell, Mass.: Kluwer Academic Publishers ; Distributors for North, Central and South America: Kluwer Academic Publishers. xx, 206 p.
 71. Hillegas, Anne, *Findings on the Economics of Modeling and Simulation from the DOD&E M&S Survey*. 2001.
 72. Hillier, Frederick S. and Gerald J. Lieberman, *Introduction to Operations Research*. 8th ed. 2005, Boston: McGraw-Hill Higher Education. xxv, 1061 p.
 73. Hubbard, Douglas W., *How to Measure Anything : Finding the Value Of "Intangibles" In*

- Business*. 2007, Hoboken, N.J.: John Wiley & Sons. xv, 287 p.
74. Iansiti, Marco and Roy Levin, *Strategy as Ecology*. Harvard Business Review, 2004: p. 11.
 75. Institute, CFA, *Financial Statement Analysis*. Vol. Vols 1-6: Pearson Custom Publishing
 76. Jacobson, Ivar, *Object-Oriented Software Engineering : A Use Case Driven Approach*. 1992, [New York] Wokingham, Eng. ; Reading, Mass.: ACM Press ; Addison-Wesley Pub. xx, 524 p.
 77. Jones, Reuben, William Tucker, and Renee Walton, *The Economic Benefits of Simulation: Toward Closed Form Equations*. 2000.
 78. Lewis, Bob, *VV&A Cost Estimating*.
 79. Lilienthal, Mike, *M&S Savings*. 2001.
 80. Lindsey, Stephen W., Marilyn Z. Rutledge, and Cheryl Wilson, *Guide to Gaap*. 1995: Practitioners Publishing Company, Inc.
 81. Ling, David C. and Wayne R. Archer, *Real Estate Principles : A Value Approach*. 2nd ed. 2008, Boston: McGraw-Hill/Irwin. xxvi, 661 p.
 82. M&SCO, MSSC and, *Report on Department of Defense Modeling and Simulation Efforts*. 2008, OSD, DDR&E.
 83. M&SCO, MSSC and, *Report on Department of Defense Modeling and Simulation Efforts*. 2008, OSD, DDR&E.
 84. Mahon, Richard, *Modeling & Simulation Return on Investment (ROI) "Real Savings" Vs. Indirect Savings and Cost Avoidance*. 1999.
 85. Mankiw, N. Gregory, *Principles of Economics*. 1998, Fort Worth, TX: Dryden Press. xxxv, 797 p.
 86. McGarry, John, *Practical Software Measurement : Objective Information for Decision Makers*. 2002, Boston, MA: Addison-Wesley. xvii, 277 p.
 87. McGinnis, M. L. , *Measuring the Effectiveness of Simulation-Based Training*, G.F.I. Stone, Editor. 2006, Proceedings of the 28th conference on Winter Simulation. 934-938. 2006. New York, NY, ACM Press.
 88. McGough, Ms. Lan-Thanh, *Meaningful Metrics for M&S Utility in Acquisition*.
 89. McMohon, Richard, *Modeling & Simulation Return on Investment (ROI) "Real Savings" Vs. Indirect Savings and Cost Avoidance*. 1999.
 90. Miller, Robin, *The Economics of Simulation - Business Case Development*.
 91. Minsky, Hyman P., *Can "It" Happen Again? : Essays on Instability and Finance*. 1982, Armonk, N.Y.: M.E. Sharpe. xxiv, 301 p.
 92. Moore, James F., *Predators and Prey: A New Ecology of Competition*. Harvard Business Review, 1993(May-June 1993): p. pages 75-86.
 93. National Research Council (U.S.). Committee on Modeling and Simulation Enhancements for 21st Century Manufacturing and Acquisition., *Modeling and*

- Simulation in Manufacturing and Defense Systems Acquisition : Pathways to Success.* 2002, Washington, D.C.: National Research Council. xiii, 183 p.
94. Needles, Belverd E. and Marian Powers, *Financial Accounting*. 7th ed. 2001, Boston: Houghton Mifflin Company. xxxv, 825 p.
 95. Nesselrode, Mark C., *Developing a Repeatable and Reliable Methodology to Determine Return-on-Investment*
 96. Nesselrode, M. C. , *Grasping the Intangible: Real Solutions for Return on Investment in the Realm of Training and Operations in ITEC*. 2008.
 97. Oswalt, Ivan, *Defining M&S Value: Structuring M&S Indicators of Value & Examining Naval Military Applications*. 1999.
 98. Oswalt, Ivan, *Navy M&S Value Analysis: Structure, Results & Ongoing Efforts*. 2005.
 99. Perez, Carlota, *Technological Revolutions and Financial Capital : The Dynamics of Bubbles and Golden Ages*. 2002, Cheltenham, UK ; Northampton, MA, USA: E. Elgar Pub. xix, 198 p.
 100. Raymond, Eric S., *The Cathedral & the Bazaar : Musings on Linux and Open Source by an Accidental Revolutionary*. 1st ed. 1999, Beijing ; Cambridge, Mass.: O'Reilly. xi, 268 p.
 101. Rench, M. E., *Cost Benefit Analysis for Human Effectiveness Research: Distributed Mission Training-Aircrew*, S. Johnson, Editor. 2001, Report for Air Force Research Laboratory, Human Effectiveness Directorate: Wright-Patterson AFB, OH.
 102. Render, Barry, Ralph M. Stair, and Nagraj Balakrishnan, *Managerial Decision Modeling with Spreadsheets*. 2003, Upper Saddle River, N.J.: Prentice Hall. xxiii, 616 p.
 103. Resnik, Michael D., *Choices : An Introduction to Decision Theory*. 1987, Minneapolis: University of Minnesota Press. xiii, 221 p.
 104. Roztock, N., *An Integrated Activity-Based Costing and Economic Value Added System as an Engineering Management Tool for Manufacturers*, K.L. Needy, Editor. 1998, 1998 ASEM National Conference Proceedings, Virginia Beach. p. pp. 77-84.
 105. Saaty, Thomas L., *Theory and Applications of the Analytic Network Process : Decision Making with Benefits, Opportunities, Costs, and Risks*. 3rd ed. 2005, Pittsburgh: RWS Publications. xiv, 352 p.
 106. Samuelson, Paul Anthony, *Economics; an Introductory Analysis*. 7th ed. 1967, New York,: McGraw-Hill. xxi, 821 p.
 107. Scott, David Logan, *Wall Street Words : An a to Z Guide to Investment Terms for Today's Investor*. 3rd ed. 2003, Boston: Houghton Mifflin. viii, 424 p.
 108. Scrudder, Roy, *Modeling and Simulation (M&S) Community of Interest (COI) Discovery Metadata IPR*, P. Gustavson, Editor. 2008.
 109. Sutton, John, *Technology and Market Structure : Theory and History*. 1998, Cambridge, Mass: The MIT Press. xv, 676 p.
 110. The AEGIS Technologies Group, Inc., *Research Report Modelling and Simulation Cost*

- Benefit Analysis Lists*. 2006, HER MAJESTY THE QUEEN IN RIGHT OF CANADA AEGIS Technologies.
111. Vallerand, Andrew L., *SimSummit 03 Business Case & Common M&S/SE "Matrix"*. 2003, DND SECO.
 112. VMASC, *Developing a Repeatable and Reliable Methodology to Determine Return-on-Investment - Final Report*, J. Sokolowski, Editor. 2007, Submitted to: Joint Forces command, Joint Warfighting Center.
 113. Vogel, Harold L., *Entertainment Industry Economics : A Guide for Financial Analysis*. 7th ed. 2007, Cambridge ; New York: Cambridge University Press. xxii, 621.
 114. Vries, Michiel S. de, *Calculated Choices in Policy-Making: The Theory and Practice of Impact Assessment*. 1999, New York, N.Y.: St. Martin's Press. xvi, 220 p.
 115. Waite, Bill, *Strategic Vision for DoD Modeling and Simulation*.
 116. Weatherly, Jim, *Investigation into Economics of Modeling & Simulation (Navy)*. 1999.
 117. Weber, Steve, *The Success of Open Source*. 2004, Cambridge, MA: Harvard University Press. viii, 312 p.
 118. Wenger, et. al., *Cultivating Communities of Practice*, Boston, MA, 1952