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 Associate Department Chair
 AT&T Professor of Industrial Engineering
 Director of the Laboratory for Systems Solutions
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EDUCATION

Ph.D.	Virginia Polytechnic Institute & State University	1993
M.S.I.E.	University of Miami	1988
B.S.M.E.	University of Miami	1981

Major Areas of Interest: Systems and Engineering Management, Advanced Economic Analysis, Management of Technology, White-Collar/Knowledge Work Productivity and Performance Measurement, Operations and Systems Engineering.

Faculty Web-page: <http://www.depts.ttu.edu/ieweb/faculty/faculty.php?name=Mario%20Beruvides>

Certifications

National Academy of Inventors, member, 2017
 Professional Engineer, State of Texas # 85045.
 Meyers-Briggs Type Indicator (MBTI) CAPT Certified Practitioner, 1998.
 Mediator, State of Texas, 1999
 Arbitrator, State of Texas, 1999
 Family/Divorce Mediator, State of Texas, 2000
 Agricultural Mediator, USDA, 2000
 Agricultural Arbitrator, USDA, 2001
 CPS Mediator, State of Texas, 2007

EXPERIENCE

Research & Teaching

Texas Tech University	Associate Department Chair	2014-present
	AT&T Professor	2008-present
	Professor	2006-present
	Associate Professor	2000-2005
	Assistant Professor	1994-1999
University of Texas at El Paso VPI&SU	Assistant Professor	1993-1994
	Graduate Research and Teaching Assistant	1990-1993

Industrial

CIBA-GEIGY Miami, FL	Project Manager	1985-1990
AFA Corporation Miami Lakes, FL	Product Development Engineer	1983-1985
Security Plastics, Inc. Miami Lakes, FL	CAD/CAM Engineer	1982-1983

RESEARCH ACTIVITIES

Submitted:

“Adaptive Wastewater Reuse for Crop Production Sustainability,” National Institute of Food and Agriculture, \$499,950, December 2016 (C. Fedler, M. Beruvides, & J. Cantu).

“The Effects of Graphic Decoration in Classroom on Engineering Student Learning,” TTU Seed Grant for Interdisciplinary Research, \$126,340, December 2016 (G. Tan, W. Lan, & M. Beruvides).

“IUSE/PFE:RED: Revolutionizing Industrial Engineering Education via a Manufacturing-Centered Project-Based Framework,” National Science Foundation, \$1,999,996, December 2016 (H. Zhang, W. Cong, J. Farris, W. Lan, P. Maloney, M. Beruvides)

“Wireless Health Monitoring, Risk Modeling, Optimization, and Economic Analysis for Rural Health,” Keck Foundation, \$755,000, 2017 (D. Du, M Beruvides, & M. Chyu).

In Preparation:

“Economic Evaluation and Management of Biomass for Agricultural Sustainability with Adaptive Wastewater Reuse and Technology Integration,” USDA – BioMass Research & Development, Funding proposal in preparation, 2017 (C. Fedler & M. Beruvides)

Virtual Networks and Peer-to-Peer Mentoring in an Online STEM PhD Program,” NSF – Innovations in Graduate Education Program, Funding proposal in preparation, 2017 (J. Cross, M. Beruvides, & W. Lan).

Active:

“Systems Engineering Research Center (SERC) University – DoD Umbrella Agreement,” Department of Defense, \$2,000,000 January 2009 (with Associated Research Center Universities)

Completed

“Organizational Health System Dynamics Model” CNS Pantex / Department of Defense, \$128,066, June 2015 (M. Beruvides, and J. Cantu)

“Systems Dynamic and Economic Model” B&W Pantex / Department of Defense, \$132,278, January 2014 (M. Beruvides, and M. Smith)

“Problem Solving Using Six-Sigma Methodology,” ITESM-CEMEX Collaborative Research, CEMEX Corporation, \$550,000, December, 2012 (M.C. Temblador, A.C. López, G.C. Rodríguez, & M.G. Beruvides)

“High Reliability Operations Research Project: Systems Dynamic and Economic Analysis Models for B&W Pantex Plant High Explosives Operations” Department of Defense, \$109,441, October 2011 (M. Beruvides and J. Simonton)

“Dual/Concurrent Enrollment Research Project– Phase 2,” Texas State Technical College, \$9,974 January 2010.

“Quantifying the Purchasing power of Public Transportation in Texas,” TxDOT - Texas Department of Transportation #RMC2-06194, \$120,308, September 2008 (with TTI/TAMU, UTB, and James Simonton)

“Dual/Concurrent Enrollment Research Project – Phase 1,” Texas State Technical College, \$9,974 July 2009.

“Utilizing Agricultural Biomass in Energy Production and Economic Development,” State Energy Conservation Office (SECO), \$136,000, October 2007 (with Clifford Fedler, James Simonton and Conrad Lyford)

“Evaluation of Nep Formation from Mechanical Processing of Cotton,”TDA – Texas Food and Fiber Research #FF-d-07-02, \$30,000, September 2007 (with Mourad Krifa and Eric Hequet)

- “Public Transportation Maintenance Knowledge and Resource Sharing Project,” TxDOT – Texas Department of Transportation – Inter-Agency Contract, \$395,000, March 2007 (with James Simonton and Phil Nash)
- “Development of a Trans- Disciplinary Journal on the Scholarship of Teaching and Learning,” Faculty Incentive Grant – Teaching, Learning, and Technology Center, Texas Tech University, \$10,000, September 2006 (with Bob McDonald).
- “Utilization of Ginned Fiber for the Examination of White Speck Content in Texas Cotton – Phase II,” USDA-CSREES / International Cotton Research Center, \$56,980, September 2005 (with James Simonton).
- “Center for Logistics and Distribution: Human Interaction in Logistics Systems,” National Science Foundation, \$10,000, February 2005 (with Terry Collins, Milton Smith and Elliot Montes)
- “Utilization of Ginned Fiber for the Examination of White Speck Content in Texas Cotton – Phase I,” USDA-CSREES / International Cotton Research Center, \$53,421, September 2004 (with James Simonton).
- “Economic Feasibility of Manufacturing Fuel Pellets from Cotton By-Products,” USDA-SBIR Program, \$75,000, May 2003 (with Greg Holt and James Simonton).
- “Development of Test Methodology for Systematic Exploration of Immature Fiber Content in Texas Cotton,” Texas Higher Education Coordinating Board – Advanced Research Program, \$142,500, January 2002 (with James Simonton).
- “Cost of Quality – Post Doc Research,” Texas Tech University, College of Engineering, \$13,500, December, 2002.
- “Analysis of Group Decision Support Systems and Consensus Building for Electronic Commerce,” Texas Higher Education Coordinating Board – Advanced Technology Program, \$109,000, January 2000 (with Dean Fontenot).
- “A Systems Theory Approach to Technology Transfer in the Management of Technology in Developing Nations,” Egyptian Cultural and Educational Bureau, \$20,000, December, 1999.
- “The Value of Pipelines to the Transportation System of Texas,” Texas Department of Transportation (TxDOT), \$150,000, September 1999 (with Ted Weisner and the Texas Transportation Institute).
- “A Research Program to Increase Pipeline Safety via Engineering and Systems Management,” Koch Industries, \$50,000, November 1998 (with Bill Marcy and Ted Weisner).
- “Management Systems Engineering and Advanced Technology Program,” CFAR Grant, \$3,000, September 1998 (with Milton Smith and Surya Liman).
- “Development of an Internet-Based Engineering Professionalism Course for the Industrial Engineering Undergraduate Curriculum,” TTU Faculty Incentive Grant, \$5,000, April 1998.
- “Manufacturing Engineering Lab Development Grant,” Society of Manufacturing Engineers Education Foundation, \$6,250, July 1998 (with Hong-Chao Zhang).
- “Education Development Grant,” Society of Manufacturing Engineers Education Foundation, \$69,740, July 1997 (with Hong-Chao Zhang).
- “Manufacturing Curriculum and Capital Equipment Development Grant,” Society of Manufacturing Engineers Education Foundation, \$405,690, July 1996 (with Hong-Chao Zhang).

- “Automated Manufacturing System Life Cycle Economics,” CFAR, \$8,000 August 1996 (with Surya Liman, Milton Smith, and Hong-Chao Zhang).
- “Analysis and Cost Reduction Strategies for General Electric Appliance’s Model AP1 Washer-96,” General Electric Corporation, \$30,044, January 1996 (with Hong-Chao Zhang).
- “Capital Equipment and IE Curriculum Development Grant,” Society of Manufacturing Engineers, \$52,245, May 1995 (with Hong-Chao Zhang and Jose Macedo).
- “Analysis of Learning Curves for White-Collar/Knowledge Workers,” Texas Tech University, College of Engineering, \$12,000, October, 1994.
- “Ergonomics and Methods Engineering Laboratory Development,” NSF-AMP Student Research Project, \$7,000, May, 1994.
- “Upgrade and Development of the Ergonomics and Methods Engineering Laboratory,” Engineering Equipment Grant/UT System, \$27,000, December, 1993.
- “Redesign of a Methods Engineering Course,” Teaching Effectiveness Grant/UTEP, \$5,050, November, 1993.

PUBLICATIONS

Papers in Open Literature

Refereed Publications

Submitted – Under review

- “Cluster Analysis Approach to Identifying Maintenance Infant Mortalities and Quantifying the Corresponding Costs: An Analytical and Empirical Study” submitted to *Engineering Economist Journal*. 2017, 23p. (R.E. Peimbert, J. Limon and M.G. Beruvides).
- “Estimation of Remaining Useful Life Based on Detection of Explosive Changes: An Analysis of Bearing Vibration,” submitted to *Quality Engineering Journal*, 2016, 35p. (D. Barraza, V. Tercero, M.G. Beruvides, and E. Cordero).
- “A Quantile Estimate Based on Local Curve Fitting, submitted to *IEEE Transactions on Reliability*, 2016, 11p. (M. Salazar, V. Tercero, E. Cordero, J. Conover, and M.G. Beruvides).
- “A Self-Starting CUSUM and a Maximum Likelihood Estimator of the Change Point for Individual Observations with Trend,” submitted to *Journal of Statistical Computation and Simulation*, 2016, 28p. (L. Guadalupe, V. Tercero, E. Cordero, and M.G. Beruvides).
- “An Economic Analysis Model for the High Reliability Organization: A Case Study,” submitted to *Reliability Engineering and System Safety Journal*, 2016, 25p. (M. Bromley, M.G. Beruvides, and J. Cantu).
- “Questioning the Basis Curves for Cotton: Analysis of Effects in the Shift of Cotton Textile Production” submitted to *Agricultural Economics Journal* 2016, 25p. (J. Cantu and M.G. Beruvides).

Manuscripts in preparation

- “Combining systems dynamic and economic analysis models into a single decision support system tool,” in preparation for *Reliability Engineering Management and Safety Systems Journal* 2017, 17p. (J. Tolk, J. Cant, M.G. Beruvides, K. McElwain, M. Bromley, and P. Patterson).

“Monitoring Trended Observations with a Self-Starting CUSUM and a Maximum Likelihood Estimation of the Change Point” in preparation for *Quality Engineering Journal* 2017, 23p. (L. Guadalupe, V. Tercero, E. Cordero and M.G. Beruvides).

“Identifying Economic Behaviour Shifts in the Tragedy of the Commons Through Statistical Monitoring and Change-Point Estimation” in preparation for *Journal of Economic Behaviour and Organization*. 2017, 24p. (L. Guadalupe, M.G. Beruvides, V. Tercero, and E. Cordero).

“The Economic of Cost of Quality for Green Manufacturing: a Life Cycle Assessment Approach” in preparation for *International Journal of Life Cycle Assessment*, 2017, 8p. (C.C. Chiu-Wei and M.G. Beruvides).

“Control Chart for the Monitoring of Quadratic Behavior with Non-constant Standard Deviation” in preparation for *International Journal of Production Research*. 2017, 33p. (J. Ramirez, M.C. Temblador and M.G. Beruvides).

“A Self-Starting CUSUM Chart combined with a Maximum Likelihood Estimator for the Time of a Detected Shift in the Process Mean,” in preparation for *Quality and Reliability Engineering International Journal*, 2017, 21p. (V. Tercero, M.C. Temblador M.G. Beruvides and A. Hernandez).

“Metaphorical Images in Organizational Design: Total Systems Intervention in Higher Education,” in preparation for *Academy of Management Journal*, 48p., 2017. (C. Maldonado and MG Beruvides)

“Effect of Carding Process on Cotton Fiber Properties,” in preparation for *Journal of Cotton Science*, 2017, 15p. (L.A. Barroso, J.L. Simonton, and M.G. Beruvides).

“Assignable Cause of Growth in Learning Curves: Non-Zero Slope Growth in Technorganic Systems,” in preparation for *Engineering Management Journal*. 2017, 25p. (M.G. Beruvides and Ana María Canto).

Accepted for publication

Published

“An Evaluation of Change-Point Estimators for a Sequence of Normal Observations with Unknown Parameters,” *Communications in Statistics - Simulation and Computation Journal*, 2017,, vol. 0, no. 0 1-21. (J. Garza-Venegas, V. Tercero, E. Cordero and M.G. Beruvides). [Published electronically – awaiting hard copy publication volume, number, and page sequence].

“An adaptive ARX model to estimate the RUL of aluminum plates based on its crack growth,” *Mechanica. Systems and Signal Processing*, 2017, vol. 82C, pp. 519-536. (Barraza, D., V. Tercero, MG Beruvides, and J. Limon).

“Regressing Sample Quantiles to Perform Nonparametric Capability Analysis,” *International Journal of Advanced Manufacturing Technology*, January 09, 2016, 11p. (M.I. Salazar, M.C. Temblador, W.J. Conover, V.G. Tercero, A.E. Cordero and M.G. Beruvides)

“Cost of Quality Modelling for Maintenance Employing Opportunity and Infant Mortality Costs: A Case Study in an Electric Utility in Latin America” *Engineering Economist Journal*. vol. 61, no. 2, pp. 112-127, 2016. (R.E. Peimbert, J. Limon and M.G. Beruvides).

“The Disaster Mitigation Act of 2000: Implications for the Practice of Risk Reduction in American Local Government,” *UN Office for Disaster Risk Reduction (UNISDR) - A 2015 Report on the Patterns of Disaster Risk Reduction Actions at Local Level*, 10p., 2016. (A. Jackman, G. Nestler and M.G. Beruvides).

“High Reliability Organization Research: A Literature Review for Healthcare,” *Engineering Management Journal*, vol. 27, no. 4, pp. 218-227, 2015. (J. Tolck, J. Cantu and M.G. Beruvides).

An Analysis of Cooperative Purchasing Programs in Transportation Organizations,” *World Review of Intermodal Transportation Research Journal*, vol 5, no. 3, pp. 240-262, 2015. (MG Beruvides, J.L. Simonton, N. Waters, H. Palikhe, and S. Chaivichitmalakul)

- “Multiple Internal Rate of Return Revisited: Frequency of Occurrences” *The Engineering Economist*. 2015, vol. 60, no.1 pp. 75-87. (E.H. Ng and M.G. Beruvides).
- “The Development of a Decision Tool for Cost Justification of Software Usability” *International Journal of Information and Business Management*, 2014, vol. 28, no. 1, pp. 45-73. (B. Aydin and M.G. Beruvides).
- “The Variational Effects of Jurisdictional Attributes on Hazard Mitigation Planning Cost” *Journal of Emergency Management*, 2014, vol. 12, no. 5, Sept/Oct. pp. 1-8. (A. Jackman and M.G. Beruvides).
- “The Disaster Mitigation Act of 2000: Implications for the Practice of Risk Reduction in American Local Government ” *United Nations Office for Disaster Risk Reduction – A 2015 Report Pattern of Disaster Risk Reduction Actions at Local Levels*, 2014, 11pp. (A. Jackman and M.G. Beruvides).
- “How Much do Hazard Mitigation Plans Cost?: An Analysis of Federal Grant Data” *Journal of Emergency Management*, July/August 2013, vol 11, no 4, pp. 271-279. (A. Jackman and M.G. Beruvides).
- “Technology Imprints: A Systems approach to the effects of the Imprint Index on Technology Frequency of Use,” *Cognitive Technology Journal*. 2013, vol. 18, issue 2 30p. (H. Besheer, M.G. Beruvides, H. Palikhe).
- “Local Hazard Mitigation Plans: A Preliminary Estimation of State-Level Completion From 2004 to 2009” *Journal of Emergency Management*, 2013, vol. 11, no. 2, pp. 121-132. (A. Jackman and M.G. Beruvides).
- “Nonparametric Estimator for the Time of a Step Change in the Trend of Random Walk Models with Drift” *Quality and Reliability Engineering International Journal*, On-line. 2012, 8p. (V. Tercero, M.C. Temblador M.G. Beruvides and A. Hernandez).
- “Public Transportation Vehicle Maintenance and Regional Maintenance Center: An Analysis for Existing Literature.”. *Engineering Management Journal*, September, 2012, vol. 24, no. 3, pp. 43-51. (Ean-Harn Ng, Mario G. Beruvides, James L. Simonton, Cheng-Chu Chiu-Wei, Rodrigo E. Peimbert-Garcia, Charles F. Winder, Leonidas J. Guadalupe).
- “A Case Study of the Costs of Quality: Water Utilities” in press *Engineering Management Journal*, June, 2012, vol. 24, no.2, pp. 3-14. (M. Banasik and M.G. Beruvides).
- “A Cost of Quality Economic Analysis of a Six Sigma Program at a Government Contractor” *Engineering Management Journal*, June, 2012, vol. 24, no.2, pp. 23-32. (W. Rodin and M.G. Beruvides).
- “An Empirical Study of Large-Sized Companies with Knowledge Work Teams and Their Impacts on Project Team Performance” in press *Engineering Management Journal*, June, 2012, vol. 24, no.2, pp. 54-62. (N. Waters and M.G. Beruvides).
- “Modified Tukey’s Control Chart” *Communications in Statistics Journal*. 2012, Vol. 41, pp. 1566-1579. (V. Tercero, J. Ramirez, E. Cordero, M. Smith and M.G. Beruvides).
- “Integrating Six Sigma Tools using Team Learning Process,” *International Journal of Lean Six Sigma*. 2012, Vol. 3 Iss: 2, pp.133 - 156. (C. Martínez, M.C. Temblador, M.G. Beruvides and J. Farris).
- “Manufacturing Vegetable Oil Based Biodiesel: An Engineering Management Perspective” *Engineering Management Journal*, September 2011, vol. 23, no. 3, 14p. (J.L. Simonton, T. Collins, G. Holt and M.G. Beruvides).
- “Improving the Quality of the Indoor Environment Utilizing Desiccant-Assisted Heating, Ventilating, and Air Conditioning Systems”. *Chemistry, Emission Control, Radioactive Pollution and Indoor Air Quality*, InTech Publishing Co., (ISBN 978-953-307-570-9) 2011, pp. 563-596. (M.D. Larrañaga, E. Karunasena, H.W. Holder, M.G. Beruvides, and D.C. Straus).

- “Performance Patterns in Face-to-Face and Complex Supported Groups” *Team Performance Management Journal*, vol. 17, no. 1/2, 2011, pp. 83 - 101. (P. Pazos and M.G. Beruvides).
- “An Empirical Study Analyzing Traditional Work Schemes versus Work Teams,” *Engineering Management Journal*, Dec., 2010, vol. 21, no. 4, pp. 44-57. (N. Waters and M.G. Beruvides).
- “Site Assessment Instrument for Regional Maintenance Center,” *Journal of Public Transportation*, vol. 13, no. 1, 2010, pp. 39 - 54. (M.G. Beruvides, J.L. Simonton, E.H. Ng, N.M. Waters, S. Chaivichitmalakul, P.Z. Altintas, C.C. Chiu-Wei, P.T. Nash, P. Monn).
- “The Continuing Education of Engineers and Engineering Managers,” *International Journal of Continuing Engineering Education and Life Long Learning*. vol. 19, no. 1, 2009, pp. 4-18. (M.G. Beruvides and E. Ng).
- “The Concept of a Regional Maintenance Center,” *Journal of Public Transportation*, vol. 12, no. 3, 2009, pp. 105-118. (M.G. Beruvides, J.L. Simonton, N.M. Waters, E.H. Ng, S. Chaivichitmalakul, C.C. Chiu-Wei, P.Z. Altintas, P.T. Nash, P. Monn).
- “Trans-disciplinary knowledge sharing of the scholarship of teaching and learning: A review of the current state of the art,” *Professional Studies Review*, vol. 4, no.1, 2008, pp. 12-26. (M.G. Beruvides, R. McDonald, K. St. Amant, E. Ng, and C.C. Chiu-Wei).
- “Economic Decision Modeling for the Consideration of Subjective, Non-Monetary Attributes in HVAC System Selection,” *ASHRAE Journal*, May 2008, pp. 34-40. (M.D. Larrañaga, M.G. Beruvides, H.W. Holder, and D.C. Straus).
- “Pilot Study to Examine The Relationship Between AFIS Fiber Properties And White Speck Occurrence,”reprinted publication of article an th *Journal of Cotton Science*, vol. 11, pp. 159 – 167, in *Fiber2Fashion*, <http://www.fibre2fashion.com/industry-article/8/784/pilot-study-to-examine1.asp>, 2008. (P. Altintas, J.L. Simonton, and M.G. Beruvides).
- “Multi-Scenario Pellet Fuel Manufacturing Operation Utilizing Cotton Waste,” *Journal of Cotton Science*, 2008, vol. 12, pp. 138-142. (G. Holt, J.L. Simonton, and M.G. Beruvides).
- “Pilot Study to Examine The Relationship Between AFIS Fiber Properties And White Speck Occurrence,” *Journal of Cotton Science*, 2007, vol. 11, pp. 159 - 167.. (P. Altintas, J.L. Simonton, and M.G. Beruvides).
- “Structured Group Decision Making in a Web-Based Environment by Using the Nominal Group Technique,” *Computers & Industrial Engineering*, 2007, vol. 52, no. 3, pp. 277-295. (P. Pazos, MG. Beruvides, J.Y. Jian, A.M. Canto, A.S. Sandoval, and R. Taraban).
- “A Study on the Quality-Productivity Relationship and its Verification in Manufacturing Industries,” *Engineering Economist*, 2007, vol. 52,, no. 2, pp. 117 - 140. (W.R. Lee M.G. Beruvides, and Y.F.D. Chiu).
- “Management Theory Déjà Vu? Scientific and Total Quality Management,” in *The Fordism of Ford and Modern Management* vol. I, pt. II, ch. 17, Huw Beynon and Theo Nichols eds., Edward Algar Publishers, 2006. (P.E. Rossler and M.G. Beruvides,).
- “Expert and Novice Operator Comparison with Scanner Based Image Analysis for White Spec Detection on Dyed Yarn,” *Journal of Cotton Science*, 2005, vol. 9, pp. 110 - 114. (J.L. Simonton, M.G. Beruvides, P. Altintas, and K. Kang).
- “The Impact of Human Interaction on Supply Chain Management Practices,” *Performance Improvement Journal*, vol. 44, no. 7, pp.26 – 33, August 2005. (T.C. Maku and T.C. Collins and M.G. Beruvides).

- “Methodology for Detection and Quantification of the White Spec Phenomenom in Cotton Yarn,” *Journal of Cotton Science*, 2004, vol. 8, pp. 205-212. (J.L. Simonton, M.G. Beruvides and D. Ethridge).
- “Professional Development Training for Engineering Managers,” *Engineering Management Journal*, vol. 16, no. 3, September 2004, pp. 3-9. (T.C. Collins, M.G. Beruvides, A.D. Youngblood, and Pilar Pazos).
- “Utilization of Cotton Gin By-Products for the Manufacturing of Fuel Pellet: An Economic Perspective”, *Journal of the American Society of Agricultural Engineers*, Spring 2004, CD-ROM, (Holt, G., Simonton, J.L., Canto, A. and Beruvides, M.G.).
- “Feasibility Study for Constructing and Operating a Facility to Manufacture Fuel Pellets from Cotton By-Products”, *Journal of the American Society of Agricultural Engineers*, Spring 2004, paper no. 031165, CD-ROM, (G. Holt, J.L. Simonton, M.G. Beruvides, and A.M. Canto).
- “Engineering Economic Analysis of a Cotton By-Productg Fuel Pellet Operation,” *Journal of Cotton Science*, vol. 7, no. 4, pp. 205-216, 2003. (G. Holt, J.L. Simonton, A.M. Canto and M.G. Beruvides).
- “An Investigation of the Work Characteristic Composition in Blue-Collar, White-Collar, and Knowledge Work,” *International Journal of Human Resources Development and Management*, vol. 1, no. 2/3/4, pp. 283 – 303, 2001 (M.G. Beruvides and C.P. Koelling).
- “Using Opportunity Costs to Determine the Cost of Quality: A Case Study in a Continuous-Process Industry,” *Engineering Economist*, vol. 43, no. 2, pp. 107-124, 1998, (D.A. Sandoval-Chávez and M.G. Beruvides).
- “Effects of High Labor Turnover in a Serial Assembly Environment,” *International Journal of Production Research*, vol. 35, no. 11, pp. 3201-3223, 1997 (S.T. Hutchinson, J.R. Villalobos, and M.G. Beruvides).
- “An Analysis of Middle Management Work in Now Steady Conditions,” *Computers and Industrial Engineering: An International Journal*, Vol. 31, No. 1/2, pp. 53-57, 1996 (M.G. Vargar and M.G. Beruvides).
- “Technology’s Impact on the Future of Industrial Engineering,” *Computers and Industrial Engineering: An International Journal*, Vol. 31, No. 1/2, pp. 5-8, 1996 (C.P. Koelling, M.G. Beruvides, and K. Tankoonsombut).
- “Re-engineering and the Insanity of Right-Sizing.” *Engineering Management Journal*, Vol. 7, No. 2, pp. 17-22, 1995 (M.G. Beruvides and R.E. Rossler).
- “Group Decision Support Systems and Consensus Building: Issues in Electronic Media,” *Computers and Industrial Engineering: An International Journal*, vol. 30, no. 1/2, pp. 601-605, 1995 (M.G. Beruvides).
- “An Educational Framework for Course Development,” *International Journal of Engineering Education*, Vol. 10, No. 3, pp. 249-260, 1994 (M.G. Beruvides and C.P. Koelling).
- “Thoughts on a Thinker: W. Edwards Deming,” *Engineering Management Journal*, Vol. 6, No. 2, p. 3, 1994 (M.G. Beruvides and P.E. Rossler).
- “Management Theory Deja Vu: Scientific and Total Quality Management,” *Engineering Management Journal*, Vol. 6, No. 2, pp. 6-15, 1994 (P.E. Rossler and M.G. Beruvides).
- “A Review of the State-of-the-Art Research on White-Collar/Knowledge Worker Productivity,” *International Journal of Technology Management*, Vol. 5, No. 3, pp. 337-355, 1990 (D.J. Sumanth, V.K. Omachonu, and M.G. Beruvides).

Refereed Conference Proceedings

- “Expanding the definition of quality costs beyond the conformance and nonconformance dichotomy,” *PICMET Annual Conference Proceedings*, Portland OR, 6p., 2017. (A. Elizondo-Noriega, D. Güemes, and M.G. Beruvides).
- “An Historical Analysis Of The Evolution In The Economics Of Quality: The Cost Of Quality Revisited,” *PICMET Annual Conference Proceedings*, Portland OR, 4p., 2017. (A. Elizondo-Noriega, D. Güemes, and M.G. Beruvides).
- “A Mexican National Entrepreneurship And Innovation System Study Proposal,” *PICMET Annual Conference Proceedings*, Portland OR, 9p., 2017. (A. Elizondo-Noriega, D. Güemes, and M.G. Beruvides).
- “An analysis on the prevention, appraisal, and failure model in COQ: Convergences and contradictions,” *ISERC Annual Conference Proceedings*, Pittsburg, PA, 5p., 2017. (A. Elizondo-Noriega, D. Güemes, and M.G. Beruvides).
- “Remarks on estimating the remaining useful life of an asset in the presence of condition variable changes,” *ISERC Annual Conference Proceedings*, Pittsburg, PA, 5p., 2017. (D. Barraza, V. Tercero, E. Cordero, and M.G. Beruvides).
- “HILF Event System Dynamics Modeling of Protracted Electrical Outages,” *ISERC Annual Conference Proceedings*, Pittsburg, PA, 6p., 2017. (E. Easton, A. Jackman, and M.G. Beruvides).
- “An Economic Framework for Adaptive Wastewater Reuse for Future Crop Production Sustainability,” *ISERC Annual Conference Proceedings*, Pittsburg, PA, 5p., 2017. (J. Cantu, M.G. Beruvides, and C. Fedler).
- “Economic effects in emergency management during the last decade,” *ISERC Annual Conference Proceedings*, Pittsburg, PA, 6p., 2017. (K. Renken, M.G. Beruvides, and A. Jackman).
- “Regression Approach to Estimating Control Limits for Individuals,” *ISERC Annual Conference Proceedings*, Pittsburg, PA, 6p., 2017. (M. Salazar, V. Tercero, E. Cordero, and M.G. Beruvides).
- “The Dynamics between Working Capital Management and Total Productivity Management,” *ISERC Annual Conference Proceedings*, Pittsburg, PA, 6p., 2017. (N. Tiruvengadam and M.G. Beruvides).
- “Analysis of Potential Green-House Effects on Saudi Arabian Electricity Demand,” *ISERC Annual Conference Proceedings*, Pittsburg, PA, 6p., 2017. (R. Alahmadi and M.G. Beruvides).
- “Analyzing the Challenging Growth of Energy Consumption in Saudi Arabia,” *ISERC Annual Conference Proceedings*, Pittsburg, PA, 5p., 2017. (R. Alahmadi and M.G. Beruvides).
- “An Examination of Behavioral Economic *Nudges* in Technical Management,” *ISERC Annual Conference Proceedings*, Pittsburg, PA, 6p., 2017. (R. Burgess and M.G. Beruvides).
- “Educational Management: An Application of Research for Educational Outreach Programs,” *ASEE-GSW Section Annual Conference Proceedings*, Dallas, TX, 10p., 2017. (K. Smith, and M.G. Beruvides).
- “Innovation and the Cost of Quality: Analysis and Implications of Current Research,” *ASEM Annual Conference Proceedings*, Charlotte, NC, 10p., Oct. 26-29, 2016. (A. Elizondo-Noriega, D. Güemes, and M.G. Beruvides).
- “Multi-factor Performance Measures and the Theory of Constraints: A Literature Review,” *ASEM Annual Conference Proceedings*, Charlotte, NC, 10p., Oct. 26-29, 2016. (G. Fondaw, J. Cantu, and M.G. Beruvides).
- “Total Productivity: An Analysis and Discussion on the Nature of Inputs and Outputs,” *ASEM Annual Conference Proceedings*, Charlotte, NC, 9p., Oct. 26-29, 2016. (N. Tiruvengadam and M.G. Beruvides).

- “Interventions to Restrain the Challenging Growth of Energy Consumption in Saudi Arabia,” *ASEM Annual Conference Proceedings*, Charlotte, NC, 9p., Oct. 26-29, 2016. (R. Alahmadi and M.G. Beruvides).
- “A Comprehensive Review of Entrepreneurship Course Offerings in Engineering Programs,” *ASEE Annual Conference Proceedings*, New Orleans, LA, 12p., June 26-29, 2016. (J. Gandhi, J. Cross, and M.G. Beruvides).
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- “Isomorphological Analysis: The Tough Knocks of Experience Found Through Practice,” *ASEM Annual Conference*, Bloomington, MN, October 2-5, 2013. (J. Cantu and M.G. Beruvides).
- “Measuring the Quality of Emergency Management,” *ASEM Annual Conference*, Bloomington, MN, October 2-5, 2013. (A. Jackman and M.G. Beruvides).
- “Engineering Management Literature Content Revisited,” *ASEM Annual Conference*, Bloomington, MN, October 2-5, 2013. (C. Eseonu, L. Guadalupe and M.G. Beruvides).
- “Monitoring Dynamic Systems: Theoretical Development of the Self-Starting CUSUM for Non-Zero Slope Behavior,” *ASEM Annual Conference*, Bloomington, MN, October 2-5, 2013. (L. Guadalupe, V. Tercero, E. E. Cordero, and M.G. Beruvides).

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- “High Reliability Organization Research: Transforming Theory into Practice, A Literature Review for Healthcare,” *ASEM Annual Conference*, Bloomington, MN, October 2-5, 2013. (J. Tolk, J. Cantu and M.G. Beruvides).
- “Behavioral Economics: A State of the Art Matrix Analysis,” *ISERC Annual Conference*, Orlando, FL, May 19-23, 2012. (L. Guadalupe and M.G. Beruvides).
- “An Economic Framework for Total Productive Maintenance (TPM),” in *ISERC Annual Conference*, Orlando, FL, May 19-23, 2012. (R. Peimbert, J. Limon and M.G. Beruvides).
- “Monitoring Quadratic Behavior with Non-Constant Variability,” *ISERC Annual Conference*, Orlando, FL, May 19-23, 2012. (J. Ramirez, M.C. Temblador and M.G. Beruvides).
- “CMMI for Services and Transactional Six Sigma: A new Perspective,” *ISERC Annual Conference*, Orlando, FL, May 19-23, 2012. (M.C. Temblador, J. Ramirez and M.G. Beruvides).
- “Comprehensive Systems Modeling Approach To High Reliability Organizations,” *ASEM Annual Conference*, Virginia Beach, VA, October 17-20, 2012. (M.G. Beruvides, J. Cantu, J. Simonton, J. Tolk, M. Bromely, and K. McElwain).
- “Isomorphism’s within lumber and cotton futures,” *ASEM Annual Conference Proceedings*, Virginia Beach, VA, October 17-20, 2012. (J. Cantu and M.G. Beruvides).
- “Using Quantitative Analysis to Establish a Basis for a High Reliability Organization,” *ASEM Annual Conference*, Virginia Beach, VA, October 17-20, 2012. (K. McElwain, M. Bromely, J. Cantu, J. Tolk, P. Patterson, J. Simonton, and M.G. Beruvides).
- “Tragedy of Commons: Self-interest, at The Expense of The System,” *ASEM Annual Conference*, Virginia Beach, VA, October 17-20, 2012. (L. Guadalupe and M.G. Beruvides).
- “State-of-the-Art Matrix Analysis of Total Productive Maintenance (TPM),” *ASEM Annual Conference*, Virginia Beach, VA, October 17-20, 2012. (R. Peimbert, J. Limon and M.G. Beruvides).
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- “The Impact of Usability on the Cost of Quality,” *ASEM Annual Conference*, Virginia Beach, VA, October 17-20, 2012. (B. Aydin, H. Palikhe and M.G. Beruvides).
- “Uses and Abuses of Control Charts,” *ASEM Annual Conference*, Lubbock, TX, October 19-22, 2011. (J. Ramirez, M.C. Temblador, and M.G. Beruvides).
- “Major problems of Cost of Quality Evaluation in the Electric Utility Industry,” *ASEM Annual Conference*, Lubbock, TX, October 19-22, 2011. (H. Palikhe and M.G. Beruvides).
- “Cost of Quality and Lean Process Improvement,” *ASEM Annual Conference*, Lubbock, TX, October 19-22, 2011. (R. Peimbert, J. Limon, C. Winder, and M.G. Beruvides).
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- “High Reliability Operations :Systems Dynamic and Economic Analysis Modeling of B&W Pantex High Explosive Operations,” *ASEM Annual Conference*, Lubbock, TX, October 19-22, 2011. (M. Bromley, K. McElwain, E. Ng, J. Simonton, and M.G. Beruvides).
- “A State-of-the-Arte Matrix Analysis of Economic Indicators Modeling,” *ASEM Annual Conference*, Lubbock, TX, October 19-22, 2011. (J. Calvo, M.C. Temblador, and M.G. Beruvides).
- “Lesson Learned: Attributes that Stimulate Multidisciplinary and Vertically-Integrated Engineering Student Teams,” *ASEM Annual Conference*, Lubbock, TX, October 19-22, 2011. (E.Y. Ng, A. Hanson, and M.G. Beruvides).
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- “The Use of Systems Approach at the Analyze Phase in Transactional Six Sigma Projects,” *IERC Annual Conference*, Reno, Nevada, May 21-25, 2011. (M.C. Temblador,, G. Caffarel, and M.G. Beruvides).
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- “Theoretical Foundation and Practical Application of High Reliability Organization,” *High Reliability Organization Conference*, April 2011, Washington DC, (J. Tolk, R. Hartley, M.G. Beruvides, and E. Ng).
- “Simbiosis of Leadership Styles,” *41 congreso de Investigación y Desarrollo Annual Conference*, Monterrey, México, 2010. (M.C. Temblador, and M.G. Beruvides).
- “A Further Exploration of Technorganic Simbiosis in Organizations,” *41 congreso de Investigación y Desarrollo Annual Conference*, Monterrey, México, , 2010. (M.C. Temblador, and M.G. Beruvides).
- “Green Manufacturing: A Discussion of Environmental Performance Evaluation,” *ASEM Annual Conference*, Rogers, AR., October 13-16, 2010. (C.C. Chiu-Wei, M.G. Beruvides, and James Simonton).
- “Change Point Analysis for Slope Variability,” *ASEM Annual Conference*, Rogers, AR., October 13-16, 2010. (V.M. Tercero, M.C. Temblador, A. Hernández, and M.G. Beruvides).
- “A Interactive Management: A Practical Perspective to Address Complex Problems,” *ASEM Annual Conference*, Rogers, AR., October 13-16, 2010. (M.C. Temblador, J.G. Ramirez, and M.G. Beruvides).
- “Opportunity Cost: A Review of the Literature,” *ASEM Annual Conference*, Rogers, AR., October 13-16, 2010. (E.H. Ng and M.G. Beruvides).
- “A Systems Dynamic Approach to Modeling Complex Economic Problems,” *ASEM Annual Conference*, Rogers, AR., October 13-16, 2010. (M.C. Temblador, J. Calvo, and M.G. Beruvides).
- “A Case Study Questionnaire of Cooperative Purchasing Programs in Transportation,” *ASEM Annual Conference*, Rogers, AR., October 13-16, 2010. (J.L. Simonton, M.G. Beruvides, N.M. Waters, S. Chaivichitmalakul, and H. Palihke).

- “Measuring Team Performance Through Knowledge Management Processes,” *ASEM Annual Conference*, Rogers, AR., October 13-16, 2010. (N.M. Waters, and M.G. Beruvides).
- “Clustering Approach for Slope Change Detection in Trended Data,” *Industrial Engineering Research Conference*, Cancún, México, June 5-9, 2010. (V.M. Tercero, A. Hernández, M.C. Temblador and M.G. Beruvides).
- “Conjectural Variation Equilibrium in Oligopoly Electricity Models,” *Industrial Engineering Research Conference*, Cancún, México, June 5-9, 2010. (E. Cordero, V. Kalashnikov, and M.G. Beruvides).
- “Development of a Support Tool for Six Sigma Training,” *Industrial Engineering Research Conference*, Cancún, México, June 5-9, 2010. (J.G. Ramírez-Galindo, M.C. Temblador and M.G. Beruvides).
- “Understanding the Behavior of Time-Dependent Variables for Living Systems,” *Industrial Engineering Research Conference*, Cancún, México, June 5-9, 2010. (J.G. Ramírez-Galindo, M.C. Temblador and M.G. Beruvides).
- “QFD and Six Sigma: An Integrative Approach,” *15th International Symposium on Quality Function Deployment*, Menterrey, México, Oct. 21-23, 2009. (M.C. Temblador and M.G. Beruvides).
- “Six Sigma for Support Areas,” *ASEM Annual Conference*, Springfield, MO., 2009. (M.C. Temblador, J.G. Ramirez and M.G. Beruvides).
- “Systems Approach to Problem Solving using Six Sigma,” *ASEM Annual Conference*, Springfield, MO., 2009. (M.C. Temblador and M.G. Beruvides).
- “Control Charts as the preferred Measurement Tool for Complex Systems,” *ASEM Annual Conference*, Springfield, MO., 2009. (D. McGrath and M.G. Beruvides).
- “The effect of computing technology on the research concerning the multiple rate of return problem,” *ASEM Annual Conference*, Springfield, MO., 2009. (E.H. Ng and M.G. Beruvides).
- “A Preliminary Analysis of Cost of Quality in Electric Utilities,” *ASEM Annual Conference*, Springfield, MO., 2009. (H. Palenke, M.G. Beruvides and E.H. Ng).
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- “Challenges in Managing Emergency Planning in Local and Regional Government.,” *ASEM Annual Conference*, West Point, N.Y., 2008, (A. Jackman and M.G. Beruvides).
- “Cost of quality economics of green manufacturing,” *ASEM Annual Conference*, West Point, N.Y., 2008, (C.C. Chiu-Wei and M.G. Beruvides).
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- “Quantitative analysis of complex systems: An example using mutual fund performance data,” *ASEM Annual Conference*, West Point, N.Y., 2008, (D. McGrath, M.G. Beruvides and M.C. Temblador).
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- “A further exploration of technorganic symbiosis in organizations,” *ASEM Annual Conference*, West Point, N.Y., 2008, (M.G. Beruvides and M.C. Temblador).
- “The Modification of Eco-efficiency Indicators with Embedded Eco-Indicators and Cost of Quality,” *Industrial Engineering Research Conference Conference*, Vancouver, Canada, 2008. (C.C. Chiu-Wei, M.G. Beruvides, and J.L. Simonton).
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- “Systemic Understanding of Stock Market Index Behavior Using Control Theory,” *ASEM Annual Conference*, Nashville, TN, 2007, (M.G. Beruvides and L.A. Barroso).
- “Organizations as Technorganic Symbiotic Systems,” *ASEM Annual Conference*, Nashville, TN, 2007, (M.G. Beruvides and A.M. Canto).
- “Multiple IRR: Combining Internal/External Fund Optimization, Risk and Opportunity Losses,” *ASEM Annual Conference*, Nashville, TN, 2007, (E. Ng and M.G. Beruvides).
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- “Rationalizing the use of Emotion as a Predictor of Technology Imprints,” *ASEM Annual Conference* Huntsville, AL, 2006, (H. Besheer and M.G. Beruvides).
- “Effects of Aggressive Card Treatments,” *Beltwide Cotton Conferences*, National Cotton Council of America, San Antonio, 2006. (Barroso L.A., J.L. Simonton, and M.G. Beruvides).
- “Pilot Study on Examining the Relationship between AFIS Fiber Properties and White Spec Occurance,” *Beltwide Cotton Conferences*, National Cotton Council of America, San Antonio, 2006. (Altintas, P.S., J.L. Simonton, and M.G. Beruvides).
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- “Effects of Repeated use of a Group Support System on Performance Patterns,” *ASEM Annual Conference*, Virginia Beach, VA., 2005, (P. Pazos and M.G. Beruvides).
- “Exploring Technology Imprints and Identifying Additudinal Differences Between Egyptian and American Internet Users,” *ASEM Annual Conference*, Virginia Beach, VA., 2005, (H. Besheer and M.G. Beruvides).
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- “Application of Engineering and Management Principles to Improve Cotton’s Position as a Quality Raw Material,” *ASEM Annual Conference*, Virginia Beach, VA., 2005, (J.L. Simonton and M.G. Beruvides).
- “Impacto en la Transición de Poder: Un Estudio Piloto sobre la economía Mexicana,” *Congreso de Ingeniería Industrial – Instituto Tecnológico de Mérida*, Merida, México, November 2005. (L. Barroso).
- “Turning Point Economics: A Micro-Economic Analysis of Trend Fluctuation,” *Industrial Engineering Research Conference*, Houston, Texas, 2004. (M.G. Beruvides, and A.M. Canto).
- “Bioterrorism Preparedness in Health Care Systems via Simulation Modeling,” *Industrial Engineering Research Conference*, Houston, Texas, 2004. (E.J. Montes, T.R. Collins, M.G. Beruvides, and X. Ouyang).
- “The Case for Using Fun in Building Depth of Thought and Involvement in Engineering Education,” *American Society for Engineering Education – Gulf Southwest Conference*, Lubbockn, Texas, 2004, (M.G. Beruvides).
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- “The Chunking of Course Material Delivery and Evaluation: A Case for Information Processing Management and Evaluation,” *American Society for Engineering Education – Gulf Southwest Conference*, Lubbock, Texas, 2004, (M.G. Beruvides, and P. Pazos).
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- “A Performance Model for Multiple and Simultaneous Projects,” *Industrial Engineering Research Conference*, Houston, Texas, 2004. (T.R. Collins, E.J. Montes, M.G. Beruvides, and T.C. Maku).
- “A Multi-Scenario Case Study of a Fuel Pellet Manufacturing Operation Utilizing Cotton Waste,” in *Proceedings of the Beltwide Cotton Conferences*, National Cotton Council of America, San Antonio, TX, 2004, CD-ROM, 8p. (A.M. Canto, Y.F.D. Chiu, P.Z. Altintas, A.S. Sandoval, M.G. Beruvides, G. Holt, J.L. Simonton, and S. Shields).
- “Situational Awareness Through a Cultural-Decision Lens,” *ASEM Annual Conference*, St. Louis, MO, 2003, (M.G. Beruvides and A. Sandoval).
- “Addressing the Efficiency of a Web-based Environment for Group Decision Making,” *ASEM Annual Conference*, St. Louis, MO, 2003, (P. Pazos, J.Y. Jian, A.M. Canto, A. Sandoval, and M.G. Beruvides).
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- “Towards Mental Learning of Knowledge Workers Using Computer-Based Puzzles: A Preliminary Study,” *ASEM Annual Conference*, Tampa, Florida, 2002, (J.Y. Jian, M.G. Beruvides and R. Taraban).

- “A Case Study in Production Line Assessment Using Simulation,” *ASEM Annual Conference*, Tampa, Florida, 2002. (M. Banasik, M.G. Beruvides, Y. Chang, M. Smith and H.C. Zhang).
- “Information and Knowledge Management in Teams,” *10th International Conference on Management of Technology*, Miami Beach , Florida, January, 2002. (A.M. Canto, A.S. Sandoval, and M.G. Beruvides).
- “Cost of Systems Quality: A New Approach to the Cost of Quality in Organizations,” *10th International Conference on Management of Technology*, Miami Beach , Florida, January, 2002. (Y.F.D. Chiu and M.G. Beruvides).
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- “The Multiple Resource Constrained Scheduling (MRCS) Problem,” *International Conference on the Management of Technology*, Orlando, Florida, 1998, (E.J. Montes, M.L. Smith, S.D. Liman, and M.G. Beruvides).
- “A Non-parametric Quality-Productivity Relationship Model,” *International Conference on the Management of Technology*, Orlando, Florida, 1998, (W.R. Lee and M.G. Beruvides).
- “Multiple Resource Constrained Scheduling Problems,” *INFORMS Conference*, Seattle, Washington 1998, (E. Montes, M. Smith, S. Liman, and M.G. Beruvides).
- “La Propensión del Sesgo No-Intencional a Corromper Sistemas Simples de Medición: Un Estudio Preliminar del ‘Pygmalion Defect,’” *Encuentro Internacional de Ergonomía*, Merida, México, December, 1997, (M.R. James and M.G. Beruvides).
- “On the Probability of Improvement,” *ASEM Annual Conference*, Virginia Beach, Virginia, (P.E. Rossler and M.G. Beruvides).
- “Reliability of Human-Attended 100 Percent Inspection Systems: A Cost of Quality Perspective,” *ASEM Annual Conference*, Virginia Beach, Virginia, (D.A. Sandoval-Chávez and M.G. Beruvides).
- “The Pygmalion Deffect: Measurement Systems Corruptibility under Conditions of Innocent Bias,” *ASEM Annual Conference*, Virginia Beach, Virginia, (M.G. Beruvides and M.R. James).
- “Rank-Based Quality-Profit Relationship Model and Its Application,” *ASEM Annual Conference*, Virginia Beach, Virginia, (W.R. Lee and M.G. Beruvides).
- “Confiabilidad de sistemas de Inspección Humana 100%: Una Perspectiva de Costos de Calidad,” *XI Simposium Internacional de Ingeniería Industrial*, Cd. Juárez, México, 1997, (D.A. Sandoval-Chávez and M.G. Beruvides).
- “The Importance of Opportunity Costs in Organizations: A Cost of Quality Perspective *International Conference on the Management of Technology*, Gotenberg, Sweden, 1997 (M.G. Beruvides and D.A. Sandoval-Chávez).
- “A State of the Art Matrix Analysis of the Cost Related to Quality,” *International Conference on the Management of Technology*, Gotenberg, Sweden, 1997 (D.A. Sandoval-Chávez and M.G. Beruvides).
- “Multimedia Application on the Internet,” *ASEE Annual Conference*, Milwaukee, WI, 1997, (C.P. Koelling, T. Veith, and M.G. Beruvides).
- “Perceptions from the Trenches: Engineering Management vs. MBA,” *ASEE Annual Conference*, Milwaukee, WI, 1997, (M.G. Beruvides).
- “Exploration on the Relationship Between Utility, Quality, and Productivity,” *Sixth Industrial Engineering Research Conference*, Miami, FL, 1997, (W.R. Lee and M.G. Beruvides).
- “A Conceptual Model for the Understanding of White-Collar / Knowledge Work Learning Curves,” *Sixth International Conference on Productivity and Quality Research*, Houston, TX, 1997, (M.G. Beruvides).
- “Development and Analysis of a Productivity-Quality-Benefit Model,” *Sixth International Conference on Productivity and Quality Research*, Houston, TX, 1997, (W.R. Lee and M.G. Beruvides).

- “Opportunity Quality Cost in Continuous Process Environment: A Field Study,” Sixth International Conference on Productivity and Quality Research, Houston, TX, 1997, (D.A. Sandoval-Chavez and M.G. Beruvides).
- “Tarzan in the 90s: Revisiting the Management Theory Jungle,” *ASEM Annual Conferences*, Dallas, TX, 1996, (M.G. Beruvides and P.E. Rossler).
- “Strategies for Coping with the Internet: A Survey of Engineers,” *ASEM Annual Conference Proceedings*, Dallas, TX, 1996, (K. Hill and M.G. Beruvides).
- “An Analysis of Middle Management Work in Now Steady Conditions,” *Computers and Industrial Engineering Annual Conference*, Miami, FL., 1996 (M.G. Vargar and M.G. Beruvides).
- “Technology’s Impact on the Future of Industrial Engineering,” *Computers and Industrial Engineering Annual Conference*, Miami, FL., 1996 (C.P. Koelling, M.G. Beruvides, and K. Tankoonsombut).
- “A Case Study of the Factors Influencing the Productivity of Manufacturing Operations in a Maquiladora Organization,” *X Simposium Internacional de Ingenieria Industrial*, Juárez, México, 1996, (D. DeHoyos and M.G. Beruvides).
- “A View on Instruction: The Economics of it All,” in *ASEE Annual Conference*, Washington, D. C., 1996 (M.G. Beruvides and C.P. Koelling).
- “Strong Inference: The Continuous Improvement of Engineering Management,” in *ASEE Annual Conference*, Washington, D. C., 1996 (M.G. Beruvides and C.P. Koelling).
- “Modelo Conceptual para la Comprension de las Curvas de Aprendizaje en el Trabajo Mental,” *Primer Simposium Internacional de Eronomía y Ingenieria Industrial*, Aguascalientes, México, 1996, (M.G. Beruvides).
- “Evaluating the Probability of Effective Implementation,” *ASEM Annual Conference*, Washington, D. C., 1995 (P.E. Rossler and M.G. Beruvides).
- “Análisis de las Dimensiones del Trabajo Humano: Evolución y Características de la Labor Industrial,” *IX Simposium Internacional de Ingenieria Industrial*, Juárez, México, 1995 (M.G. Beruvides).
- “Industrial Engineering Undergraduate Curriculum: A Project Management Perspective,” *ASEE Annual Conference Proceedings*, Anaheim, CA., 1995 (M.G. Beruvides and C.P. Koelling).
- “An Evaluation of Engineering Management Graduate Curriculum: Content in the Reduction of Uncertainty,” *ASEE Annual Conference Proceedings*, Anaheim, CA., 1995 (M.G. Beruvides).
- “Analysis de las Dimensiones del Trabajo Humano: Evolución y Características de la Labor Industrial,” to be published in the *IX Simposium de Ingenieria Industrial*, Juarez, Mexico, 1995 (M.G. Beruvides).
- “Evaluating the Probability of Effective Implementation,” *ASEM Annual Conference*, Washington, DC, 1995 (P.E. Rossler and M.G. Beruvides).
- “A Total Productivity Analysis of a Maquiladora Operation Along the U.S./Mexican Border,” MAES National Symposium, Los Angeles, CA, 1995 (D. DeHoyos and M.G. Beruvides).
- “Group Decision Support Systems and Consensus Building: Issues in Electronic Media,” 17th International Conference on Computers and Industrial Engineering, Phoenix, AZ, 1995 (M.G. Beruvides).
- “Restructuring the Freshman Year in Engineering at UTEP,” *Frontiers in Education Conference*, 1995 (S. Starks, M. Beruvides, W. Fisher, V. Kreinovich, S. Pinon, M. Robbins, C. Turner, W. Turner, and E. Villa).

- “An Evaluation of Methods Engineering: Content and Curriculum,” *ASEE Annual Conference*, 1994, (M.G. Beruvides and C.P. Koelling).
- “Reengineering: The Rightsizing of Insanity or the Cow that Would be A Horse,” ASEM Conference, Washington, DC, 1994 (M.G. Beruvides and P.E. Rossler).
- “An Evaluation of Methods Engineering: Content and Curriculum,” ASEE Annual Conference, Edmonton, Canada, 1994 (M.G. Beruvides and C.P. Koelling).
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- “The More Things Improve, the More They Stay the Same: Scientific and Total Quality Management,” ASEM Annual Conference, Dallas, TX, 1993 (P.E. Rossler and M.G. Beruvides).
- “Technology Space Mapping of Tools: A Management Issue in Understanding Work,” Fourth International Conference on Productivity and Quality Research, Miami, FL, 1993 (M.G. Beruvides and C.P. Koelling).
- “White-Collar Work: A Classification of Clerical Endeavors,” Fourth International Conference on Productivity and Quality Research, Miami, FL, 1993 (W.V. Yarbrough, C.P. Koelling, and M.G. Beruvides).
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- “Management Tools: A Technological Issue in White-Collar/Knowledge Work,” Third International Conference on Management of Technology, Miami, FL, 1992 (M.G. Beruvides and C.P. Koelling).
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- “White-Collar/Knowledge Work Productivity Monitoring for Interdependent Functions with no Measurable Output,” International Industrial Engineering Conference Proceedings, Toronto, Canada, 1989 (V.K. Omachonu and M.G. Beruvides).
- “Improving Hospital Productivity: Patient-, Unit-, and Hospital-Based Measures,” International Industrial Engineering Conference Proceedings, Toronto, Canada, 1989 (V.K. Omachonu and M.G. Beruvides).
- “A Conceptual Framework of Work: The Measurement of White-Collar/Knowledge Productivity,” Second International Conference on Productivity Research, Miami, FL, 1989 (M.G. Beruvides, V.K. Omachonu, and D.J. Sumanth).
- “Knowledge Work: A Conceptual Analysis and Structure,” First International Conference on Productivity Research, Miami, FL, 1987 (M.G. Beruvides and D.J. Sumanth).

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China Patent Number ZL201080039704.X, “Modularized System & Method for Urea Production Using Stranded Natural Gas,” awarded 2016.

Mexico Patent Number 335922, “Modularized System & Method for Urea Production Using Stranded Natural Gas,” awarded 2016.

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U.S. Patent Number 8,618,325, “Modularized System and Method for Urea Production Using a Bio-Mass Feedstock,” awarded December 31, 2013.

Canada Patent Number 1, 287,325, “Anticocking High Torque Removal Closure Assembly,” awarded August 6, 1991.

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Patent Pending:

Brazil Patent Application Number P10918001-0, “Modularized System and Method for Urea Production Using a Bio-Mass Feedstock,” Pending, 2015.

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India Patent Application Number 344/MUMNP/2012, “Modularized System & Method for Urea Production Using Stranded Natural Gas,” Pending, 2015.

BOOKS, BOOK CHAPTERS, & PUBLISHED TECHNICAL REPORTS

Disaster Policy and its Practice in the United States: A Brief History and Analysis, Momentum Press LLC., New York, 2017, (Andrea Jackman, M.G. Beruvides, and Gary Nestler)

Technical Report – “High Reliability Operations Research Project: Systems Dynamic and Economic Analysis Models for B& W Pantex Plant High Explosives Operations.,” Technical Report 3-133. Sponsored by B7W Pantex/ Department of Energy, January 31, 2013, 114p. (Mario Beruvides, Janice Tolk, Kurt McElwain, Michael Bromley, Jaime Cantu, Patrick Patterson, and James Simonton)

“Hazard Mitigation Planning in the United States: Historical Perspectives, Cultural Influences, and Current Challenges”. Book Chapter in *Approaches to Disaster Management - Examining the Implications of Hazards, Emergencies and Disasters*, InTech Publishing Co., 2013, pp. 55-79. (Andrea Jackman and M.G. Beruvides)

“Improving the Quality of the Indoor Environment Utilizing Desiccant-Assisted Heating, Ventilating, and Air Conditioning Systems”. Book Chapter in *Air Quality – Book III*, InTech Publishing Co., (ISBN 978-953-307-570-9) 2011, pp. 563-596. (M.D. Larrañaga, E. Karunasena, H.W. Holder, M.G. Beruvides, and D.C. Straus) Chemistry, Emission Control, Radioactive Pollution and Indoor Air Quality

Technical Report – “Quantifying the Purchasing Power of Public Transportation in Texas: Technical Report.,” Technical Report 0-6194-1. Sponsored by the Texas Department of Transportation, July 2010, 236p. (Linda Cherrington, Mostafa Malki, Mario Beruvides, James Simonton, Natalie Waters, Siva Chaivichitmalakul, Himlona Palikhe, and John Walewski)

“Management Theory Déjà Vu? Scientific and Total Quality Management,” in *The Fordism of Ford and Modern Management* vol. I, pt. II, ch. 17, Huw Beynon and Theo Nichols eds., Edward Algar Publishers, 2006. (P.E. Rossler and M.G. Beruvides,).

An Investigation of the Universe and Anatomy of Work, Ph.D. Dissertation, Virginia Polytechnic Institute and State University, University Microfilms International Publishers #9428633, Ann Arbor, Michigan, 1993. (M.G. Beruvides,).

A Computer Interface for Direct Numerical Control in CIM, Masters Thesis, University of Miami, Coral Gables, Florida, 1988. (M.G. Beruvides,).

INVITED PAPERS, PRESENTATIONS AND SHORT COURSES

“Ambiente de la Gestion de Ingenieria,” Short Course – Universidad Blas Pascal, July 28-August 05, 2017, Cordoba, Argentina.

“Engineering Ethics: The Concept of Commensurability and Incommensurability in the Realm of Ethics,” Invited Lecture, ENGR2392 – Nov. 17, 2015, Civil Engineering Dept, Texas Tech University, Lubbock, TX.

“Systems Dynamics Short Course Theory & Practice (with VENSIM Programming),” Short Course – Pantex Corporation, August 18-19, 2014, Lubbock, Texas.

“Organizations as Technorganic Symbiotic Systems,” Invited lecture presented at – ITESM (Instituto Tecnológico de Monterrey), May 8, 2014: Monterrey, México.

“Systems and Engineering Management: Program Description and Research Areas,” Invited lecture presented at – ITESM (Instituto Tecnológico de Monterrey), May 9, 2014: Monterrey, México.

“Measuring the Quality of Emergency Management”. Invited lecture presented at – UTPA-FIRE 2014 Symposium, Edinburg, TX, April 14, 2014. (Andrea Jackman, M.G. Beruvides)

“Systems Dynamics Theory And Practice (VENSIM Programming),” Short Course – Pantex Corporation, August 30-31, 2012, Lubbock, Texas.

“Systems approach to research management,” distance education course – ITESM (Instituto Tecnológico de Monterrey), June 1 – 30, 2010: Monterrey, México.

“Systems Engineering and the Future of Industrial Engineering,” Invited lecture and Round Table Discussion at the ITESM (Instituto Tecnológico de Monterrey), Aug 20, 2009: Monterrey, México.

“Stranded Natural Gas to Fertiliser Research,” Invited presentation given to representatives of the Ministry of Agriculture, Government of Ecuador & Ecuadorian industrialists, June 15, 2009: Quito Ecuador.

“Biomass to Fertiliser Research,” Invited presentation given to representatives of the Ministry of Agriculture, Government of Ecuador & Ecuadorian industrialists, June 14, 2009: Quito Ecuador.

“Systems approach to research management,” Invited short course/seminar given at the ITESM (Instituto Tecnológico de Monterrey), May 12-16, 2008: Monterrey, México.

“An analysis of the cost of hazard mitigation planning in local and regional government,” Invited lecture at the ITESM (Instituto Tecnológico de Monterrey), May 16, 2008: Monterrey, México.

“The Future of Systems in EM: A Humble Perspective,” Invited Panelist at the ASEM (American Society on Engineering Management) Annual Conference, October, 2007: Chattanooga, TN.

“Management Theory Déjà Vu? Scientific and Total Quality Management,” in *The Fordism of Ford and Modern Management* vol. I, pt. II, ch. 17, Huw Beynon and Theo Nichols eds., Edward Algar Publishers, 2006. (P.E. Rossler and M.G. Beruvides,). [Note- Since this is a refereed paper it is also listed above in the refereed publications section and is also a book chapter. This paper was selected amongst the best technical management papers of the last 25 years and published in this volume.]

“La influencia de factores culturales en la teoría de decisiones,” *Instituto Cultural Hispano-Americano - University of Miami*, Invited lectura, Koubek Center, Miami, FL, July 14, 2006. (M.G. Beruvides).

“The Engineer as Manager and Leader,” Center for Professional Development - College of Business, Texas Tech University, San Antonio, TX, August 22-23, 2002.

“Metacognition, Problem Solving, and Decision Making: A Preliminary Study Using Computer-Based Puzzles,” *Texas Tech University, Department of Psychology Applied Cognitive Brown Bag Lecture Series*, Lubbock, Texas, May 3, 2002, (J.J. Jian, M.G. Beruvides, And R. Taraban).

“The Engineer as Manager and Leader,” Center for Professional Development - College of Business, Texas Tech University, San Antonio, TX, September 6-7, 2001.

“Contraste entre la Administración del Comportamiento de la Organización y la Administración de la Calidad Total,” *Congreso Internacional de Ingeniería Industrial*, Colima, México, 2000, (P.H. Mills and M.G. Beruvides).

“Estudio Sobre la Medida de Productividad y Rendimiento de un Laboratorio Industrial,” *XV Congreso Internacional de Ingeniería Industrial*, Puebla, México, 1999, (M.G. Beruvides).

“La Corrupción de un Sistema de Medición debido a una Influencia No-Intencional: Un Estudio Preliminar Macro-Ergonómico,” *IX Simposium, Semana Internacional de Ingeniería Industrial*, Chihuahua, México, 1999, (M.G. Beruvides).

“Investigación: Un Enfoque de Administración de Proyecto,” *Four Day Short Course*, Ciudad Juárez, Mexico, April, 1997 (M.G. Beruvides).

“A Project Management Approach to Research,” *Four Day Short Course*, Aguascalientes, Mexico, September 1996 (M.G. Beruvides).

“Engineering in the Future,” *Society of Women Engineers Region C Conference*, El Paso, TX, March 1996 (M.G. Beruvides).

“El Trabajo y el Ingeniero Industrial: Características e Evolución del Concepto de la Labor Industrial,” *SEP X Concurso Nacional de Creatividad*, Agujita, Mexico, 1995 (M.G. Beruvides).

“Work and the Industrial Engineer: An Analysis of the Characteristics and Evolving Concepts of Industrial Work,” *First National Symposium on Industrial Engineering*, Zacatecas, Mexico, 1994 (M.G. Beruvides).

PROFESSIONAL ORGANIZATIONS

Institute of Industrial Engineers

American Society of Engineering Management

American Society of Engineering Educators

National Society of Professional Engineers

Texas Society of Professional Engineers

International Association for the Management of Technology

American Society of Quality Control

Tau Beta Pi

Alpha Pi Mu

Epsilon Mu Eta

Alpha Lambda Delta

Gamma Beta Pi

AWARD AND HONORS

National Academy of Inventors – member, 2017 – present.

Gamma Beta Phi Honor Society – miembro, 2017 – present.

President’s Excellence in Teaching Award, Texas Tech University, 2016.

Golden Key International Honor Society – member, 2015 - presente

American Society for Engineering Education John L. Imhoff Global Excellence Award for Industrial Engineering Education for 2013.

Most Influential Faculty Award, Whitacre College of Engineering Honors Convocation, awarded Spring, 2012.

American Society for Engineering Management Best Dissertation Award for 2010 – awarded to Wayne Rodin.
M.G. Beruvides Dissertation Chairperson.

Gamma Beta Phi – National Honor Society – member, 2010

American Society for Engineering Management Best Dissertation Award for 2009 – awarded to Marcus Banasic.
M.G. Beruvides Dissertation Chairperson.

Magna Cum Laude – The National Scholars Honor Society – Life time member, 2008 - present.

Fellow of the American Society for Engineering Management, 2007 – present.

Epsilon Mu Eta – Engineering Management Honor Society Member, 2007 – present.

Tau Beta Pi Outstanding Professor Award, Texas Tech University, 2006.

Texas Tech University Teaching Academy, 2004 – present.

Charles L. Burford Faculty Teaching Award, Texas Tech University, 2000-2001

Ex-Student Association New Faculty Award, Texas Tech University, 1998.

Halliburton Award for Teaching Excellence in the College of Engineering, Texas Tech University, 1996.

Finalist, Merritt A. Williamson Best Paper Award, ASEM Annual Conference, October, 1996.

Outstanding Industrial Engineering Professor Award, University of Texas at El Paso, 1994.

Merritt A. Williamson Best Paper Award, ASEM Annual Conference, October, 1993.

GRADUATE STUDENT COMMITTEES CHAIRED (THESES AND DISSERTATIONS)

Dissertations

Completed

“Would Renewable Energy be a Good Option for an Oil Rich Country: The Case of Saudi Arabia,” Ramzi Alahmadi, August, 2017

“A Systems Analysis of Sustainable Groundwater Management in California: Homology and Isomorphology with Monetary Policy,” Guy Bates, May, 2017

"Indexing Approximations and Optimizations in Search Systems," Guillermo Rodríguez, May, 2017

“Economic effects of mitigation spending in emergency management in the United States of America from 2004 to 2014,” Katharina Renkin, Candidate, December, 2016

"Economic Justification of High Reliability Organizations," Michael Bromley, August, 2016.

“A Nonparametric Capability Analysis Incorporating Quartile Sampling in Manufacturing Processes,” María Isabel Salazar, May 2016

“Estimation of an asset’s Remaining Useful Life considering its operating conditions and its individual degradation proces,” Diana Barraza, December, 2015

- "Behavioral Economics and Statistical Process Control," Guadalupe Leonidas, December, 2014.
- "Development of a Decision Tool for Cost Justification of Usability," Burchan Aydin, August 2014.
- " A Systems Model of Similarities Between Cotton & Lumber Futures: An Economic Isomorphological Comparison," Jaime Cantu, 2013.
- "A Study of the Cost of Quality in Electric Utility Companies," Himlona Palihke, 2013.
- "Cost of Quality Modeling for Maintenance," Rodrigo Peimbert, 2012.
- "Control Chart for Complex Systems with Trended Mean and Non-Constant Variance," José Guillermo Ramírez Galíndez, 2012.
- "Non-Parametric Change-Point Estimation for Observations Following a Random Walk with Drift," Victor Tercero, 2011.
- " Taguchi Method and Principle Component Analysis Application for Yarn White Speck Quality Defect," Pelin Altintas, 2010.
- "Mixed Duopoly: Analysis of Oligopoly Models Considering Social Welfare," Alvaro Eduardo Cordero Franco, 2010.
- "In Search of Rate of Return: The Case of External and Internal Interim Investment in Solving Multiple Rates of Return," Ean Ng, 2010.
- "Economics of Cost of Quality for Green Manufacturing Life Cycle Assessment Approach," Cheng-Chu Chiu-Wei, 2010.
- "A Systems Process Behavioral Chart for Monitoring Systems with Non-Zero Slope and Non-Normal Data," Maria del Carmen Temblador, 2010.
- "An Empirical Study on Knowledge -Work Schemas and their Impacts on Peak Performance," Natalie Waters, 2010.
- "A Cost of Quality Economic Analysis on the Value of Six Sigma Quality Programs in Government Organizations," Wayne Rodin, 2009.
- "A Study of the Cost of Quality in a Renewable Natural Resource Environment," Marcus Banasik, 2009.
- "On the Application of Non-Zero Sloping Analysis to Complex Systems: A Case Study Involving Mutual Funds," Daniel McGrath, 2009.
- "Influence of Intellectual Capital Intermediaries on Technical Workforce Capacity," Cesar Maldonado, 2008.
- "A Systems Approach Analysis of Disaster Hazard Mitigation Management," Andrea Gamret, 2008.
- "Detecting Assignable Cause of Growth: The Case for Non-Zero Slope Causal Variation Measurement," Ana María Canto, 2007.
- "Modeling Agricultural Recycling Systems for Systems Size and Economic Potential," Jeffrey Leland Hanson, December 2007.
- "Analysis of High Rate Fluctuation Systems Using Statistical Process Control Methods, Non-Zero Slope Development Systems Theory and the Stock Market," Luis Barroso, 2007.

- “The Technology Imprint and its Effects on Technology Frequency of Use: The Case for Technology Imprints,” Hisham Besheer, December 2006.
- “The Influence of Organizational Culture on Situation Awareness and Decision Making in Military Peace Keeping Tasks,” Angela Sandoval, 2005
- “Factors Affecting Group Decision-Making Process in Group Decision Support Systems Environments,” Pilar Pazos-Lago, 2005.
- “The Integrated Economic Production Quantity Model for Inventory and Quality,” Tharat Ittharat, [co-chair with Elliot Montes], 2004.
- “A Methodology for Quality Assurance of White Spec Counts in Dyed Yarn Using Optical Scanning Environment,” James Simonton, 2004
- “The Capability of a Solid Desiccant Unit to Remove Selected Indoor Quality-Related Organisms from the Air,” Michael David Larrañaga, 2004.
- “A Theoretical Development and Analysis of Mental Learning Curves,” Jiun-Yin Jian, 2004.
- “A Technology Transfer Model for Engineering Industries: Egypt, A Case Study,” Mohamed Hassan – Helwan University, 2003.
- “A Study of the Economics of System Quality in a Technology Management Environment,” Yu-Fang David Chiu, 2002.
- “A Study of the Profit-Based Quality-Productivity Relationship Model and its Verification in Manufacturing Industries,” Wen-Ruey Lee, 1997.
- Theses
- “Methodology for Detection and Quantification of the White Specks Phenomenon in Cotton Yarn,” James Simonton, 2001
- “Long-Term Information Processing Capacity in Teams: The Case for Foundational Memory,” Ana María Canto Esquivel, 2001.
- “Productivity Control and Analysis from the Statistical Method Viewpoint,” Victor Perazzoli, 2000.
- “The Corruption of a Simple Measurement System Due to Unintentional Bias,” Matthew R. James, 1998.
- “A Study of How to Mitigate the Reduction in Throughput due to Process Variability Caused by Labor Turnover in an Assembly Plant,” Scott T. Hutchinson, 1995.
- “A Work Characteristic Analysis of Traditional vs. Self Directed Work Team Schemata,” Natalie M. Water, 1995.
- “A Performance Measurement Case Study of Laboratory Chemist,” Ahmad R. Kamali, December, 1994.
- “A Topological Case Study of the Cost of Quality in a Continuous Process Manufacturing Environment,” Diego A. Sandoval-Chavez, December, 1994.
- “A Study of the Factors Influencing Productivity in a U.S. and Maquila Manufacturing Operation,” Diane DeHoyos, 1994.

“Middle Management Work in Non-Steady State Process vs. Steady State Process,” Miguel G. Vargas-Cortes, December, 1994.

In-process

“Factors influencing the adoption of inter-organizational information systems in the U.S. Residential Construction Industry,” Felix Vazquez, Candidate

“The relationship between course assessment and academic performance: An analysis of predictive characteristics of student performance,” Deborah Pedraza, Candidate

“Technology Evaluation Model in the Health Care Industry,” Samuel Pierre-Louis, Candidate

"A System Dynamic Modeling of High Reliability Organizations," Kurt McElwain, current.

"A business cycle analysis model of Minsky's Financial Instability Hypotheses," Lynn Phan, current.

"A Systems Analysis of High Reliability Organizations," Grant Fondaw, current.

“New Approach to Modeling US GDP and Detecting Changes in the Structural Relationship between US GDP and Leading Indicators,” David Enck, current

“Bias and its Effect on Situation Awareness,” Maureen Short, current

“Verification of the Impact of Working Capital on Organizational Profitability based on Total Productivity Management,” Naveen Tiruvengadam, current

"An Ecological Footprint Analysis and its Associated Opportunity Value for Industrial Applications," Kimberly Bush, current.

“The System Dynamics of HILP Event Electric Power Delivery Resiliency,” Eric Easton, current

“The Economic of the Cost of Quality of Innovation in Organizations,” Armando Elizondo-Noriega, current

“A Systems Dynamic Analysis of Water Resource Constraints: A Tragedy of the Commons Archetype Scenario of Water Issues,” Richard Burgess, current

"Systemic Dynamic Modeling Analysis of Current US Technology Policy," Peter Brown, current.

"Risk Consideration in Behavioral Economics," Justin Yandell, current.

"Naturalistic Decision Analysis in STEM Retention Issues in Higher Education," Kimberlee Smith, current.

"A Study for the Cost of Quality for Municipal Infrastructure," Jose Martinez, current.

"An Analysis of Retention Issues in University Level Engineering Education," John Rivera, current.

"Systemic Archetype for High Reliability Organizations," Tyler McCleary, current.

"A Systems Dynamic Analysis of the Management of Research and Development Projects," Albert Parvin, current.

"Analysis of the Value of Quality on Major Industrial Projects: Total Installed Cost vs Pre-Project Estimated Cost," Brent Robertson, current.

NON-TECHNICAL PUBLICATIONS

Books (in preparation)

J. Peregrino y Aguacate (book of poems), submitted to Editorial Betania, Madrid, Spain, 2017 (M.G. Beruvides).

Books (published)

e-Mail Poems Poemas (book of poems – Spanish with English translation by Dr. James Hoggard and María O’Connell, Eñe Publications, Washington, DC, 2017, 148p. (A. Avendaño and M.G. Beruvides).

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Sin una canción desesperada (book of poems), Editorial Betania, Madrid, Spain, 1997 (M.G. Beruvides).

Cartas al tiempo (poetic prose), Editorial Betania, Madrid, Spain, 1993 (A.R. Núñez and M.G. Beruvides).

Noser (book of poems), Editorial Betania, Madrid, Spain, 1990 (M.G. Beruvides).

Papers and Other Literary Works

In Preparation

El Pan no Paga Impuestos, Book of poems & translation into english by María O’Connell, *Ohio State University – Wheeler Poetry Book Contest*, 2017 (M.G. Beruvides).

“Esclavo,” “Ley,” and “Plegaria,” three poems & translation into english by María O’Connell, *Bellingham Review*, 2017 (M.G. Beruvides).

“Un Canto Africano,” “A las Cinco de la Tarde,” and “Apuro,” three poems & translation into english by María O’Connell, *New Letters Literary Prize*, 2017 (M.G. Beruvides).

“Redondo,” short story & translation into english by María O’Connell, submitted to *New Letters Literary Prize*, 2017 (M.G. Beruvides).

“Eva,” “Perot e Quiero,” and “La Sorpresa del Amor,” three poems & translation into english by María O’Connell, *Open to Interpretation*, 2017 (M.G. Beruvides).

“Esteban” poem & translation into english by María O’Connell, *Superstition Review*, 2017 (M.G. Beruvides). [Photo also submitted]

“Soldado” / Soldier,” poem & translation into english by María O’Connell, *The Cossack Review*, 2017 (M.G. Beruvides).

Accepted for Publication

Published

““La Voz de Mi Madre/My Mother’s Voice”” poem & translation into english by María O’Connell, in *Open to Interpretation: Love + Lust*, Mutabilis Press, Houston, Texas, p. 22, 2014 (M.G. Beruvides).

“El Querer Querer/Loving to Love” poem & translation into english by María O’Connell, in *Open to Interpretation: Love + Lust*, Mutabilis Press, Houston, Texas, p. 12, 2014 (M.G. Beruvides).

“Más” / “More,”” poem & translation into english by María O’Connell, in *Harbinger Literary Journal*, Texas Tech University Press, Lubbock, TX, pp. 49-50, 2013. (M.G. Beruvides).

“La Luz de la Memoria” poem & translation into english by María O’Connell, in *Open to Interpretation: Fading Light*, Mutabilis Press, Houston, Texas, p. 62, 2014 (M.G. Beruvides).

- “Mi Lapiz” poem & translation into english by María O’Connel, in *Open to Interpretation: Fading Light*, Mutabilis Press, Houston, Texas, p. 80, 2014 (M.G. Beruvides).
- “Cartujo,” poem & translation into english by María O’Connel, in *Pilgrimage*, Colorado State University Press, Pueblo, CO., Vol. 37, Issue 2, pp. 32-33, 2013 (M.G. Beruvides).
- “Cocuyo” / “Firefly,” shortstory & translation into english by María O’Connel, in *Harbinger Literary Journal*, Texas Tech University Press, Lubbock, TX, 2013. (M.G. Beruvides).
- “Zapato”/“Shoe” poem & translation into english by María O’Connel, in *Open to Interpretation: Intimate Landscapes*, Mutabilis Press, Houston, Texas, pp. ??? 2012 (M.G. Beruvides).
- “Solo”/“Alone” and, “Día de Otoño”/“Autumn Day” two poems & translation into english by María O’Connel, published in *SageBrush Review*, University of Texas at San Antonio, pp. 44-47 2012 (M.G. Beruvides).
- “Reconquista”/“Reconquest” short story & translation into english by María O’Connel, published in *SageBrush Review*, University of Texas at San Antonio, pp. 84-87 2012 (M.G. Beruvides).
- “Libros/Books,” poem & translation into english by María O’Connel, published in *Improbable Worlds: an anthology of Texas and Louisiana Poets*, edited by Martha Serpas, Mutabilis Press, Houston, Texas, 2011 (M.G. Beruvides).
- “Las mentiras, la creación literaria y el interlocutor: Una visión de la novela *La vida breve* de Juan Carlos Onetti,” *Céfiro - Eleventh Annual Conference on Latin-American and Iberian Languages, Literatures, and Cultures*, Lubbock, Texas, April 1-3, 2010.
- “Aspectos de lo Grotesco e Interlocución en el cuento *El amante de teatro* de Carlos Fuentes,” *Círculo: Revista de Cultura*, Centro de Cultura Panamericano, 2008, vol. 37, pp. 171-176. (M.G. Beruvides).
- “Una Rosa,” *Céfiro Journal*, Texas Tech University, Lubbock, Texas, Number 6.1/6.2, pp. 111-120, Spring/Fall, 2006 (M.G. Beruvides).
- “Selección de poemas,” chapter in *Lírica del Exilio Cubano*, Academia Poética de Miami, Editora Corripio, Santo Domingo, República Dominicana, 1995 (M.G. Beruvides).
- “Barometro de la verdad” poem in *Ideal*, Christian Commitment Foundation, Miami, Florida, Marzo 1980, Año IX, No. 117: p. 54.(M.G. Beruvides).
- “Bitacora de la mentira” poem in *Ideal*, Christian Commitment Foundation, Miami, Florida, Marzo 1980, Año IX, No. 117: p. 54.(M.G. Beruvides).
- Conference Presentations
- “Interlocutory Dialogues at the Border of Life and Death,” *Céfiro - XIV Annual Conference – Frontiers and Borders: Life on the Fringe of the Spanish and Portuguese Worlds and Beyond*, Lubbock, Texas, April 4-6, 2013 (María O’Connell and M.G. Beruvides).
- “Las mentiras, la creación literaria y el interlocutor: Una visión de la novela *La vida breve* de Juan Carlos Onetti,” *Céfiro - Eleventh Annual Conference on Latin-American and Iberian Languages, Literatures, and Cultures*, Lubbock, Texas, April 1-3, 2010 (M.G. Beruvides).
- “El arte poético de Juan Gelman: Una interlocución interna,” *Círculo de Cultura Panamericano*, Miami, Fl., Julio 23-25, 2009 (M.G. Beruvides).

“Systems Theory: Crossing the Prism of Borders,” *The 2009 Joint Conference on "Migration, Border, and the Nation-State"*, Lubbock, Texas, April 8 – 11, 2009 (M.G. Beruvides).

“Análisis de la Narración e Interlocución en la Novela *Gazapo* de Gustavo Sainz,” *Céfiro - Tenth Annual Conference on Latin-American and Iberian Languages, Literatures, and Cultures*, Lubbock, Texas, March 26 – 28, 2009 (M.G. Beruvides).

“La búsqueda de identidad: Perspectiva psicológica en la obra “Doña Berta” de Leopoldo Alas ‘Clarín’,” *Círculo de Cultura Panamericano*, Miami, Fl., Julio 25-27, 2008 (M.G. Beruvides).

“Teoría de sistemas: Ciencia, Ingeniería, Literatura y un poca más,” *Céfiro - Ninth Annual Conference on Latin-American and Iberian Languages, Literatures, and Cultures*, Lubbock, Texas, March 27 – 29, 2008 (M.G. Beruvides).

“Aspectos de lo Grotesco e Interlocución en el cuento *El amante de teatro* de Carlos Fuentes,” *Círculo de Cultura Panamericano*, Miami, Fl., Julio 27-29, 2007 (M.G. Beruvides).

“Interlocución directa e indirecta en la novela *Carlota Fainberg* de Antonio Muñoz Molina,” *Céfiro - Eighth Annual Conference on Latin-American and Iberian Languages, Literatures, and Cultures*, Lubbock, Texas, March 30 - April 1, 2007 (M.G. Beruvides).

“La influencia de factores culturales en la teoría de desiciones,” *Instituto CulturalHispano-Americano - University of Miami*, Invited lectura, Koubek Center, Miami, Fl, July 14, 2006. (M.G. Beruvides).

“Perspectiva femenina: Herencia cultural, soledad, silencio e interlocutor en la obra *El cuarto de atrás* de Carmen Martín Gaité,” *Céfiro - Seventh Annual Conference on Latin-American and Iberian Languages, Literatures, and Cultures*, Lubbock, Texas, March 30 - April 1, 2006 (M.G. Beruvides).

“Visión Poética de un Inculto,” *XXI Congreso Cultural del Círculo de Cultura Panamericano*, Miami, Fl., July 27-29, 2001 (M.G. Beruvides).

“La poesía atravez de los ojos de un ingeniero,” *42nd Mountain Interstate Foreign Language Conference*, Blacksburg, VA, 1992 (M.G. Beruvides).

“Las cartas al tiempo: Prosa en verso de una amistad,” *42nd Mountain Interstate Foreign Language Conference*, Blacksburg, VA, 1992 (A.R. Núñez and M.G. Beruvides).

AWARDS AND HONORS (NON-TECHNICAL)

Gamma Beta Phi – National Honor Society – miembro, 2010 – presente.

Sigma Delta Pi – La Sociedad Nacional Honoraria Hispánica – miembro, 2008 - presente.

Magna Cum Laude – The National Scholars Honor Society – member de por vida, 2008 - presente.

“Fruits of Your Labor” Community Service Award of the South Plains Food Bank, Lubbock, Texas, 1995.

Literary Prize Juan J. Remos of the Cruzada Educativa Cubana, Miami, FL, 1982.

2nd Place - Literary Prize José Antonio Saco of the Cruzada Educativa Cubana, (Work titled “Ensayo sobre el ideario anexionista del primer ciudadano Cubano: José Antonio Saco”), Miami, FL, 1979.

PROFESSIONAL ORGANIZATIONS

Gamma Beta Phi Honor Society – miembro, 2017 - presente

Golden Key International Honor Society – miembro, 2015 - presente

Gamma Beta Phi – miembro, 2010 - presente

Sigma Delta Pi – miembro 2008 – presente

Magna Cum Laude - miembro 2008 – presente

Círculo de Cultura Pan-Americano, miembro 2001 – presente

LAIS (Latin American and Iberian Studies), miembro 2000 – presente

Céfiro – miembro, 2005 – presente

Asociación Histórica Cubana – Vice President

Cruzada Educativa Cubana - miembro