

GIOVANNI C. MIGLIACCIO, PH.D., ING.

Associate Professor; P.D. Koon Endowed Professorship in Construction Management

CONTACT INFORMATION:

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EDUCATION:

Doctor of Philosophy, University of Texas at Austin, USA, 2007

Major: Civil Engineering; Area of Emphasis: Construction Engineering and Project Management

Master of Science, University of Texas at Austin, USA, 2006

Major: Civil Engineering; Area of Emphasis: Construction Engineering and Project Management

Laurea di Dottore (Master's level Professional Degree), Politecnico di Bari, Italy, 2000

Major: Architectural Engineering; Areas of Emphasis: Building Systems, Building Design

HONORS AND AWARDS:

Personal Honors and Awards:

- **Fellowship, Runstad Center for Real Estate Studies**, 2015-16, University of Washington, Seattle, WA.
- **P.D. Koon Professor in Construction Management**, Endowed Professorship in Construction Management, University of Washington, Seattle, WA.
- **Construction Industry Institute New Scholar Program**, Grant to attend 2014 CII Annual Meeting, CII, Indianapolis, IN.
- **ASC Conference 2014 – Best Paper Award** (jointly with *Carrie Dossick and Elizabeth Golden*), 2014 Associated Schools of Construction Annual Conference, ASC, Washington, DC.
- **Construction Industry Institute Poster Competition** (jointly with *Teizer, J., Cheng, T., and Gatti, U.C.*), 2012 CII Annual Meeting, First Place, CII, Baltimore, MD.
- **Transportation Research Board 2012 Minority Fellowship Grant** (as advisor of *Martinez, R. M.*), totaling \$2,500.
- **Marquis Who's Who in America** (2009, 2010, 2011)
- Received the “**Richard and Shirley Tucker Endowed Scholarship**” three times in Construction Engineering and Project Management for achievements in research, and coursework, (2004 to 2007)

Awards for Students Trainees/Advisees:

- **Gatti, Umberto**
 - 2012 CII Annual Meeting, Best Poster Award, Baltimore, MD.
 - 2011 Canadian Graduate Student Colloquium, First Place, CSCE, Ottawa, CA.
- **Martinez, Rebecca M.**
 - Transportation Research Board Minority Fellowship, 2010
 - Construction Financial Management Association (CFMA) Scholarship, 2009
 - Sigma Xi, Superior Undergraduate Award for research accomplishments during undergraduate study, 2009
 - New Mexico Engineering Foundation (NMEF) Scholarship, 2008
 - Engineering Student of the Year, New Mexico Society of Professional Engineers, 2008
 - Annual Student Project/Paper Competition (1st place), ITE UNM Student Chapter, 2008
- **Martinez, Adam A.** CFMA Scholarship, 2008, 2009
- **Zhang, Su** CFMA Scholarship, 2009
- **Forns-Samso, Francisco** CFMA Scholarship, 2009

PROFESSIONAL LICENSES AND CERTIFICATIONS:

Italian Professional Engineer License, 2000-present

SCHOLARLY ACTIVITIES:

Publication Summary Statistics:

Number of **publications published/accepted/recommended for publication** as of 4/28/2017: **104**

Number of Books and Monograph: **7**

Number of Peer-Reviewed Articles: **25**

Number of Peer-Reviewed Conference Papers: **47**

Number of Magazine Articles: **2**

Number of Research Reports and Deliverables: **23**

Books & Book Chapters (Published, Accepted or Recommended for Publication):

1. Migliaccio, G. C. Lin, K.Y., and Dossick, C. Learning to Create a Better Built Environment. Chapter in Childs M. and Soetanto, R. (Eds.) (2017) *Online Learning for STEM Subjects: International Examples of Technologies and Pedagogies in Use*, Taylor and Francis.
2. Migliaccio, G. C. and Minchin, R.E. Design Management of Infrastructure Projects. Chapter in Jefferies M.C. and Rowlinson, S. (Eds.) (2015) *New Forms of Procurement: Public Private Partnerships and Relational Contracting in the 21st Century*, Taylor and Francis.
3. Ahmed, A.A. and Migliaccio, G. C. Status of PPP implementation in the U.S. Chapter in A. Akintoye, M. Beck, and M. Kumaraswamy (Eds.) (2015), *Public Private Partnerships: A Global Review*. Oxfordshire, UK: Taylor & Francis.
4. Minchin, E., Migliaccio, G.C., Ptschelinzew, L., Gatti, U., Atkins, K., Warne, T., Hostetler, G., and Asiamah., S. (2014). *Design Management Guide for Design-Build and Construction Manager/General Contractor Projects, NCHRP Report 787*. Washington, DC: TRB.
5. Migliaccio, G. C., Knoebel, G., Martinez, R.M., Albert, D., and Hurd, J., (2011). *A Guidebook for Successful, Communication, Cooperation, and Coordination Strategies between Transportation Agencies and Tribal Communities, NCHRP Report 690*. Washington, DC: TRB. ISBN 978-0-309-15563-2.
6. Gibson, G. E. J., O'Connor, J. T., Migliaccio, G. C., and Walewski, J., (2007). Key Implementation Issues and Lessons Learned with Design-Build Projects. Chapter 1 in K. R. Molenaar & G. Yakowenko (Eds.), *Alternative Project Delivery, Procurement, and Contracting Methods for Highways* (pp. 1-19). Reston, VA: ASCE.
7. Migliaccio, G.C., (1996). "Il Promontorio di San Pietro: Progetto della Nuova Porta a Mare e del Recinto del Convento." Chapter in Polito, S. et al., *Bari, la Linea del Mare: Progetti* (Bari Waterfront Projects; pp.7-13). Bari, Italy: Safra Publisher.

Peer-Reviewed Articles (Published, Accepted or Recommended for Publication):

1. Song, J. , Migliaccio, G.C., Wang, G., Lu, H. (TBD). Exploring the Influence of System Quality, Information Quality and External Service on BIM User Satisfaction. *ASCE Journal of Engineering Management*, accepted, forthcoming.
2. Lee, W., Lin, K.Y., Migliaccio, G.C., and Seto, E. (TBD). An evaluation of wearable sensors and their placements for analyzing construction worker's trunk posture in laboratory conditions. *Applied Ergonomics*, accepted, forthcoming.
3. Zhang, S., Bogus, S.M., Lippitt, C.D. and Migliaccio, G.C. (2017). Empirical Assessment of Using Nighttime Light Satellite Imagery for Adjusting Construction Cost Estimates by Project Location. *ASCE Journal of Construction Engineering and Management*, Vol. 143, Issue 1.
4. Lee, W and Migliaccio, G.C. (2016). Physiological cost of concrete construction activities. *Construction Innovation: Information, Process, Management*, special issue Innovations in Construction Health, Safety and Environmental Research, Vol. 16, Issue 3.

5. Ottesen, J., Migliaccio, G.C. and Wulfsberg, H.J. (2016). Contractual Battles for Higher Ground – Case Examples. *ASCE's Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, Vol. 8, Issue 1.
6. D'Incognito, M., Costantino, N., and Migliaccio, G.C. (2015). Actors and barriers to the adoption of LCC and LCA techniques in the built environment, *Built Environment Project and Asset Management*, special issue on “Leadership, Culture and Sustainable Built Environment,” Vol. 5 Issue: 2, pp.202 – 216.
7. Gatti, U.C., Migliaccio, G.C., and Schneider, S. (2014). Physiological Condition Monitoring of Construction Workers, *Automation in Construction*, vol.4 (August 2014) pp.227-233.
8. Gatti, U. C., El-Anwar, O., Migliaccio, G.C., and Lin, K.Y. (2014). Using Discrete-Event Simulation to Quantify the Impacts of DOT's Building Systems Failures on Transportation System Users, *Transportation Research Record: Journal of the Transportation Research Board*, issue 2440, pp.85-93.
9. Zhang, S., Migliaccio G.C., Zandbergen P. and Guindani, M. (2014). Empirical Assessment of Geographically Based Surface Interpolation Methods for Adjusting Construction Cost Estimates by Project Location, *ASCE Journal of Construction Engineering and Management*, 140(6).
10. Gatti, U.C., Migliaccio, G.C., Bogus, S.M., and Schneider, S. (2014). An Exploratory Study of the Relationship between Construction Workforce Physical Strain and Task Level Productivity. *Construction Management and Economics*, Special Issue “Productivity Improvement in the Construction Process,” 32 (6), 548-564.
11. Gatti, U.C., Migliaccio, G.C., and Laird, L. (2014). Design Management in Design-Build Mega-Projects: The SR 99 Bored Tunnel Case Study. *ASCE Practice Periodical on Structural Design and Construction*, Special Issue “2014 Construction Engineering Conference,” 19, 148-158, published online in June 2013, printed copy in 2014.
12. Migliaccio G.C., Zandbergen P., and Martinez, A.A., (2014). Empirical Comparison of Methods for Estimating Location Cost Adjustment Factors. *ASCE Journal of Management in Engineering*, published online in June 2013, printed copy forthcoming in 2014.
13. Migliaccio, G.C., Bogus, S., and Cordova-Alvidrez, A. A., (2014). Continuous Quality Improvement Techniques for Data Collection in Asset Management Systems – Tecnicas de mejora continua de la calidad de la recoleccion de datos en sistemas de gerencia de capital de infraestructura. *ASCE Journal of Construction Engineering and Management*, Special Bilingual Issue “Engineering of the Americas,” published online in June 2013, printed copy in 2014.
14. Bogus, S., Migliaccio, G.C., and Yin, R., (2013). Study of the Relationship between Procurement Duration and Project Performance in Design-Build Projects: Comparison between Water/Wastewater and Transportation Sectors. *ASCE Journal of Management in Engineering*, 29(4), 382-391.
15. Migliaccio, G.C., Guindani, M., D'Incognito, M. and Zhang, L. (2013). Empirical Assessment of Spatial Prediction Methods for Location Cost-Adjustment Factors. *ASCE Journal of Construction Engineering and Management*, 139(7), 858-869.
16. Gatti, U. , Migliaccio, G., Bogus, S., Priyadarshini, S., and Scharrer, A. (2013). Using Workforce's Physiological Strain Monitoring to Enhance Social Sustainability of Construction. *ASCE Journal in Architectural Engineering*. 19, Special Issue: Emerging Trends of Sustainable Engineering, Design, and Construction, 179–185.
17. Cheng, T., Teizer, J., Migliaccio, G.C., and Gatti, U.C., (2013). Automated Task-level Activity Analysis through Fusion of Real Time Location Sensors and Worker's Thoracic Posture Data. *Automation in Construction*, Elsevier, 29, pp. 24-39.
18. Cheng, T., Migliaccio, G.C., Teizer, J., and Gatti, U.C., (2013). Data Fusion of Real-Time Location Sensing and Physiological Status Monitoring for Ergonomics Analysis of Construction Workers. *ASCE Journal of Computing in Civil Engineering*, 27(3), 320–335.

19. Migliaccio, G.C., Bogus, S., and Chen, A., (2010). Effect of Duration of Design-Build Procurement on Performance of Transportation Projects. *Transportation Research Record: Journal of the Transportation Research Board*, December 2010.
20. Bogus, S., Migliaccio, G.C., and Cordova, A., (2010). Assessment of Data Quality for Evaluations Manual Pavement Distress. *Transportation Research Record: Journal of the Transportation Research Board*, December 2010.
21. Martinez, R.M., Migliaccio, G.C., Dexter, A., and Holley, T., (2009). Review of Strategies for Enabling Collaboration between Transportation Agencies and Native American Tribes. *Transportation Research Record: Journal of the Transportation Research Board*, 2119/2009, 113-119.
22. Hale, D.R., Gibson, G.E., Migliaccio G.C., and Shrestha, P. P., (2009). Empirical Comparison of Design/Build and Design/Bid/Build Project Delivery Methods. *ASCE Journal of Construction Engineering and Management*, 135 (7), 579-587.
23. Migliaccio, G.C., Gibson, G.E., and O'Connor J.T., (2009). Procurement of Design-Build Services: Two-Phase Selection for Highway Projects. *ASCE Journal of Management in Engineering*, 25(1), 29-39.
24. Migliaccio, G.C., Gibson, G.E., and O'Connor J.T., (2008). Changing Project Delivery Strategy: An Implementation Framework. *SAGE Journal of Public Works: Management and Policy*, 12(3), 483-502.
25. Shrestha, P. P., Migliaccio, G.C., O'Connor, J.T., and Gibson, G.E., (2007). Benchmarking of Large Design-Build Highway Projects: One-To-One Comparison and Comparison with Design-Bid-Build Projects. *Transportation Research Record: Journal of the Transportation Research Board*, 1994/2007, 17-25.

Articles in preparation/under review by Peer-Reviewed Scholarly Journals:

1. Lee, W., Lin, K.Y., Seto, E., and Migliaccio, G.C. (TBD). Looking Beyond the Workplace: Construction Laborers' On-duty and Off-duty Activities, *Automation in Construction*, under review.
2. Lee, W., Lin, K.Y., Migliaccio, G.C., and Azari, R. (TBD). Training of Low Literacy and Low English Proficiency Workers on Construction Fall Fatality. *ASCE Journal of Management in Engineering*, under review.
3. Lee, W., and Migliaccio, G.C. (TBD). Temporal Effect of Construction Workforce Physical Strain on Diminishing Marginal Productivity in Task Level. *ASCE Journal of Construction Engineering and Management*, in preparation.
4. Migliaccio, G.C., (TBD). Effective Strategies for Facilitating Collaboration among Transportation Agencies and Native American Tribes on Transportation Improvements. *SAGE Journal of Public Works, Management and Policy*, in preparation.
5. Osmanbhoj, N., Migliaccio, G.C., and Biancardo, S., (TBD). A Review and Analysis of Emergent Subcontracting Approaches. *ASCE Journal of Construction Engineering and Management*, in preparation.

Articles in Magazines:

1. Migliaccio, G.C. and Stoddard, A. Transportation Research in Indian Country: Lessons Learned from Recent Projects, *TR News*, Issue 294, September 2014.
2. Minchin, R. E. and Migliaccio, G.C. Design Management for Transportation Construction Projects Design-Build and Construction Manager-General Contractor Methods, *TR News*, Issue 302, March-April 2016.

Articles in Peer-Reviewed Conference Proceedings:

1. Shang, L., Aziz, A.A., and Migliaccio, G.C., (2017). An Investigation of the Traffic Safety Performance of PPP Transportation Projects in the United States. *Proceedings of the Transportation Research Board 96th Annual Meeting*. Washington, DC: TRB, January 8-12, 2017.

2. Lee, W., Lin, K.Y., Migliaccio, G.C. and Seto.E. (2016). Comparison of Alternative Wearable Accelerometers to Analyze Construction Workers' Ergonomic Posture in Laboratory Conditions, *Proceedings of the 16th International Conference on Computing in Civil and Building Engineering*, Osaka, Japan, July 6-8 2016.
3. Lee, W., Lin, K.Y., Migliaccio, G.C. and Seto.E. (2016). Looking Beyond the Workplace: Construction Laborers' Working Life On Duty and Off Duty, *Proceedings of the 7th international conference on applied human factors and ergonomics*, Florida, USA, 27-31 July 2016.
4. Lee, W., Migliaccio, G.C., Lin, K.Y. and Seto.E. (2016). Revisiting the Relationship Between Physical Strain and Task Productivity, *Proceedings of CIB World Building Congress 2016*, Tampere, Finland: CIB, May 30 – June 3, 2016.
5. Rigotti, E., Migliaccio, G.C., and De Marco, A. (2015). Comparing Performance of Construction Projects Delivered through Different Delivery Methods. *2015 CSCE International Construction Specialty Conference*, Vancouver, BC, Canada: CSCE, June 8-10, 2015.
6. Biancardo, S., Osmanbhoy, N., Ottesen, J. Migliaccio, G.C., and Clevenger. C. (2015). Closing the Contractual Circle: Investigating Emergent Subcontracting Approaches. *2015 CSCE International Construction Specialty Conference*, Vancouver, BC, Canada: CSCE, June 8-10, 2015.
7. Lee, W., Migliaccio, G.C., Lin, K.Y. and Russo F. (2015). Lessons Learned From Using Bio- And Environmental Sensing In Construction: A Field Implementation. *2015 CSCE International Construction Specialty Conference*, Vancouver, BC, Canada: CSCE, June 8-10, 2015.
8. Lee, W. and Migliaccio, G.C. (2014). Field Use of Physiological Status Monitors (PSM) to Identify Workers' Physiologically Acceptable Bounds and Target Heart Rate Zones, *Proceedings of the 2014 ASCE International Conference on Computing in Civil and Building Engineering*. Orlando, FL: ASCE, June 23-25, 2014.
9. Gatti, U.C., El-Anwar, O., Migliaccio, G.C., and Lin, K.Y. (2014). Using Discrete-Event Simulation to Support Building Asset Management: An Exploratory Case Study, *Proceedings of the 2014 ASCE Construction Research Congress*. Atlanta, GA: ASCE, May 19-21, 2014.
10. Migliaccio, G.C., Dossick, C. and Golden E. (2014). Enhancing Interdisciplinary Thinking, Teamwork and Collaboration across CM, Arch and CE Disciplines through a Design-Build Competition, *Proceedings of the 2014 ASC Annual International Conference*. Washington, DC: ASC, March 26-28, 2014; **Best Paper Award**.
11. Gatti, U.C., El-Anwar, O., Migliaccio, G.C., and Lin, K.Y. (2014). Using Discrete-Event Simulation to Quantify the Impacts of DOT's Building Systems Failures on Transportation System Users, *Proceedings of the Transportation Research Board 93rd Annual Meeting* (CD). Washington, DC: TRB, January 12-16, 2014.
12. Cheng, T., Teizer, J., Migliaccio, G.C., and Gatti, U.C. (2013). Automated Task-level Activity Analysis through Fusion of Real Time Location Sensors and Worker's Thoracic Posture Data, *Proceedings of the 2013 ASCE International Workshop on Computing in Civil Engineering*, Los Angeles, CA: ASCE, June 23-25, 2013.
13. Ptschelinzew, L.R., Minchin, R.E., Migliaccio, G.C., Atkins, K.; Hostetler, G.A., Warne, T.R., and Nettuno, G. (2013); "Best Practices in Design Process Development for Accelerated Construction Project Delivery"; in *New Developments in Structural Engineering and Construction, Proceedings, 7th International Structural Engineering and Construction Conference*, Honolulu, Hawaii: ISEC, June 18-23, 2013, pp. 1205-1210.
14. Minchin, R.E., Ptschelinzew, L., Migliaccio, G.C., Gatti, U.C., Atkins, K., and Hostetler, G.A. (2013). A Synthesis of Fast Track Highway Construction Delivery in the U.S., *Proceedings of CIB World Building Congress 2013*, Brisbane, Australia: CIB, 5 - 9 May 2013.

15. D'Incognito, M., Costantino, N., and Migliaccio, G.C. (2013). Assessing the Influence of Cultural Issues on the Adoption of Life Cycle Management Tools, *Proceedings of CIB World Building Congress 2013*, Brisbane, Australia: CIB, 5 - 9 May 2013.
16. Migliaccio, G., Cheng, T., Gatti, U., and Teizer, J. (2013). Data Fusion of Real-time Location Sensing (RTLS) and Physiological Status Monitoring (PSM) for Ergonomics Analysis of Construction Workers, *Proceedings of CIB World Building Congress 2013*, Brisbane, Australia: CIB, 5 - 9 May 2013.
17. Gatti, U. C. and Migliaccio, G.C. (2013). A Study on the Influence of Construction Workers' Physiological Status and Jobsite Environment on Behavior and Performance. *Proceedings of the 2013 Associated Schools of Construction (ASC) Conference*, San Luis Obispo, California: ASC, 10 - 13 April 2013.
18. Minchin, R.E., Migliaccio, G.C., Li, X., Issa, R.R., Atkins, K., Vargas, G., Hostetler, G.A., Warne, T., (2012). Construction and Design Issues for Construction Manager / General Contractor Highway Projects, *Proceedings of International Council for Building (CIB) Conference for Management of Construction Research to Practice*, Montreal, Quebec, Canada: CIB, June 26-29, 2012.
19. K. Y. Lin, G. Migliaccio, R. Azari, C. H., Lee, J. de la Llata (2012). Developing 3D Safety Training Materials on Fall Related Hazards for Limited English Proficiency and Low Literacy Construction Workers, *Proceedings of the 2012 ASCE International Conference on Computing in Civil Engineering*, Clearwater Beach, FL: ASCE, June 17-20, 2012.
20. Gatti, U.C., Migliaccio, G.C., Bogus, S.M., Schneider, S., (2012). Using Wearable Physiological Status Monitors for Analyzing the Physical Strain – Productivity Relationship for Construction Tasks, *Proceedings of the 2012 ASCE International Conference on Computing in Civil Engineering*, Clearwater Beach, FL: ASCE, June 17-20, 2012.
21. Migliaccio, G.C., Teizer, J., Cheng, T., and Gatti, U.C., (2012). Automatic Identification of Unsafe Bending Behavior of Construction Workers using Real-time Location Sensing and Physiological Status Monitoring, *Proceedings of the 2012 ASCE Construction Research Congress*, West Lafayette, IN, USA: ASCE, May 21-23, 2012.
22. Migliaccio, G.C., Teizer, J., Gatti, U.C., (2011). Remote Construction Worker Physiological Status and Location Monitoring, *Proceedings of the 28th International Symposium on Automation and Robotics in Construction (ISARC)*, Seoul, Korea: IAARC, June 29- July 2, 2011.
23. Gatti, U.C., Migliaccio, G.C., Schneider, S., (2011). Wearable Physiological Status Monitors for Measuring and Evaluating Worker's Physical Strain, *Proceedings of the 2011 ASCE International Conference on Computing in Civil Engineering*, Miami, FL: ASCE, June 19-22, 2011.
24. Migliaccio, G.C., Guindani, M., Zhang, S. and Ghorai, S., (2011). Regression-based Prediction Methods for Adjusting Construction cost Estimates by Project Location. *Proceedings of the Annual Conference of the Canadian Society for Civil Engineering 2011*. Ottawa, Canada: CSCE, June 14-17, 2011.
25. Baldwin, B., Lin, K.Y., Migliaccio, G., and Tan, X., (2011). A Survey for the Current State of Knowledge Management within University Capital Project Offices in the US. *Proceedings of the Annual Conference of the Canadian Society for Civil Engineering 2011*. Ottawa, Canada: CSCE, June 14-17, 2011.
26. Forns-Samso, F., Bogus, S.M., and Migliaccio, G.C., (2011). Use of Building Information Modeling (BIM) in Facilities Management. *Proceeding of the Annual Conference of the Canadian Society for Civil Engineering 2011*. Ottawa, Canada: CSCE, June 14-17, 2011.
27. Gatti, U.C., Migliaccio, G.C., Schneider, S., (2011). Using Innovative Technologies for Studying the Relationship between Construction Worker's Physical Strain and Performance: An Exploratory Study, *Proceeding of the Annual Conference of the Canadian Society for Civil Engineering 2011*, Ottawa, ON, Canada: CSCE, June 14-17, 2011.
28. Gatti, U.C., Sharrer, A., Migliaccio, G.C., and Bogus, S.M., (2011). Using Workforce's Physiological Strain Monitoring to Enhance Social Sustainability of Construction. *Proceedings of the*

- International Conference on Sustainable Design and Construction 2011 (ICSDC 2011)* (CD). Kansas City, KS: ASCE, March 23-25, 2011.
29. Gatti, U.C., Migliaccio, G.C., Schneider, S., and Fierro, R., (2010). Assessing Physical Strain in Construction Workforce: A First Step for Improving Safety and Productivity Management. *Proceedings of the 27th International Symposium on Automation and Robotics in Construction (ISARC 2010)* (CD). Bratislava, Slovakia: ISARC, June 25-27, 2010.
 30. Migliaccio, G.C., Bogus, S., and Chen, A., (2010). Relationship between Design-Build Procurement Duration and Project Success. *Proceedings of the 2010 CIB World Congress* (CD). Salford Quays, United Kingdom: CIB, May 10-13, 2010.
 31. Bogus, S., Migliaccio, G.C., and Cordova, A., (2010). Performance of Manual Condition Surveys Using Inter-Rater Agreement Measurements. *Proceedings of the 2010 CIB World Congress* (CD). Salford Quays, United Kingdom: CIB, May 10-13, 2010.
 32. Migliaccio, G.C., and Martinez R. M., (2010). Establishing a Collaborative Environment among Project Stakeholders. In J. Ruwanpura, Y, Mohammed, and S.H. Lee (Eds.), *Proceedings of the 2010 Construction Research Congress* (pp. 747-756). Banff, Alberta, Canada: ASCE, May 8-11, 2010, ISBN 9780784411094.
 33. Migliaccio, G.C., Bogus, S., and Chen, A., (2010). The Effect of Design-Build Procurement Duration on Performance of Transportation Projects. *Proceedings of the Transportation Research Board 89th Annual Meeting* (CD). Washington, DC: TRB, January 10-14, 2010.
 34. Bogus, S., Migliaccio, G.C., and Cordova, A., (2010). Data Quality Assessment for Manual Pavement Distress Evaluations. *Proceedings of the Transportation Research Board 89th Annual Meeting* (CD). Washington, DC: TRB, January 10-14, 2010.
 35. Martinez, A.A., Migliaccio, G.C., Zandbergen, P. and Zhang S., (2009). Adjusting Construction Cost Estimates by Geographical Location. *Proceedings of the 2009 AACE International Annual Meeting* (CD). Seattle, WA: Association for the Advancement of Cost Engineering (AACE), June 28 – July 1, 2009.
 36. Migliaccio, G.C., Zandbergen, P. and Martinez A. A., (2009). Assessment of Methods for Adjusting Construction Cost Estimates by Geographical Location. In S.T. Ariaratnam and E. Rojas (Eds.), *Proceedings of the 2009 Construction Research Congress* (pp. 886-895). Seattle, WA: ASCE April 5-7, 2009, ISBN 0784410208.
 37. Migliaccio, G.C. and Shrestha, P.P., (2009). Analysis of Design-Build Procurement Activities Durations for Highway Projects. In S.T. Ariaratnam and E. Rojas (Eds.), *Proceedings of the 2009 Construction Research Congress* (pp. 229-238). Seattle, WA: ASCE April 5-7, 2009, ISBN 0784410208.
 38. Migliaccio, G.C., Martinez, R.M. , Bennett, N., Albert, D., Holley, T., Knoebel, G., and Quintana, M., (2009). A Review of Public Involvement Strategies between Transportation Agencies and Native American Tribal Communities. *Proceedings of the Transportation Research Board 88th Annual Meeting* (CD). Washington, DC: TRB, January 11-15, 2009.
 39. Dell’Osso, G.R., Iannone, F., Palella, M. and Migliaccio, G.C., (2008). Envelope and Building Systems: A Tool for Controlling and Managing Smart Buildings. In M. Ettouney (Ed.), *Proceedings of the 2008 Architectural Engineering National Conference* (CD). Denver, CO: ASCE, September 25-27, 2008, ISBN 078441002X.
 40. Shrestha, P. P., Migliaccio, G.C., O’Connor, J.T., and Gibson, G.E., (2007). Comparison between Design Build and Design Bid Build Transportation Projects using Lane Mile Data. *Proceedings of the 2007 ASCE Construction Research Congress* (CD), May 6-8, 2007. ASCE, Nassau, Grand Bahamas, ISBN 0970786913.
 41. Gibson, G.E., O’Connor, J.T., and Migliaccio G.C., (2007). Changing Project Procurement Strategy: An Implementation Framework. *Sloan Industry Studies Working Paper Series* of Sloan Foundation

Industry Studies Annual Conference, Cambridge MA: Sloan Foundation, April 26-27, 2007.
Retrieve from <http://web.mit.edu/sis07/www/gibson.pdf>.

42. Shrestha, P. P., Migliaccio, G.C., O'Connor, J.T., and Gibson, G.E., (2007). Benchmarking of Large Design-Build Highway Projects: One-To-One Comparison and Comparison with DBB Projects. *Proceedings of the Transportation Research Board 86th Annual Meeting* (CD). Washington, DC: TRB, January 21-25, 2007.
43. Migliaccio, G.C., Goel S., and O'Connor J.T., (2006). Life-Cycle Cost Analysis for Selection of Energy-Efficient Building Components in Lodging Facilities. In M. Ettouney (Ed.), *Proceedings of the 2006 Architectural Engineering National Conference* (CD). Omaha, NE: ASCE, March 29-April 1, 2006, ISBN 0784407983.
44. Gibson, G.E., O'Connor, J.T., Migliaccio, G.C., and Shrestha, P. P., (2005). Organizational and Communication Issues for Managing Design-Build Highway Projects. *International Conference on Construction Engineering and Management Proceedings* (CD), Seoul, South Korea: KICEM, 16-19 October 2005.
45. Migliaccio, G.C., O'Connor, J.T., and Gibson, G.E., (2005). Design-Build Procurement Process Model for Delivering Highways in Texas. In L. Soibelman and F. Peña-Mora (Eds.), *Proceedings of the 2005 ASCE International Conference on Computing in Civil Engineering* (CD). Cancun, Mexico: ASCE, July 12-15, 2005, ISBN 0784407940.
46. Migliaccio, G. C., Iannone, F., Dell'Osso, G. R., and Catalano, M., (2005). A Case Study for Using Energy Simulation and Life-cycle Costing in Selecting Building Retrofit Strategies. *Proceedings of 2005 International Conference on Energy, Environment and Disasters* (CD). Charlotte, NC: GIES, 24-30 July 2005.
47. Migliaccio, G.C., Gibson, G.E., and O'Connor, J.T., (2005). Delivering Highway Projects through Design-Build: Analysis of the Comprehensive Development Agreement (CDA) Procurement Process in Texas. In I.D. Tommelein (Ed.), *Proceedings of the 2005 ASCE Construction Research Congress*. San Diego, CA: ASCE, April 5-7, 2005, ISBN 0784407541.

Abstract-Reviewed Poster Presentations:

1. Migliaccio, G.C. and Gatti, U. C., (2013, April). A Study of Design Management in Transportation Design-Build Projects, Presented at *2013 Construction Industry Research Conference*. Seattle, WA: April 19, 2013.
2. Migliaccio, G.C., Minchin, R.E., Gatti, U. C., and Ptschelinzew, L., (2013, January). A Roadmap for Implementing Construction Manager General Contractor (CMGC) Project Delivery in Transportation, *Transportation Research Board 92th Annual Meeting* (CD). Washington, DC: TRB, January 13-17, 2013.
3. Gatti, U., Cheng, T., Migliaccio, G.C., Teizer, J., Bogus, S., and Schneider, S. (2012, July). Applying Construction Workforce Physical Strain Monitoring to Enhance Productivity Management. Poster session presented at *2012 Construction Industry Institute Annual Conference*. Baltimore, MD: July 23-25, 2012.
4. Migliaccio, G.C., D'Incognito, M., and Priyadarshini, S., and Tai, T., (2011, November). Construction Safety Performance Assessment, Presented at *2012 Construction Industry Research Conference*. Seattle, WA: November 4, 2011.
5. Gatti, U., Migliaccio, G.C., and Schneider S.S. (2011, April). "Measuring and Evaluating Physical Strain in Construction Workforce: A Way to Improve Productivity and Safety Management". *2011 47th Annual International Conference of the Associated Schools of Construction*, Omaha, NE, USA: ASC, April 6-9, 2011.
6. Bogus, S., Migliaccio, G.C., and Cordova, A., (2010, August). Data Quality Assessment & Improvement Framework (DQAIF) for Manual Pavement Distress Surveys. Poster session presented at *2010 Construction Industry Institute Annual Conference*. Orlando, FL: August 3-5, 2010.

7. Migliaccio, G.C., and Martinez R. M., (2009, August). Establishing a Collaborative Environment among Project Stakeholders. Poster session presented at *2009 Construction Industry Institute Annual Conference*. Reno, NV: August 5-6, 2009.
8. Migliaccio, G.C., Martinez A., and Zhang, S., (2009, August). Assessment of Methods for Adjusting Construction Cost Estimates by Project Location. Poster session presented at *2009 Construction Industry Institute Annual Conference*. Reno, NV: August 5-6, 2009.

Research Reports and Deliverables:

1. Minchin, E., Migliaccio, G.C., (2014). *Design-Management Guide for Design-Build and Construction Manager/General Contractor Projects*, Final Guidebook for Project 15-46 to National Cooperative Research Program, National Academies of Sciences (unpublished).
2. Minchin, E., Migliaccio, G.C., Atkins, K., Warne, T., Gatti, U., Ptschelinzew, L., Hostetler, G., and Asiamah., S. (2014). *Design-Management Guide for Design-Build and Construction Manager/General Contractor Projects*, Draft Final Report for Project 15-46 to National Cooperative Research Program, National Academies of Sciences (unpublished).
3. Gatti, U.C., El-Anwar, O., Migliaccio, G.C., and Lin, K.Y. (2013). *WSDOT Building Asset Management: An Exploratory Case Study of the Impact of Failures at the Corson Avenue TEF Shop on WSDOT Services*. Final Report for Project T4118-90 to Washington Department of Transportation, Washington State Transportation Center TRAC), <http://www.wsdot.wa.gov/research/reports/fullreports/824.1.pdf>
4. Minchin, E., Migliaccio, G.C., (2013). *Interim Report 2*, Status Report on Project 15-46 (Design-Management Guide for Design-Build and Construction Manager/General Contractor Projects) to National Cooperative Research Program, National Academies of Sciences (unpublished).
5. Minchin, E., Migliaccio, G.C., (2013). *Interim Report 1*, Status Report on Project 15-46 (Design-Management Guide for Design-Build and Construction Manager/General Contractor Projects) to National Cooperative Research Program, National Academies of Sciences (unpublished).
6. Bandini, P., Bogus, S. M., Migliaccio, G.C., Montoya, K. and Pham, H., (January, 2012). *Improving NMDOT's Pavement Distress Survey Methodology and Developing Correlations between FHWA's HPMS Distress Data and PMS Data*, Final Report for Project NM10MNT-01 to New Mexico Department of Transportation, Research Bureau, <http://dot.state.nm.us/content/dam/nmdot/Research/FinalReportw-apendicies-UseThisOne.pdf>
7. Migliaccio, G.C., Knoebel G., and Martinez, R., (November, 2010). *NCHRP Web-Only Document 171: Identification of Results-Oriented Public Involvement Strategies Between Transportation Agencies and Native American Tribal Communities*, Final Report for Project 08-65 (A Guidebook for Successful Communication, Cooperation, and Coordination Strategies between Transportation Agencies and Tribal Communities) to National Cooperative Research Program, National Academies of Sciences, http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_w171.pdf
8. Hall, J., Migliaccio, G.C., Tarefder, R., and Ghorai, S., (July, 2010). *Road Lifecycle Innovative Financing Evaluation (RoadLIFE)*, Deliverable for Project NM08ADM-01 to New Mexico Department of Transportation, Research Bureau (published).
9. Cordova, A., Bogus, S., Migliaccio, G.C., and Lenke, L., (2009). *2009 Pavement Evaluation Report*, Deliverable to New Mexico Department of Transportation, Maintenance Bureau (unpublished).
10. Migliaccio, G.C., Martinez, R., and Knoebel G., (2009). *Interim Report*, Status Report on Project 08-65 (A Guidebook for Successful Communication, Cooperation, and Coordination Strategies between Transportation Agencies and Tribal Communities) to National Cooperative Research Program, National Academies of Sciences (unpublished).
11. Cordova, A., Bogus, S., Migliaccio, G.C., and Lenke, L., (2008). *2008 Pavement Evaluation Report*, Deliverable to New Mexico Department of Transportation, Maintenance Bureau (unpublished).

12. Migliaccio, G.C., Martinez, R., and Knoebel G., (2008). *Technical Memorandum*, Status Report on Project08-65 (A Guidebook for Successful Communication, Cooperation, and Coordination Strategies between Transportation Agencies and Tribal Communities) to National Cooperative Research Program, National Academies of Sciences (unpublished).
13. Mammoli, A., Migliaccio, G.C., and Zandbergen, P., (2008). *Initial Assessment for Developing and Implementing a Statewide Energy Usage and Efficiency Database*, Report 08-521-0300-0310 to New Mexico Energy, Minerals and Natural Resources Department, Albuquerque, NM (unpublished).
14. Migliaccio, G.C., Shrestha, P. P., Clarke, M., O'Connor, J.T., and Gibson, G.E., (2006). *Final Report on Monitoring and Evaluation of SH-130 Project Construction*, Report 0-4661-5 to Texas Department of Transportation, Center for Transportation Research (CTR), Austin, TX. Retrieve from http://www.utexas.edu/research/ctr/pdf_reports/0_4661_5.pdf.
15. O'Connor, J.T., Gibson, G.E., Migliaccio, G.C., and Shrestha, P. P., and Clarke, M., (2006). *Early Implementation Efforts of Design-Build Delivery Method by Texas Department of Transportation*, Project Summary Report 0-4661-S to Texas Department of Transportation, Center for Transportation Research (CTR), Austin, TX.
16. O'Connor, J.T., Gibson, G.E., Clarke, M., Migliaccio, G.C., and Shrestha, P. P., (2006). *Lessons Learned System CD*, Deliverable 0-4661-P6 to Texas Department of Transportation, Center for Transportation Research (CTR), Austin, TX.
17. O'Connor, J.T., Gibson, G.E., Migliaccio, G.C., and Shrestha, P. P., (2006). *2006 SH-130 Innovations Workshop CD*, Deliverable 0-4661-P8 to Texas Department of Transportation, CTR, Austin, TX, March 2006, pp.36 + CD with videos and presentations.
18. O'Connor, J.T., Gibson, G.E., Migliaccio, G.C., and Shrestha, P. P., (2006). *2005 Annual Interim Report on the Monitoring and Evaluation of SH 130 Project Construction*, Report 0-4661-2 to Texas Department of Transportation, Center for Transportation Research (CTR), Austin, TX, pp.36. Retrieve from http://www.utexas.edu/research/ctr/pdf_reports/0_4661_2.pdf.
19. Gibson, G.E., O'Connor, J.T., Shrestha, P. P. and Migliaccio, G.C., (2006). *Plan for Performance Benchmarking of SH 130*, Report 0-4661-P5 to Texas Department of Transportation, CTR, Austin, TX, pp.94. Retrieve from http://www.utexas.edu/research/ctr/pdf_reports/0_4661_P5.pdf.
20. O'Connor, J.T., Gibson, G.E., Migliaccio, G.C., and Shrestha, P. P., (2006). *Organizational Structures and Communications on the SH130 Project*, Report 0-4661-P3 to Texas Department of Transportation, CTR, Austin, TX, pp. 122. Retrieve from http://www.utexas.edu/research/ctr/pdf_reports/0_4661_P3.pdf.
21. O'Connor, J.T., Gibson, G.E., and Migliaccio, G. C., (2005). *R1-2004 Annual Interim Report*, Report 0-4661-1 to Texas Department of Transportation, CTR, Austin, TX, pp.32. Retrieve from http://www.utexas.edu/research/ctr/pdf_reports/0_4661_1.pdf.
22. O'Connor, J.T., Gibson, G.E., and Migliaccio, G. C., (2004). *Essential Elements of CDA Master Contract*, Report 0-4661-P2 to Texas Department of Transportation, CTR, Austin, TX, pp.82. Retrieve from http://www.utexas.edu/research/ctr/pdf_reports/0_4661_P2.pdf.
23. O'Connor, J.T., Gibson, G.E., and Migliaccio, G. C., (2004). *CDA Procurement Process Model*, Report 0-4661-P1 to Texas Department of Transportation, CTR, Austin, TX, pp.56. Retrieve from http://www.utexas.edu/research/ctr/pdf_reports/0_4661_P1.pdf.

Academic Theses, Reports and Dissertations:

1. Migliaccio, G. C., (2007). *Planning for Strategic Change in the Project Delivery Strategy* (Doctoral Dissertation, University of Texas at Austin). Retrieve from <http://repositories.lib.utexas.edu/bitstream/handle/2152/3370/migliaccioid14325.pdf?sequence=2>.

2. Migliaccio, G. C., (2006). *Life-Cycle Cost Analysis for Selection of Energy-Efficient Building Retrofit Strategies* (Unpublished Master Report, Department of Civil, Architectural and Environmental Engineering, University of Texas at Austin).
3. Migliaccio, G. C., (2000). *The Role of Public Buildings into the Municipal Energy Budget* (Unpublished Laurea Thesis, Politecnico di Bari, Italy).

Other Contributions:

1. Migliaccio, G.C., O'Connor, J.T., and Gibson, G.E., (2005). Lessons Learned on Design-Build Procurement for Highway Projects. *Graduate and Industry Networking Conference Proceedings*, Austin, TX: University of Texas at Austin, April 28, 2005.
2. Migliaccio, G.C., Goel S., and O'Connor J.T., (2005). Life-Cycle Cost Analysis for Selection of Energy-Efficient Building Components in Lodging Facilities. *Book of Abstracts of the 2005 International Conference on Energy, Environment and Disasters*, 24-30 July 2005, Charlotte, NC, USA, pp.19.
3. Borri, D., Catalano, M., Dell'Osso, G.R., Migliaccio, G.C., and Patano, M., (2000). A Research Protocol for Assessing Effects of Built Environment on Insurgence of Asthma, presented by Dino Borri in *Habitat 2000 Conference*. Lecce, Italy: November 2000.

PUBLIC SPEAKING EVENTS:

Dr. Migliaccio's Selected Public Speaking Events:

1. Invited speaker: "Understanding Processes Affecting Construction Workers' Performance through Use of Bio and Environmental Sensing," Presentation to *NWCCC Annual Conference*, October 21, 2015, Everett, WA.
2. Invited speaker: "The Importance of Managing Scope and Risks on Construction Projects," Presentation to Universidad de Piura, July 10, 2015, Piura, Peru.
3. Invited speaker: "Divulgazione dei progetti Messaggeri della Conoscenza," Tele-presentation to University of Naples, Federico II, February 27, 2015, Naples, Italy.
4. Invited speaker: "Design-Management for Design-Build and Construction Manager/General Contractor Projects," Presentation to TRB AFH15 committee, January 23, 2015, Washington, DC.
5. Invited speaker: "Design-Management for Design-Build and Construction Manager/General Contractor Projects," Presentation to University of Naples, Federico II, July 25, 2014, Naples, Italy.
6. Featured speaker: "Power Up Your Crews, Peak Performance on the Jobsite – University of Washington / Skanska Innovation Grant". Presentation at *2013 Construction Industry Research Conference*, Seattle, WA.
7. Invited speaker: "Construction Research and Educational Activities at UW Department of Construction Management," Presentation to Tianjin University Construction Management Students, April 10, 2012, Tianjin, China.
8. Invited speaker: "Construction Ergonomics and Safety Research and Educational Activities at UW Department of Construction Management," Presentation to Tsinghua University Construction Safety Research Center, April 9, 2012, Beijing, China.
9. Invited trainer: "Planning: Strategies for Successful Transportation Projects on Tribal Lands," Webcast training session for America's Byway Resource Center, July 2011.
10. Invited trainer: "Train-the-trainer session on NCHRP Report 690," Training Session to directors of TTAP centers, May 6, 2011, Nashville, TN.

11. Invited speaker: "A Guidebook for Communication, Coordination, and Cooperation between Tribal Communities and Transportation Agencies," Presentation to TRB ABE80 committee, January 23, 2011, Washington, DC.
12. Featured speaker: "Research in Construction Management: A Melting Pot of Disciplines," Presentation to *Research Exposed!* (UW Undergraduate Research Program Seminar Series), October 20, 2010, Seattle, WA.
13. Invited speaker: "Assessing Physical Strain in Construction Workforce: An Initial Step for Improving Safety and Productivity Management," Presentation to NIST Building and Fire Research Laboratory (BFRL), September 1, 2010, Gaithersburg, MD.
14. Panel moderator and speaker: "Establishing a Collaborative Environment among Project Stakeholders: Transportation Agency/Tribe Collaboration Guidebook," *2009 NW Tribal Transportation Symposium*, April 21, 2010, Portland, OR.
15. Webinar speaker: "NCHRP Transportation Agency/Tribe Collaboration Guidebook," *FHWA Tribal Technical Assistance Program Network*, February 29, 2010.
16. Panel moderator and speaker: "Partnerships between Tribes and Transportation Agencies," *NW Transportation Conference*, February 10, 2010, Corvallis, OR.
17. Panel moderator and speaker: "Collaboration between Tribes and Transportation Agencies," *Paving and Transportation Conference*, January 4-5, 2010, Albuquerque, NM.
18. Invited panelist: "Indian Country Research: Issues and Expectations," *Transportation Research Board, Session #701*, January 13, 2010, Washington, DC.
19. Invited speaker: "3C Strategy Selection Toolbox," *Intertribal Transportation Association Conference*, December 9-11, 2009, Las Vegas, NV.
20. Invited speaker: "The Next Step toward Zero Accidents: Technology for a Construction Worker-Centered Approach," *AGC New Mexico Safety Committee Meeting*, October 20, 2009, Albuquerque, NM.
21. Invited speaker to plenary session: "NCHRP 08-65 – A Guidebook for Successful Communication, Cooperation and Coordination Strategies between Transportation Agencies and Tribal Communities" *2009 MNDOT/FHWA/ BIA Tribes and Transportation Annual Conference*, October 1-2, 2009, Duluth, MN.
22. Invited speaker to breakout session: "Successful Tribal Communication and Coordination on Cultural Resource Preservation," *2009 MNDOT/FHWA/ BIA Tribes and Transportation Annual Conference*, October 1-2, 2009, Duluth, MN.
23. Invited panelist for workshop "What Every Transportation Professional Needs to Know about Tribal Transportation," Presentation Title: "Overcoming Barriers to Data/Knowledge Gaps: NCHRP Project 08-65" *Transportation Research Board, Workshop #172*, January 11, 2009, Washington, DC.
24. Invited to organize a workshop: "Issues and Communication, Coordination and Cooperation Strategies between Transportation Agencies and Tribal Communities," *Intertribal Transportation Association Conference*, December 12, 2008, Las Vegas, NV.
25. Invited speaker: "Successful Communication, Coordination and Cooperation Strategies between Transportation Agencies and Tribal Communities", *National Congress of American Indians, Transportation Committee*, October 17, 2008, Phoenix, AZ.
26. Panel coordinator "Planning for Strategic Change in Project Delivery Strategy," *Design-Build Institute of America (DBIA) Transportation Annual Conference*, April 17, 2008, Louisville, KY.
27. Invited speaker: "Selecting Building Retrofit Strategies through Energy Simulation and Life-Cycle Costing," *2005 Engineers for a Sustainable World (ESW) National Conference*, October 8, 2005, Austin, TX, USA.

Selected Presentations by Research Trainees/Advisees:

1. D'Incognito, M. and Priyadarshini, S., "Construction Safety Performance Assessment". *Construction Industry Research Conference*, Nov 2, 2011, Seattle, WA, USA.
2. Tai, T., "HP Catalyst Initiative at UW Department of Construction Management". *Construction Industry Research Conference*, Nov 2, 2011, Seattle, WA, USA.
3. Gatti, U.C. "Wearable Physiological Status Monitors for Measuring and Evaluating Worker's Physical Strain", *2011 ASCE International Conference on Computing in Civil Engineering*, Miami, FL: ASCE, June 19-22, 2011.
4. Gatti, U., "Assessing Physical Strain in Construction Workforce: A First Step for Improving Safety and Productivity Management". *2011 CSCE Annual General Meeting & Conference*, Ottawa, ON, Canada: CSCE, June 14-17, 2011.
5. Gatti, U., "Measuring and Evaluating Physical Strain in Construction Workforce: A Way to Improve Productivity and Safety Management". *2011 47th Annual International Conference of the Associated Schools of Construction*, Omaha, NE, USA: ASC, April 6-9, 2011.
6. Sharrer, A., Using Workforce's Physiological Strain Monitoring to Enhance Social Sustainability of Construction. *International Conference on Sustainable Design and Construction 2011 (ICSDC 2011)* (CD). Kansas City, KS: ASCE, March 23-25, 2011.
7. Gatti, U., "Assessing Physical Strain in Construction Workforce: A First Step for Improving Safety and Productivity Management". *2010 ISARC Conference*, June 25-27, 2010, ISARC, Bratislava, SK.
8. Cordova, A., "Data Quality Assessment & Improvement Framework (DQAIF) for Manual Pavement Distress Surveys". *2010 Construction Industry Institute Annual Conference*, August 3-5, 2010, CII, Orlando, FL.
9. Gatti, U., "Measuring and Evaluating Physical Strain in Construction Workforce". *2010 ASSE New Mexico Conference*, April 15, 2010, ASSE, Albuquerque, NM.
10. Martinez R.M., "Collaborative Environment through the Use of Intergovernmental Networks," *Transportation Research Board 89th Annual Meeting*, January 10-14, 2010, TRB, Washington, DC.
11. Martinez R.M., "Best Practices for Communication, Coordination and Cooperation between Tribal Communities and Transportation Agencies," *2009 Navajo DOT Conference*, October 27-29, 2009, Mesa, AZ. Martinez R.M., "Establishing a Collaborative Environment among Project Stakeholders," *2009 Construction Industry Institute Annual Conference*, July 29-30, 2009, CII, Reno, NV.
12. Martinez A.A., "Assessment of Methods for Adjusting Construction Cost Estimates by Project Location," *2009 Construction Industry Institute Annual Conference*, July 29-30, 2009, CII, Reno, NV.
13. Martinez, A.A., "Adjusting Construction Cost Estimates by Geographical Location," *2009 AACE International Annual Meeting* (CD), Association for the Advancement of Cost Engineering (AACE), June 28 – July 1, 2009, AACE, Seattle, WS.
14. Martinez, R.M., "A Review of Public Involvement Strategies between Transportation Agencies and Native American Tribal Communities," *Transportation Research Board 88th Annual Meeting* (CD), January 11-15, 2009, TRB, Washington, DC.
15. Martinez, R.M., "A Review of Public Involvement Strategies between Transportation Agencies and Native American Tribal Communities," *46th Paving and Transportation Conference*, January 5-6, 2009, ATRI, Albuquerque, NM.

PROPOSAL WRITING ACTIVITIES:

AT THE UNIVERSITY OF WASHINGTON

Funding Statistics (at UW):

- Total number of funded research proposals (PI/Co-PI): 10
- Total amount secured: \$1,114,000 (UW Component ~ \$670,000)
- Additional proposals selected for funding: 3 proposals for \$210,999¹

Contracts, Grants and Gifts by Funding Organization:

- Transportation Research Board of the National Academies: National Cooperative Highway Research Program (2 proposal)
- Hewlett Packard Global Social Innovation (3 proposals)
- OSHA (1 proposal)
- WSDOT (1 proposal)
- Skanska USA Building (1 proposal)
- Pacific Northwest Transportation Consortium (2 proposals)

Funded Proposals:

1. Principal Investigator: *Learning to Create Sustainable Built Environments: Experiential and Contextual Learning (ECL) with Information and Communication Technology for a 21st Century Collaborative Global Education*, HP Catalyst Initiative, \$ 158,000 (~\$130,000 in equipment + \$20,000 in cash + \$5,000 in services + \$3,000 in travel funds to attend HP Catalyst Summit in Beijing). Co-PIs: Carrie Dossick, Ken-Yu Lin, Omar El-Anwar, and Ahmed Aziz. Period: September 2011-August 2013.
2. Principal Investigator: Extension of *Learning to Create Sustainable Built Environments: Experiential and Contextual Learning (ECL) with Information and Communication Technology for a 21st Century Collaborative Global Education*, HP Catalyst Initiative, \$ 23,000 (~\$20,000 in additional equipment + \$3,000 in travel funds for a second attendee to HP Catalyst Summit in Beijing). Period: September 2011-August 2013.
3. Co-Principal Investigator: *Developing Fall Protection Training Materials for Non-English Speaking and Illiterate Construction Workers*, OSHA Susan Harwood Training Grant, ~\$43,000. PI: Ken-Yu Lin. Period: September 2011-December 2012.
4. Co-Principal Investigator: *Design Management Guide for Design Build and Construction Manager/General Contractor Projects*, subcontract from University of Florida on research contract by TRB National Cooperative Highway Research Program, NCHRP 15-46, UW amount = \$95,000 (Total Amount = \$400,000). PI: Edward Minchin. Period: May 2012-October 2013.
5. Co-Principal Investigator: *Building Asset Management: An Exploratory Case Study*, Washington Department of Transportation, ~\$15,000. PI: Omar El-Anwar, Co-PIs: Giovanni Migliaccio, Ken-Yu Lin. Period: November 2012-June 2013.
6. Principal Investigator: *Field Study of Physiological Status Monitoring (PSM) Technologies*, Skanska USA Buildings, \$10,000. Period: June 2013-December 2013.
7. Principal Investigator: *ECL+VI Construction Catalyst – Merging UW Experiential and Contextual Learning (ECL) Model with MMUST Vertical Integration Model*, HP Leadership Fund, UW amount

¹ These proposals were selected for funding but not funded for factors beyond Dr. Migliaccio's control. For more details, see list of proposals in next page.

= \$68,000 (Total Amount = \$100,000). Co-PIs: Ahmed Aziz, Ken-Yu Lin, Omar El-Anwar, Carrie Dossick, Kimo Griggs. Period: July 2012-June 2014.

8. Co-Principal Investigator: *Identifying and Analyzing the Relative Advantages and Disadvantages of Public-Private Partnerships and Traditional Delivery for Roadway Projects*, Pacific Northwest Transportation Consortium, ~\$25,000. PI: Jan Whittington. Period: September 2013-October 2014.
9. Co-Principal Investigator: *Analysis of Roadway Safety under the Alternative Project Delivery Systems*, Pacific Northwest Transportation Consortium, ~\$40,000. PI: Ahmed Aziz. Period: July 2015- June 2016.
10. Co-Principal Investigator: *Sustainable Highway Construction Practices*, on research contract by TRB National Cooperative Highway Research Program, NCHRP 10-91A, Contract amount = \$300,000. PI: Steve Muench. Period: August 2016-July 2018.

Additional Proposals Selected for Funding (after selection a contract or grant was not awarded due to funding shortfall or other issues):

1. Principal Investigator (Apr 2011) – Field Study of Physiological Status Monitoring (PSM) Technologies, FIATECH: this project was approved by the FIATECH board, but a change in FIATECH staff resulted in missing an internal deadline to award the funding.
2. Principal Investigator (July 2011) – Protection of Tribal-Sensitive Resources during Construction of Transportation Improvements, Transnow, UW University Transportation Center, Jul 2011 – Jun 2012 (Total = \$295,000; USDOT Funding = \$117,445; WSDOT Funding = \$60,945): this project was selected for funding by Transnow (UW-based University Transportation Center). While waiting for the execution of a research contract, USDOT dissolved all University Transportation Centers, including Transnow.
3. Principal Investigator (June 2012) – Worker health and safety monitoring in a steel manufacturing and fabrication environment; Sponsor: AIST Foundation; Fund request: \$7,500: this project was selected for funding by AIST, but the unavailability of a SMA-member company in the Northwest to act as the mentor for the project resulted in not pursuing this opportunity.

AT THE UNIVERSITY OF NEW MEXICO

Funding Statistics (at previous institution):

Total funding secured: **\$1,389,412 (shared budget); ~\$558,000 (individual budget)**

Total number of funded research proposals (PI/Co-PI): **6**

Contracts and Grants by Funding Agency:

Transportation Research Board of the National Academies: National Cooperative Highway Research Program (1 proposal)

New Mexico Department of Transportation Research Bureau (2 proposals)

New Mexico Department of Transportation Maintenance Bureau (1 proposal)

New Mexico Energy, Minerals, and Natural Resources Department (1 proposal)

University of New Mexico – Resource Allocation Committee (1 proposal)

Funded Grants and Contracts:

1. Advanced Algorithms for Adjusting Cost Estimates by Location, UNM Resource Allocation Committee, Interdisciplinary Large Grant-in-Aid for Research program, Co-PIs **Migliaccio** and Guindani, Apr 2010-Sep 2010 (\$7,965).
2. Improve the Accuracy and Validity of NMDOT's Pavement Condition Surveys and Develop Methods for Estimating FHWA's New HPMS Pavement Cracking Data from PMS Data, NM10MNT-01, New Mexico Department of Transportation, Co-PIs Bandini, Bogus, and **Migliaccio**, Oct 2009–Feb 2011 (\$90,000).
3. A Guidebook for Successful Communication, Collaboration and Coordination Strategies between Transportation Agencies and Tribal Communities, NCHRP 08-65, National Cooperative Highway Research Program, Transportation Research Board of the National Academies, PI **Migliaccio**, Apr 2008–Apr 2010 (\$199,970).
4. Road Lifecycle Innovative Financing Evaluation (Road LIFE), NMDOT NM08ADM-01, New Mexico Department of Transportation, Co-PIs Hall, **Migliaccio** and Tarefder, Mar 2008–Mar 2010 (\$108,499).
5. Pavement Condition Evaluation - UNM - Northern New Mexico, New Mexico Department of Transportation, Co-PIs Bogus and **Migliaccio**, Jan 2008–Dec 2010 (\$932,978).²
6. Statewide Energy Usage and Efficiency Database Initial Assessment, EMNRD 08-521-0300-0310, N Energy, Minerals, and Natural Resources Department (ENMRD), Co-PIs Mammoli and **Migliaccio**, Apr 2008–Jun 2008 (\$50,000).

² The last year of this project was canceled due to NMDOT budgetary constraints.

RECENT ACADEMIC AND PROFESSIONAL EXPERIENCE:

09/14 – current	Associate Professor (tenured), University of Washington
10/16-01/17	Project engineering intern, PCL Construction, Seattle, WA
07/15-09/15	Project engineering intern, PCL Construction, Seattle, WA
04/14–08/14	Visiting Professor, University of Naples, Federico II, Italy
08/10–08/16	Assistant Professor (tenure-track), University of Washington
08/10–12/11	Visiting Assistant Professor, University of New Mexico
08/07–08/10	Assistant Professor (tenure-track), University of New Mexico
09/06–06/07	Graduate Research Assistant (GRA), Sloan Center for Construction Industry Studies
09/03–08/06	GRA, Center for Transportation Research, the University of Texas at Austin
10/01–06/02	Civil Works and TI Specialist, IPSE 2000, Milan, Italy
03/01–10/01	Civil Works Consultant, Nokia Networks, Milan, Italy
12/00–03/01	Civil Engineering Consultant, Misceo Engineering, Bari, Italy
12/00–03/01	Research Intern, Department of Architecture and City Planning, Politecnico di Bari
08/00–12/00	Civil Works Consultant, Nortel Networks Agent, Noci, Italy

INTERNATIONAL, NATIONAL, UNIVERSITY SERVICE ACTIVITIES:

Member of University and Departmental Committees:

- University of Washington,
 - CM Department, Master Curriculum Committee, September 2015 – Present.
 - CM Department, CERC Steering Committee, Spring 2015 – Present.
 - College of Built Environments, Search Committee for Runstad Center Director, September 2015-Present
 - Campus, Faculty Council on University Facilities and Services, Sept. 2014 – Present
 - College of Built Environments, Interdisciplinary Group in Real Estate (IGRE), September 2014-Present
 - College of Built Environments, Ph.D. Steering Committee, October 2014-Present
 - CM Department, Master Admission Committee, 2013 – Present.
 - CM Department, Bachelor Curriculum Committee, 2013 – Present.
 - Civil and Environmental Engineering Dept., Search Committee for Construction Engineering Faculty, 2012-13
 - Architecture Dept., Search Committee for Structure Faculty, 2012-13
 - CM Department, Lead, Construction Materials and Methods Lab, 2010-present
 - CM Department, Member, Undergraduate Admissions Committee, 2011, 2013
 - CM Department, Member, Construction Industry Research Conference Organizing Committee, 2011-present
 - CM Department, Chair, Construction Advisory Council, Industry Trends/Research Subcommittee, 2012-2014
 - CM Department, Chair, Construction Advisory Council, Membership Subcommittee, 2014-2015
 - College of Built Environment, Reviewer for PhD Committee, PhD applications, 2011, 2012, 2013, 2014, 2015
 - College of Built Environment, Member, Committee on Gould Hall Renovation, 2011
 - College of Built Environment, Facilitator, Taskforce on Curriculum Efficiency – Building Technology, 2012
- University of New Mexico
 - Campus Development Advisory Committee, 2009-10
 - Civil Engineering Department, Outreach Committee, 2009-10
 - Civil Engineering Department, Equipment Committee, 2007-10
 - Civil Engineering Department, Search Committee for Construction Lecturer, 2009

Member of Editorial Boards:

- Assistant Specialty Editor in Construction Contracting, Editorial Board of the *ASCE Journal of Construction Engineering and Management*, 2009–present

National/International Outside Professional Activities:

- Awardee, *Design and deliver course on Project Management for Italian Engineering Students*, International Competition Knowledge Messengers Program (*Messaggeri della Conoscenza*), Higher Education Department, Italian Ministry of Education, University and Research (*Ministero dell'Istruzione, dell'Università e della Ricerca*), 2014, Total Budget = 42,240 Euros.
- Awardee, *Design and deliver course on Construction Contracting for Italian Engineering Students*, Knowledge Messengers Program (*Messaggeri della Conoscenza*), Higher Education Department, Italian Ministry of Education, University and Research (*Ministero dell'Istruzione, dell'Università e della Ricerca*), 2014, Total Budget = 42,240 Euros.

- Awardee, *Design and deliver course on Construction Equipment Management for Italian Engineering Students*, Knowledge Messengers Program (*Messaggeri della Conoscenza*), Higher Education Department, Italian Ministry of Education, University and Research (*Ministero dell'Istruzione, dell'Universita' e della Ricerca*), 2014, Total Budget = 42,240 Euros.
- Awardee, *Design and deliver course on Advanced Construction Equipment Management for Italian Engineering Students*, Knowledge Messengers Program (*Messaggeri della Conoscenza*), Higher Education Department, Italian Ministry of Education, University and Research (*Ministero dell'Istruzione, dell'Universita' e della Ricerca*), 2014, Total Budget = 42,240 Euros.
- Consultant, *Technical Assistance Assignment with the GSURR Global Programs to Help Develop a Capital Investment Plan for Kampala, Uganda*, The World Bank.

Member of National/International Panels:

- Member, *Panel G17-49, Guide for Effective Tribal Crash Reporting*, National Cooperative Highway Research Program, Transportation Research Board, 2011-present
- Member, *Panel SHRP 2 R11, Strategic Approaches at the Corridor and Network Levels to Minimize Disruption from the Renewal Process*, Strategic Highway Research Program, Transportation Research Board, 2008-09

Reviewer for Journals, and Publishers:

- Reviewer, *Journal of Civil Engineering and Management*, 2013-present
- Reviewer, *Built Environment Project and Asset Management Journal*, 2011-present
- Reviewer, *Public Works, Management and Policy Journal*, 2009-present
- Reviewer, *ASCE Publishing*, 2009
- Reviewer, *ASCE Journal of Construction Engineering and Management*, 2008-present
- Reviewer, *Construction Management and Economics Journal*, 2008-present
- Reviewer, *ASCE Journal of Engineering Management*, 2007-present
- Reviewer, *ASCE Journal of Architectural Engineering*, 2007-2008
- Reviewer, *Automation in Construction*, 2013-present

Reviewer for Funding Agencies:

- Reviewer, *National Science Foundation*
- Reviewer, *Transportation Research Board*
- Reviewer, *Dean of Scientific Research at King Fahd University of Petroleum & Minerals*, 2009, 2015

Member of Technical Committee and/or Reviewer for Conferences:

- Chair, Technical track on Contracting and Legal Issues, *ASCE 2014 Construction Research Congress*, May 19-21, 2014, Atlanta, GA
- Member of Technical Committee, *2013 Sustainable Building & Construction Conference*, July 3-5, 2013, Coventry, UK
- Member of Organizing Committee, *2013 Construction Industry Research Conference*, April 19, 2013, Seattle, WA
- Reviewer, *ASCE 2012 Construction Research Congress*, May 21 - 23, 2012, West Lafayette, IN
- Member of Organizing Committee, *2011 Construction Industry Research Conference*, November 4, 2011, Seattle, WA
- Member of Scientific Committee, *The International Conference on Sustainable Systems and the Environment*, March 23-24, 2011, Sharjah, EUA
- Member of Scientific Committee, *ASCE 2011 International Conference in Sustainable Design and Construction*, March 23 - 25, 2011, Kansas City, KS
- Reviewer, *ASCE 2011 Construction Research Congress*, June 14-17, 2011, Banff, Alberta, Canada
- Member of Scientific Committee, *2nd International Conference on Engineering Systems Management & Applications (ICESMA)*, March 30- April 1, 2010, Sharjah, EUA
- Reviewer, *ASC 46th Annual International Conference* held in conjunction with the *CIB Workgroup 89*, April 7-10, 2010, Boston, MA
- Reviewer, *ASCE 2010 Construction Research Congress*, April 5-7, 2010, Seattle, WA

Member of Professional and Industry Committees:

- Member of Construction Industry Institute Academic Committee, 2009-present
- Member and Committee Research Coordinator of Transportation Research Board ABE80 Native American Transportation Issues Committee, 2009-present
- Member of TRB AFH15 Project Delivery Methods Committee, 2011-present
- Member of Board of Trustees of Construction Industry Training Council of Washington, 2012-present

Member of Professional and Academic Societies:

- Registered member of Italian professional Board of Engineers, 2000-present
- Member of American Society of Civil Engineers (ASCE), 2006-2011
- Member of ASCE Architectural Engineering Institute (AEI), 2006-2011
- Member of ASCE Construction Institute, 2006-2011
- Member of Construction Research Council, 2007-present
- Member of ASCE Northern New Mexico Branch, 2008-2010
- Full member of Sigma Xi Honor Society, 2008-2009
- Affiliated of the Italian Scientists and Scholars of North America Foundation, 2008-present
- Member of Associated Schools of Construction (ASC), 2009-present

Academic/Professional Event Organizer:

- *Workshop at 2013 TRB Annual Meeting on Fast Tracking Mega Projects*, January 2013, Washington, DC.
- *Panel Session at 2012 TRB Annual Meeting on Alternative Technical Concepts in DB Projects*, January 2012, Washington, DC.
- *Panel Session at 2011 TRB Annual Meeting on Public Involvement during Construction*, January 2011, Washington, DC.
- *Panel Session at NW Transportation Conference*, February 10, 2010, Corvallis, OR.
- *Panel Session at Design-Build Institute of America (DBIA) Transportation Annual Conference*, April 17, 2008, Louisville, KY.

Participation in Student-led Societies, Clubs and Associations:

- Association Students in Construction, CM Department, Coach of Student Team for ASC Reno competition, 2013-2015
- Association Students in Construction, CM Department, Coach of Student Team for DBIA competition, 2014-2016
- Washington Yacht Club (student-led UW Sailing Club), Member, Adviser and Instructor for Sailboard Program, 2011-2013