

# **CURRICULUM VITAE**

**OF**

**GIOVANNI C. MIGLIACCIO**

Chair and Professor, Department of Construction Management  
Civil Engineer (Italy) | Ph.D. and M.S. in Civil Engineering, University of Texas at Austin  
Howard S. Wright Endowed Professorship  
University of Washington, Seattle

## A. CONTACT INFORMATION

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## B. EXECUTIVE LEADERSHIP PROFILE

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Department Chair and Professor leading a public research university program through enrollment growth, faculty and staff recruitment, curriculum renewal, accreditation, and expanded industry engagement.

*Selected leadership outcomes:*

- **Budget & Resources:** Oversight of multi-million-dollar annual operating budgets across state-funded (ABB) and fee-based programs; strategic alignment of resources with academic priorities
- **Enrollment Impact:** Undergraduate enrollment +78%; M.S. enrollment +22%; Online M.S. enrollment +50%
- **Faculty & Staff Leadership:** Recruited 7 continuing faculty (≈50% of full-time faculty), 4 professional staff (100% of current staff), and the majority of current part-time faculty
- **Fundraising & Advancement:** ≈\$500,000 raised for student scholarships and capital improvements, including a new 45-seat instructional computer laboratory, and a new 90-seat classroom
- **Sponsored Research:** Sponsored research leadership (\$2.7M+ external funding)

## C. DEPARTMENT CHAIR LEADERSHIP HIGHLIGHTS (2019–PRESENT)

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### Faculty and Staff

- Recruited 7 continuing faculty (≈50% of full-time faculty) and the majority of current part-time instructors
- Rebuilt the entire professional staff team
- Mentored faculty through reappointments and promotions

### Enrollment and Programs

- Undergraduate enrollment +78%
- M.S. enrollment +22%
- Online M.S. enrollment +50%

### Accreditation, Curricula, and Student Outcomes

- Led seven-year ACCE reaccreditation through 2032
- Redesigned undergraduate and graduate curricula
- Revamped capstone, admissions, and minor programs

### Financial and Operational Leadership

- Oversight of multi-million-dollar budgets across state and fee-based programs
- Realigned program finances and workload policies
- Rebuilt departmental operations during COVID disruption

### External Engagement and Advancement

- Raised approximately \$500,000 for scholarships and facilities
- Expanded advisory council membership by ≈35%
- Increased annual contributions by ≈350%
- Expansion of career fair to a campus-wide event with 100+ participating firms annually

### Interdisciplinary and Research Initiatives

- Joint online M.S. with Civil & Environmental Engineering
- Concurrent degree with Real Estate
- Secured startup and lab funding for new faculty

## **D. LEADERSHIP AND ADMINISTRATIVE ROLES:**

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04/20 – present	Chair, Department of Construction Management, University of Washington
5/23 – 12/23	Chair, BE PhD Task Group, University of Washington
9/20 – 3/21	Chair, Capital Projects Workforce Development Advisory Committee, UW
12/19 – 03/20	Acting Chair, Department of Construction Management, University of Washington
09/19 – 12/19	Associate Chair, Department of Construction Management, University of Washington
03/18 – 03/24	Executive Director <sup>1</sup> , CERC, University of Washington

## **E. ACADEMIC AND PROFESSIONAL APPOINTMENTS**

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### ***Academic Appointments***

09/21 – present	Professor, Construction Management, University of Washington
09/14 – 09/21	Associate Professor, Construction Management, University of Washington
08/10 – 09/14	Assistant Professor, Construction Management, University of Washington
08/07 – 07/10	Assistant Professor, Civil Engineering, 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

### ***Concurrent Academic Appointments***

04/14 – 08/14	Visiting Professor, University of Naples, Federico II, Italy
08/10 – 12/11	Visiting Assistant Professor, University of New Mexico

### ***Professional Experience***

- Consultant through UW Service Agreement, Remote technical assistance assignments with the UNIDO to help develop a capital investment plan for five cities in India, UNIDO, Summer 2021.
- Consultant (Form 1460), Technical assistance assignments with the GSURR global programs to help develop a capital investment plan for five cities in Turkey, The World Bank, December 2019.
- Consultant (Form 1460), Technical assistance assignment with the GSURR global programs to help develop a capital investment plan for Kampala, Gulu, Mbale, Fort Portal, Lira, and Entebbe, Uganda, The World Bank, September 2017-March 2018.
- Consultant (Form 1460), Technical assistance assignment with the Social Urban Rural and Resilience Global Practice (GSURR) global programs to help develop a capital investment plan for Kampala, Uganda, The World Bank, August 2015-March 2016.
- Project & Field Engineering Consultant (Sabbatical Leave), PCL Construction, Seattle, WA, October 2016-May 2017.
- Project & Field Engineering Faculty Intern, PCL Construction, Seattle, WA, July 2015-September 2015.
- Civil Works and Telecom Specialist, IPSE 2000, Milan, Italy, October 2001-June 2002.
- Civil Works Consultant, Nokia Networks, Milan, Italy, March 2001-October 2001.
- Professional Engineering Consultant, Misceo Engineering, Bari, Italy, December 2000-March 2001.
- Civil Works Consultant, Nortel Networks Agent, Noci, Italy, August 2000-December 2000.

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<sup>1</sup> Whereas I still hold most the responsibilities of this position, they have been absorbed under those of chair.

## F. EDUCATION AND LICENSURE

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

Program: Civil Engineering; Thematic Area: Construction Engineering and Project Management

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

Program: Civil Engineering; Thematic Area: Construction Engineering and Project Management

**Italian Professional Engineer License**, *Politecnico di Bari*, Italy, 2000

*Albo dell'Ordine degli Ingegneri* (Professional Engineering Board), Taranto, Italy, 2000-present

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

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

## G. HONORS AND AWARDS

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- **Affiliate Fellowship**, Runstad Department of Real Estate (formerly Runstad Center for Real Estate Studies), 2015-16, UW.
- **P.D. Koon Professor in Construction Management**, Endowed Professorship in CM, 2014-present (on hold while on Howard S. Wright Endowed Professorship), UW.
- **Construction Industry Institute (CII), 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.*).
- Received the “**Richard and Shirley Tucker Endowed Scholarship**” three times in Construction Engineering and Project Management for achievements in research, and coursework (as a graduate student at the University of Texas at Austin, 2004-2007)

### *National/International Competitive Awards:*

- International Competitive Award, “*Messaggeri della Conoscenza*” (Knowledge Messengers), Italian Ministry of Education, 2014. Four course proposals funded (ranked 25th–28th of 350 submissions), 168,960 Euro.
  - 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 Project 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 Project 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'Università e della Ricerca*), 2014, Total Project 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'Università e della Ricerca*), 2014, Total Project Budget = 42,240 Euros.

### *Awards for Student Trainees/Advisees*

- **Idris Soliu**, Valle Scholarship to spend six months for graduate study and research at the Technical University of Denmark (DTU), University of Washington (March 16, 2023); Excellence in Academic Achievement, Department of Construction Management, University of Washington (June 10, 2023).
- **Ruben Salazar-Izquierdo**, Excellence in Academic Achievement, Department of Construction Management, University of Washington (June 10, 2022).
- **Wonil Lee**, Excellence in Academic Research, Department of Construction Management, University of Washington (June 10, 2016); The Graduate School Fund for Excellence and Innovation (GSFEI) Graduate Student Travel Grant, University of Washington (Summer 2016); Dr. John Schaufelberger Scholarship Award, Department of Construction Management, University of Washington (Autumn 2015); Department Fellowship, Department of Construction Management, University of Washington (Spring 2017, Spring 2018); Research Assistantship, University of Washington as tuition-waiver and monthly stipend (Autumn 2013-Spring 2016); Doctoral Fellowship, University of Washington as tuition-waiver and monthly stipend (Autumn 2012– Spring 2013)
- **Luigi Capuano, Dalila de Francesco, Luca Di Costanzo, Lucia Falciano, Luigia Iannotta, Gaia Maria Pisani, Ciro Varriale, Nunzio Viscione**, Travel Fellowship, Autumn 2014, [\*Messaggeri della Conoscenza\*](#)
- **Umberto Gatti**, 2012 CII Annual Meeting, Best Poster Award, Baltimore, MD; 2011 Canadian Graduate Student Colloquium, First Place, CSCE, Ottawa, CA.
- **Rebecca M. Martinez**, 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
- **Francisco Forns-Samso, Adam A. Martinez, Su Zhang** CFMA Scholarship

## H. EDUCATIONAL LEADERSHIP, TEACHING AND MENTORING

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### *Educational Leadership at the University of Washington*

#### *Undergraduate*

- **Bachelor of Science in Construction Management**
  - Redesigned admission and prerequisites.
  - Modernized curriculum, including existing and new required and elective courses.
  - Established a new continuation policy and department honors program.
  - Restructured accreditation assessment, including data collection and analysis.
  - Led to a successful re-accreditation until 2032.
- **Dual Degree (Bachelor of Science in Construction Management & Architectural Design)**
  - Redesigned admissions and progression requirements specific to the dual-degree pathway.
  - Established continuation and honors policies aligned with dual-degree structure.
  - Coordinated curriculum and prerequisite changes with the Department of Architecture.

#### *Graduate*

- **Master of Science in Construction Management**
  - Redesigned the program into two Regular and Advancement standing to provide an adaptable admission approach
  - Formalized two pathways to completion: professional and research.
  - Allocated funds to support research pathway as a way to recruit research students who align with faculty research agendas.

#### *Professional*

- **Certificate in Construction Management**
  - Redesigned admission, prerequisites, and curriculum, including required and elective courses.
  - Converted face-to-face certificate into blended delivery to adapt to post-COVID audience needs.

### *Courses Taught at the University of Washington*

#### *Undergraduate*

- **CM 310 (3 cr.): Introduction to the Construction Industry**, Autumn 2014, 2015, 2017, 2018, 2019, 2024
- **CM 332 (3 cr.): Construction Equipment Management**, Spring 2015, 2016, 2018, 2019
- (Revamped Course) **CM 332 (3 cr.): Construction Equipment Management**, Spring 2020, 2021, 2022, 2024
- (New Course) **CM 343 (5 cr.): Construction Materials and Methods III**, Spring 2025 (with Matt Smith)
- **CM 413: Competitive Business Presentations**, Autumn 2020 (with Bender), 2021, 2022 (with Coffland), 2023 (with Salzer)
- **CM 421: Project Management I**, Winter 2011, 2012, 2013, 2014
- **CM 313: Construction Materials and Methods I**, Autumn 2011, 2012, 2013
- (Revamped Course) **CM 427/498: Capstone I**, Winter 2022
- (Revamped Course) **CM 431: Capstone II**, Spring 2022

#### *Graduate*

- **CM 520: Construction Procurement Systems**, Autumn 2022, 2023, 2025
- **CM 586: Utility System Construction**, Spring 2011-14; Summer 2015-2020

- (New Course) **CM 527: *Managing Scope and Risks on Construction Projects***, Winter 2015, 2018, 2019, 2022
- **CM 555: *Construction Firm Management***, Winter 2016, Autumn 2021, Autumn 2022 (with Boyd)
- **CM 535: *Research Methods in Construction***, Summer 2012 (with K.Y. Lin)

### ***Courses Taught at the University of New Mexico***

#### *Undergraduate*

- **CE 372: *Construction Contracting***, Fall 2007, 2008, 2009
- **CE 370: *Construction Equipment and Methods***, Spring 2008, 2009, 2010

#### *Graduate*

- (New Course) **CE 598: *Contemporary Issues in CEM: Research Trends***, Fall 2008
- (New Course) **CE 598: *Advanced Construction Equipment Management***, Spring 2008, 2009
- (New Course) **CE 598: *Contemporary Issues in CEM: Construction Industry Institute (CII) Best Practices***, Fall 2009

### ***Teaching Activities at the University of Texas:***

#### *Undergraduate*

- **ARE 366: *Contracts, Ethic and Liabilities***, Spring 2007 (teaching assistant for Professor John Borcharding – undergraduate course)

#### *Graduate*

- **CE 397: *Financial Management for Engineering and Construction Firms***, Summer 2005, 2006 (teaching assistant for Professor August Petersen – postgraduate course)

### ***Student Mentoring***

Supervised and mentored more than 30 graduate students and numerous undergraduate researchers across the University of Washington and the University of New Mexico, including doctoral, master's, and undergraduate research trainees.

## I. PUBLICATIONS

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### ***Publication Summary Statistics***

Number of publications published/accepted/recommended for publication as of 1/11/2026: 108

Number of Books and Monographs: 6

Number of Book Chapters: 10

Number of Peer-Reviewed Journal Papers: 35

Number of Peer-Reviewed Conference Papers: 54

Number of Professional Magazine Articles: 2

Number of Editorials/Guest Editorials: 1

Number of Research Reports and Deliverables: 23

### ***Books***

1. Migliaccio, G.C. & Shrestha P. P. (co-editors), (2023). *Building a Body of Knowledge in Construction Project Delivery, Procurement and Contracting*. Singapore: World Scientific Publishing (WSP).
2. Muench, S. T., Migliaccio, G.C., Mukherjee, A., Anderson, J. Kaminsky, J. Ashtiani, M. Z., (2019). *Sustainable Highway Construction Practices Guidebook*, NCHRP Report No. 916. Washington, DC: TRB.
3. Schaufelberger, J. and Migliaccio, G.C. (2019). *Construction Equipment Management, 2<sup>nd</sup> Edition*, Routledge, March 2019.
4. Migliaccio, G. C. and Holm, L.A. (2018). *Introduction to Construction Project Engineering*, Routledge, April 2018.
5. 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.
6. 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.

### ***Book Chapters***

1. Migliaccio, G.C. and Reyes, J. "Owner Involvement Approaches in Subcontractor Selection." Chapter in Kumaraswamy M. M., (2024) *Handbook on Construction Procurement & Delivery – Fundamentals, Trends and Imperatives*. Routledge.
2. Migliaccio, G. C., and Shrestha, P.P. "Project Delivery Methods." Chapter in Migliaccio, G.C. and Shrestha, P.P. (Eds.) (2023) *Building a Body of Knowledge in Construction Project Delivery, Procurement and Contracting*. Singapore: WSP.
3. Shrestha, P.P. and Migliaccio, G. C., "Procurement Approaches for Design, Construction and Materials." Chapter in Migliaccio, G.C. and Shrestha, P.P. (Eds.) (2023) *Building a Body of Knowledge in Construction Project Delivery, Procurement and Contracting*, Singapore: WSP.
4. Migliaccio, G. C., Shrestha, P.P. and Gibson G.E., "Traditional Contracting Approaches." Chapter in Migliaccio, G.C. and Shrestha, P.P. (Eds.) (2023) *Building a Body of Knowledge in Construction Project Delivery, Procurement and Contracting*, Singapore: WSP.
5. Migliaccio, G. C., and Shrestha, P.P., "Proposed framework and building blocks for a Body of Knowledge in Construction Project Delivery, Procurement and Contracting." Chapter in Migliaccio, G.C. and Shrestha, P.P. (Eds.) (2023) *Building a Body of Knowledge in Construction Project Delivery, Procurement and Contracting*, Singapore: WSP.



6. 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.
7. 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.
8. 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.
9. 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 (peer-reviewed).
10. 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**

1. Teizer, J, Migliaccio, G.C., Soliu, I., and Golovina, O. (2024). "Relationship between Subcontracting Models and Adoption of Innovative Methods in Construction Safety." *ASCE's Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, Vol. 16, Issue 4.
2. Salazar-Izquierdo, R., Soliu, I., and Migliaccio, G.C. (2023). "Enablers and Barriers to Implementation of Circular Economy Practices in the Built Environment: An Exploratory Study." *ASCE's Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, Vol. 16, Issue 2.
3. Migliaccio, G.C., Gebken, R., Fernandez-Angulo, L.R., and Osmanbhoy, N. (2022). "Emergent Subcontracting Models in the U.S. Construction Industry." *ASCE's Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, Vol. 14, Issue 4, pp. 045220026.
4. Ottesen, J.L. and Migliaccio, G.C. (2022), "Use of Predictive Models for Labor Productivity Loss in Settling Disputes." *ASCE's Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, Vol. 15, Issue 1.
5. Abdirad<sup>5</sup>, H., Dossick, C., Johnson, B., and Migliaccio, G.C. (2020). "Disruptive Information Exchange Requirements in Construction Projects: Perception and Response Patterns." *Building Research & Information*, DOI: [10.1080/09613218.2020.1750939](https://doi.org/10.1080/09613218.2020.1750939).
6. Shang, L., and Migliaccio, G.C., (2020). "Demystifying Progressive Design Build: Implementation Issues and Lessons Learned Through Case Study Analysis." *Organization Management & Technology in Construction*, Vol.12, Issue 1, pp. 2095–2108.
7. Lee, W., Lin, K.Y., Seto, E., and Migliaccio, G.C. (2020). "A Task-Level Perspective on the Relationships between Job Demands-Resources, Burnout, and Construction Worker Performance." *Safety Science*, Vol.123, pp.104577.
8. Lee, W., and Migliaccio, G.C. (2018). "Temporal Effect of Construction Workforce Physical Strain on Diminishing Marginal Productivity in Task Level." *ASCE Journal of Construction Engineering and Management*, Vol. 144, Issue 9.
9. Lee, W., Lin, K.Y., Migliaccio, G.C., and Azari, R. (2018). "Training of Low-Literacy and Low-English-Proficiency Hispanic Workers on Construction Fall Fatality." *ASCE Journal of Management in Engineering*, Vol. 34, Issue 2.
10. Lee, W., Lin, K.Y., Seto, E., and Migliaccio, G.C. (2017). "Wearable sensors for monitoring on-duty and off-duty worker physiological status and activities in construction." *Automation in Construction*, Vol. 83, pp. 341-353.

11. Song, J. , Migliaccio, G.C., Wang, G., Lu, H. (2017). "Exploring the Influence of System Quality, Information Quality, and External Service on BIM User Satisfaction." *ASCE Journal of Management in Engineering*, Vol. 33, Issue 6.
12. Lee, W., Lin, K.Y., Migliaccio, G.C., and Seto, E. (2017). "An evaluation of wearable sensors and their placements for analyzing construction worker's trunk posture in laboratory conditions." *Applied Ergonomics*, Vol. 66, pp. 424-436.
13. 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.
14. Lee, W and Migliaccio, G.C. (2016). "Physiological cost of concrete construction activities." *Construction Innovation: Information, Process, Management*, special issue on innovations in construction health, safety and environmental research, Vol. 16, Issue 3.
15. Ottesen, J., Migliaccio, G.C. and Wulfsberg, H.J. (2016). "Contractual Battles for Higher Ground – Case Examples." *ASCE Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, Vol. 8, Issue 1.
16. 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.
17. 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.
18. 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.
19. 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*, Vol. 140, Issue 6.
20. 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 on productivity improvement in the construction process, Vol. 32 , Issue 6, pp. 548-564.
21. 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 on construction engineering conference, Vol. 19, 148-158, published online in June 2013, printed copy in 2014.
22. 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 2014.
23. Migliaccio, G.C., Bogus, S., and Cordova-Alvidrez<sup>3</sup>, A. A., (2014). "Continuous Quality Improvement Techniques for Data Collection in Asset Management Systems – Tecnicas de Mejoria Continua de la Calidad de la Releccion de Datos en Sistemas de Gerencia de Capital de Infraestructura." *ASCE Journal of Construction Engineering and Management*, special bilingual issue on engineering of the Americas, published online in June 2013, printed copy in 2014.
24. 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*, Vol. 29, Issue 4, pp. 382-391.
25. 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*, Vol. 139, Issue 7, pp. 858-869.

26. 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*. Vol. 19, special issue on emerging trends of sustainable engineering, design, and construction, pp. 179–185.
27. 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, Vol. 29, pp. 24-39.
28. 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*, Vol. 27, Issue 3, pp. 320–335.
29. 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.
30. 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.
31. 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*, Issue 2119/2009, pp. 113-119.
32. 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*, Vol. 135, Issue 7, pp. 579-587.
33. 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*, Vol. 25, Issue 1, pp. 29-39.
34. 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*, Vol.12, Issue 3, pp. 483-502.
35. 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*, Issue 1994/2007, pp. 17-25.

### ***Articles in Peer-Reviewed Conference Proceedings***

1. Soliu, I., and Migliaccio G.C. (2025). "A Theoretical Exploration of Digital Technologies for Transitioning Towards A Circular Built Environment," CIB Conferences: Vol. 1 Article 220.
2. Soliu, I., Migliaccio, G.C., and Abdulgafar, I. (2024). "Circular Economy Principles in the Built Environment: A Systematic Literature Review," *Proceedings of the 2024 Creative Construction Conference*. Edited by: Mirosław J. Skibniewski & Miklós Hajdu. Prague, Czech Republic: CCC, June 29-July 2, 2024.
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<sup>1</sup> Master research student

<sup>2</sup> Doctoral research student (now early career researcher in government agency)

<sup>3</sup> Visiting master research student

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<sup>5</sup> Master research student

<sup>6</sup> Doctoral research student

<sup>7</sup> Visiting early career researcher

<sup>8</sup> Research associate (early career researcher)

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<sup>1</sup> Research associate (early career faculty researcher)

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<sup>3</sup> Visiting doctoral research student

<sup>4</sup> Former doctoral research student (now assistant professor at Illinois Institute of Technology)

<sup>5</sup> Master research student

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<sup>4</sup> Doctoral research student

<sup>5</sup> Master research student

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<sup>1</sup> Former master research student (now early career researcher at University of New Mexico)

<sup>2</sup> Undergraduate research student

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### ***Guest Editorial***

1. Jayasena, H. S., Siriwardane, M., and Migliaccio, G.C. (2019). “Public–private partnerships: potentials, prospects, pitfalls and precautions.” *Built Environment Project and Asset Management*, special issue. Vol. 9, Issue: 2, pp. 170-171.

### ***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.

### ***Abstract-Reviewed Poster Presentations***

1. Migliaccio, G.C. and Gatti<sup>1,2</sup>, U. C., (2013, April). “A Study of Design Management in Transportation Design-Build Projects.” *2013 Construction Industry Research Conference*. Seattle, WA: April 19, 2013.
2. Migliaccio, G.C., Minchin, R.E., Gatti<sup>2,3</sup>, U. C., and Ptschelinzew, L., (2013, January). “A Roadmap for Implementing Construction Manager General Contractor (CMGC) Project Delivery in Transportation.” *Transportation Research Board 92<sup>th</sup> Annual Meeting* (CD). Washington, DC: TRB, January 13-17, 2013.
3. Gatti<sup>2,3</sup>, 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, *2012 Construction Industry Institute Annual Conference*. Baltimore, MD: July 23-25, 2012.
4. Migliaccio, G.C., D’Incognito<sup>3</sup>, M., and Priyadarshini<sup>3</sup>, S., and Tai<sup>4</sup>, T., (2011, November). “Construction Safety Performance Assessment.” *2012 Construction Industry Research Conference*. Seattle, WA: November 4, 2011.
5. Gatti<sup>2,3</sup>, 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 47<sup>th</sup> Annual International Conference of the Associated Schools of Construction*, Omaha, NE, USA: ASC, April 6-9, 2011.

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<sup>4</sup> Undergraduate research student



6. Bogus, S., Migliaccio, G.C., and Cordova<sup>1</sup>, A., (2010, August). "Data Quality Assessment & Improvement Framework (DQAIF) for Manual Pavement Distress Surveys." Poster session, *2010 Construction Industry Institute Annual Conference*. Orlando, FL: August 3-5, 2010.
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### ***Selected Research Reports and Deliverables***

1. Muench, S. T., Migliaccio, G.C., and Mukherjee, A. (2019). *Final Report*, Final Report for Project 10-91A (Sustainable Highway Construction Practices) to National Cooperative Research Program, National Academies of Sciences, expected to be published as a web-only document in 2019.
2. Minchin, E., Migliaccio, G.C., Atkins, K., Warne, T., Gatti<sup>1</sup>, 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<sup>2,3</sup>, 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>
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9. Cordova<sup>3</sup>, A., Bogus, S., Migliaccio, G.C., and Lenke, L., (2009). *2009 Pavement Evaluation Report*. Deliverable to New Mexico Department of Transportation, Maintenance Bureau (unpublished).

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<sup>3</sup> Doctoral research student

<sup>4</sup> Master research student

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20. O'Connor, J.T., Gibson, G.E., Migliaccio, G.C., and Shrestha, P. P., (2006). *Report 0-4661-P3: Organizational Structures and Communications on the SH130 Project*. Final report to the Texas Department of Transportation, CTR, Austin, TX, pp. 122.  
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21. O'Connor, J.T., Gibson, G.E., and Migliaccio, G. C., (2005). *Report 0-4661-1: 2004 Annual Interim Report*. Final report to the Texas Department of Transportation, Austin, TX, pp.32.  
[http://www.utexas.edu/research/ctr/pdf\\_reports/0\\_4661\\_1.pdf](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). *Report 0-4661-P2: Essential Elements of CDA Master Contract*. Final report to the Texas Department of Transportation, Austin, TX, pp.82.  
[http://www.utexas.edu/research/ctr/pdf\\_reports/0\\_4661\\_P2.pdf](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). *Report 0-4661-P1: CDA Procurement Process Model*. Final report to the Texas Department of Transportation, Austin, TX, pp.56.  
[http://www.utexas.edu/research/ctr/pdf\\_reports/0\\_4661\\_P1.pdf](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).  
<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 in 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 at the *Habitat 2000 Conference*. Lecce, Italy: November 2000.

## K. FUNDRAISING, ADVANCEMENT, AND SPONSORED RESEARCH

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### ***Funding Statistics***

- Total number of research proposals selected for funding (PI/Co-PI): 25
- Total funding secured: \$2,731,368 + €168,960 + \$210,999<sup>1</sup>
  - 2010-current:
    - UW Awards: \$1,122,000 (UW Component ~ \$678,000)
    - Individual Award: €168,960 (Euros)
    - Additional proposals selected for funding: three proposals for \$210,999<sup>1</sup>
  - 2007-10:
    - UNM Awards: \$1,389,412 (cumulative budget); ~\$558,000 (individual budget)

### ***Contracts, Grants, and Gifts by Funding Organization***

- Italian Ministry of Education, University and Research (four)
- Transportation Research Board of the National Academies: National Cooperative Highway Research Program (three)
- Hewlett Packard Global Social Innovation (three)
- New Mexico Department of Transportation (three)
- Pacific Northwest Transportation Consortium (two)
- OSHA (one)
- Washington Department of Transportation (one)
- Skanska USA Building (one)
- UW Capital Development Project (one)
- New Mexico Energy, Minerals, and Natural Resources Department (one)
- UNM Resource Allocation Committee (one)
- United Nations Industrial Development Organization (UNIDO) (one)

### ***International Competitive Awards (2010-current)***

- Principal Investigator: Four course development awards, Italian Ministry of Education, Knowledge Messengers Program, 2014 (total: €168,960)
- Co-Principal Investigator *Sustainable Cities - Integrated approach pilot in India*. United Nations Industrial Development Organization (UNIDO). Amount: ~\$219,956. PI: Jan Whittington. Period: April 2021 – September 2022.

### ***National/State Competitive Awards (2010-current)***

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. Amount: \$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*

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<sup>1</sup> This additional amount refers to three proposals selected for funding but not funded for factors beyond Dr. Migliaccio's control. For more details, see list of proposals on the next page.

*Collaborative Global Education*. HP Catalyst Initiative. Amount: \$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. Amount: ~\$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. Principal Investigator: *ECL+VI Construction Catalyst – Merging UW Experiential and Contextual Learning (ECL) Model with MMUST Vertical Integration Model*. HP Leadership Fund. UW Amount: \$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.
6. 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. Amount: ~\$25,000. PI: Jan Whittington. Period: September 2013-October 2014.
7. Co-Principal Investigator: *Analysis of Roadway Safety under the Alternative Project Delivery Systems*. Pacific Northwest Transportation Consortium. Amount: ~\$40,000. PI: Ahmed Aziz. Period: July 2015- June 2016.
8. Co-Principal Investigator: *Sustainable Highway Construction Practices*. Part of research contract with TRB National Cooperative Highway Research Program, NCHRP 10-91A. Contract Amount = \$300,000. PI: Steve Muench. Period: August 2016-July 2018.

#### ***Other Awards (2010-current)***

9. Co-Principal Investigator: *Building Asset Management: An Exploratory Case Study*. Washington Department of Transportation. Amount: ~\$15,000. PI: Omar El-Anwar, Co-PIs: Giovanni Migliaccio, Ken-Yu Lin. Period: November 2012-June 2013.
10. Principal Investigator: *Field Study of Physiological Status Monitoring (PSM) Technologies*. Skanska USA Buildings. Amount: \$10,000. Period: June 2013-December 2013.
11. Principal Investigator: *Progressive Design-Build Case Study*. UW Planning and Management Student Internship Funding Request. Amount: \$8,716. Period: June 2016-December 2016.

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

12. 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 secure funding.
13. Principal Investigator (July 2011) – “Protection of Tribal-Sensitive Resources during Construction of Transportation Improvements.” Transnow (UW-based transportation center). Jul 2011 – Jun 2012 (Total Amount = \$295,000; USDOT Funding = \$117,445; WSDOT Funding = \$60,945). This project was selected for funding by Transnow. While waiting for the execution of a research contract, USDOT dissolved all university transportation centers, including Transnow.
14. Principal Investigator (June 2012) – “Worker Health and Safety Monitoring in a Steel Manufacturing and Fabrication Environment.” Sponsor: AIST Foundation. Funding request: \$7,500. This project was selected for funding by AIST; however, the unavailability of an SMA-member company in the Northwest to act as the mentor for the project prevented the establishment of a research contract.

### ***Funded Proposals (2007-2010)***

15. “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. Amount: \$7,965. Apr 2010-Sep 2010.
16. “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. Amount: \$90,000. Oct 2009–Feb 2011.
17. “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. Amount: \$199,970. Apr 2008–Apr 2010.
18. “Road Life Cycle Innovative Financing Evaluation (Road LIFE), NMDOT NM08ADM-01.” New Mexico Department of Transportation. Co-PIs: Hall, Migliaccio, and Tarefder. Amount: \$108,499. Mar 2008–Mar 2010.
19. “Pavement Condition Evaluation - UNM - Northern New Mexico.” New Mexico Department of Transportation. Co-PIs: Bogus and Migliaccio. Amount: \$932,978. Jan 2008–Dec 2010.<sup>1</sup>
20. “Statewide Energy Usage and Efficiency Database Initial Assessment, EMNRD 08-521-0300-0310.” New Mexico Energy, Minerals, and Natural Resources Department (ENMRD). Co-PIs: Mammoli and Migliaccio. Amount: \$50,000. Apr 2008–Jun 2008.

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<sup>1</sup> The last year of this project was canceled due to NMDOT budgetary constraints.

## M. PUBLIC SPEAKING

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### *Dr. Migliaccio's Selected Public Speaking Events*

1. Invited speaker: "Global Trends in Project Delivery and Contracting." Invited Keynote Presentation at University of Guadalajara, Puerto Vallarta campus, Mexico, February 2023.
2. Invited speaker: "Global Trends in Project Delivery and Contracting." Invited Keynote Presentation at University of Guadalajara, Guadalajara campus, Mexico, February 2023.
3. Invited speaker: "Collaborative Contracting – Global Trends and Local Benefits." Presentation at *NEC Contracts in Hong Kong – The Legal Landscape and Beyond*, Hong Kong, June 25, 2019.
4. Invited speaker: "Innovative Subcontracting Models: Advantages, Disadvantages and Lessons Learned from their Use - A US Perspective" Presentation at *Department of Civil Engineering, The University of Hong Kong*, Hong Kong, June 24, 2019.
5. Host talk: "Closing Remarks." Presentation at *New Frontiers in Construction Conference*, Seattle, WA, March 21, 2019.
6. Invited speaker: "Moving Toward a Comprehensive Project Delivery Toolbox." Presentation at *Advancing Procurement & Project Management Collaboration Workshop*, City of Seattle, Seattle, WA, October 16, 2018.
7. Invited guest lecture: "Activity-Based Discrete-Event Simulation." Ph.D. seminar, Politecnico di Torino, Turin, Italy, June 27, 2018.
8. Panel lead: "Emergent Project Delivery, Procurement, and Contracting." *New Frontiers in Construction Conference*, Seattle, WA, March 15, 2018.
9. Invited keynote speaker: "CM as a Building Block toward a Comprehensive Project Delivery Toolbox." Presentation at *ConsMa 2018 Conference*, Seoul, South Korea, March 12-13, 2018.
10. Invited guest lecturer: "Risk Management in Construction." Graduate seminar, Arizona State University, Tempe, AZ, February 19, 2018.
11. Invited co-speaker: "A City to Love: Visions of a Public Realm." Report from 2015-2106 Runstad Center Affiliate Fellows in Real Estate Studies. Presentation at NAIOP Breakfast, Seattle, WA, January 18, 2017
12. Invited co-speaker: "A City to Love: Visions of a Public Realm." Report from 2015-2106 Runstad Center Affiliate Fellows in Real Estate Studies. Presentation at joint meeting of Seattle Design and Planning Commissions, City of Seattle, Seattle, WA, October 6, 2016
13. Invited co-speaker: "A City to Love: Visions of a Public Realm." Report from 2015-2106 Runstad Center Affiliate Fellows in Real Estate Studies. Presentation at Impact Hub, Seattle, WA, September 27, 2016
14. Panel Lead: "Project Delivery and Management." Presentation at *New Frontiers in Construction Conference*, Seattle, WA, March 4, 2016.
15. Featured speaker: "Emergent Approaches to Subcontracting." Presentation at *New Frontiers in Construction Conference*, Seattle, WA, March 4, 2016.
16. Featured speaker: "Physiological Cost of Concrete Construction." Presentation at *New Frontiers in Construction Conference*, Seattle, WA, March 4, 2016.
17. Invited speaker: "Understanding Processes Affecting Construction Workers' Performance through Use of Bio and Environmental Sensing." Presentation at *Northwest Construction Consumer Council (NWCCC) Annual Conference*, Everett, WA, October 21, 2015.
18. Invited speaker: "The Importance of Managing Scope and Risks on Construction Projects." Professional guest lecture series, Universidad de Piura, Piura, Peru, July 10, 2015.

19. Invited speaker: “Divulgazione dei Progetti Messaggeri della Conoscenza.” Tele-presentation, University of Naples, Federico II, Naples, Italy, February 27, 2015.
20. Invited speaker: “Design-Management for Design-Build and Construction Manager/General Contractor Projects.” Presentation to TRB AFH15 committee, Washington, DC, January 23, 2015.
21. Invited speaker: “Design-Management for Design-Build and Construction Manager/General Contractor Projects.” Professional Guest Lecture Series, University of Naples, Federico II, Naples, Italy, July 25, 2014.
22. Invited speaker: “Lifecycle of an Applied Research Project.” Presentation to the faculty in the construction and project management discipline, Queensland University of Technology, Brisbane, Australia, May 27, 2014.
23. Featured speaker: “Power Up Your Crews, Peak Performance on the Jobsite – University of Washington/Skanska Innovation Grant.” Presentation at *2013 CERC Construction Industry Research Conference*, Seattle, WA.
24. Invited speaker: “Construction Research and Educational Activities at UW Department of Construction Management.” Graduate seminar, Tianjin University Construction Management Students, Tianjin, China, April 10, 2012.
25. Invited speaker: “Construction Ergonomics and Safety Research and Educational Activities at UW Department of Construction Management.” Graduate seminar, Tsinghua University Construction Safety Research Center, Beijing, China, April 9, 2012.
26. Invited trainer: “Planning: Strategies for Successful Transportation Projects on Tribal Lands.” Webcast training session for America’s Byway Resource Center, July 2011.
27. Invited trainer: “Train-the-trainer session on NCHRP Report 690.” Training session to directors of Tribal Technical Assistance Program centers, Nashville, TN, May 6, 2011.
28. Invited speaker: “A Guidebook for Communication, Coordination, and Cooperation between Tribal Communities and Transportation Agencies.” Presentation to the TRB ABE80 committee, Washington, DC, January 23, 2011.
29. Featured speaker: “Research in Construction Management: A Melting Pot of Disciplines.” Presentation at the *Research Exposed!* undergraduate research program seminar series at UW, Seattle, WA, October 20, 2010.
30. Invited speaker: “Assessing Physical Strain in Construction Workforce: An Initial Step for Improving Safety and Productivity Management.” Presentation to the NIST Building and Fire Research Laboratory, Gaithersburg, MD, September 1, 2010.
31. Panel moderator and speaker: “Establishing a Collaborative Environment among Project Stakeholders: Transportation Agency/Tribe Collaboration Guidebook.” *2009 NW Tribal Transportation Symposium*, Portland, OR, April 21, 2010.
32. Webinar speaker: “NCHRP Transportation Agency/Tribe Collaboration Guidebook.” *FHWA Tribal Technical Assistance Program Network*, February 29, 2010.
33. Panel moderator and speaker: “Partnerships between Tribes and Transportation Agencies.” *NW Transportation Conference*, Corvallis, OR, February 10, 2010.
34. Panel moderator and speaker: “Collaboration between Tribes and Transportation Agencies,” *Paving and Transportation Conference*, Albuquerque, NM, January 4-5, 2010.
35. Invited panelist: *Indian Country Research: Issues and Expectations*. Transportation Research Board, Session #701, Washington, DC, January 13, 2010.
36. Invited speaker: “3C Strategy Selection Toolbox.” *Intertribal Transportation Association Conference*, Las Vegas, NV, December 9-11, 2009.



37. Invited speaker: *The Next Step toward Zero Accidents: Technology for a Construction Worker-Centered Approach*. AGC New Mexico Safety Committee Meeting, Albuquerque, NM, October 20, 2009.
38. 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*, Duluth, MN, October 1-2, 2009.
39. Invited speaker to breakout session: “Successful Tribal Communication and Coordination on Cultural Resource Preservation.” *2009 MNDOT/FHWA/ BIA Tribes and Transportation Annual Conference*, Duluth, MN, October 1-2, 2009.
40. Invited panelist for workshop: “Overcoming Barriers to Data/Knowledge Gaps: NCHRP Project 08-65.” *Workshop #172: What Every Transportation Professional Needs to Know about Tribal Transportation*. Transportation Research Board, Washington, DC, January 11, 2009.
41. Invited to organize a workshop: “Issues and Communication, Coordination and Cooperation Strategies between Transportation Agencies and Tribal Communities.” *Intertribal Transportation Association Conference*, Las Vegas, NV, December 12, 2008.
42. Invited speaker: *Successful Communication, Coordination and Cooperation Strategies between Transportation Agencies and Tribal Communities*. National Congress of American Indians, Transportation Committee, Phoenix, AZ, October 17, 2008.
43. Panel coordinator: “Planning for Strategic Change in Project Delivery Strategy.” *Design-Build Institute of America (DBIA) Transportation Annual Conference*, Louisville, KY, April 17, 2008.
44. Invited speaker: “Selecting Building Retrofit Strategies through Energy Simulation and Life-Cycle Costing.” *2005 Engineers for a Sustainable World (ESW) National Conference*, Austin, TX, USA, October 8, 2005.

### ***Selected Presentations by Research Trainees/Advisees***

1. Fernandez, L.R., “Emergent Subcontracting Models and Owner Involvement in Selecting Subcontracting Strategies and Participants in the U.S. Construction Industry.” *New Frontiers in Construction*, Seattle, WA, USA, Mar 21, 2019.
2. Lee, W. “Wearable technologies in the era of the Internet of things (IoT) and its application to ergonomics practices.” *PSHFES 17th Annual Symposium*, Des Moines, WA, September 2017.
3. Lee, W., Lin, K.Y., Migliaccio, G.C., & Seto, E. “Looking beyond the workplace: Construction laborers’ working life on duty and off duty.” *Seventh International Conference on Applied Human Factors and Ergonomics*, Orlando, FL, July 2016.
4. Migliaccio, G.C., & Lee, W. “Understanding Processes Affecting Construction Workers’ Performance through Use of Bio and Environmental Sensing.” *NWCCC Annual Conference*, Everett, WA. (Invited presentation), October 2015.
5. Lee, W., Lin, K.Y., Migliaccio, G.C., & Seto, E. “Looking beyond the workplace: Construction laborer’s working life on duty and off duty.” *Northwest Occupational Health Conference*, Bremerton, WA. (Invited presentation), October 2015.
6. D’Incognito, M. and Priyadarshini, S., “Construction Safety Performance Assessment.” *Construction Industry Research Conference*, Seattle, WA, USA, Nov 2, 2011.
7. Tai, T., “HP Catalyst Initiative at UW Department of Construction Management.” *Construction Industry Research Conference*, Seattle, WA, USA, Nov 2, 2011.
8. 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.

9. 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.
10. Gatti, U., "Measuring and Evaluating Physical Strain in Construction Workforce: A Way to Improve Productivity and Safety Management." *2011 47<sup>th</sup> Annual International Conference of the Associated Schools of Construction*, Omaha, NE, USA: ASC, April 6-9, 2011.
11. 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.
12. Gatti, U., "Assessing Physical Strain in Construction Workforce: A First Step for Improving Safety and Productivity Management." *2010 ISARC Conference*, June 25-27, 2010, Bratislava, SK.
13. 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.
14. Gatti, U., "Measuring and Evaluating Physical Strain in Construction Workforce." *2010 ASSE New Mexico Conference*, April 15, 2010, ASSE, Albuquerque, NM.
15. Martinez R.M., "Collaborative Environment through the Use of Intergovernmental Networks." *TRB 89<sup>th</sup> Annual Meeting*, January 10-14, 2010, TRB, Washington, DC.
16. 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.
17. 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.
18. 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.
19. Martinez, R.M., "A Review of Public Involvement Strategies between Transportation Agencies and Native American Tribal Communities." *Transportation Research Board 88<sup>th</sup> Annual Meeting* (CD), January 11-15, 2009, TRB, Washington, DC.
20. Martinez, R.M., "A Review of Public Involvement Strategies between Transportation Agencies and Native American Tribal Communities." *Forty-sixth Paving and Transportation Conference*, January 5-6, 2009, ATRI, Albuquerque, NM.

## **N. INTERNATIONAL, NATIONAL, UNIVERSITY SERVICE**

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### ***Selected University and Departmental Committees***

#### *University of Washington*

- College of Built Environment, Chair, UW BE PhD Task Group, May – Dec 2023, UW.
- UW Facilities, UW Capital Projects Workforce Development Advisory Committee, Sept 2020 – Mar 2021, UW.
- College of Built Environment, Chair, Advisory Reappointment Committee for Chair of Landscape Architecture, Winter-Spring 2022.
- CM Department, Chair, Search Committee for Full-Time Lecturer, Autumn 2019, Spring 2020.
- CM Department, Chair, Search Committee for CM Academic Advisor, Autumn 2019.
- CM Department, Chair, Search Committee for CERC Program Operation Specialist, Spring 2018.
- CM Department, Member, Search Committee for CERC Program Operation Specialist, Autumn 2017.
- CM Department, Master Graduate Committee, September 2013-August 2019.
- CM Department, Member, CERC Annual Conference Organizing Committee, 2011-2018; as CERC director, I now lead the organization's efforts.
- CM Department, CERC Steering Committee, Spring 2015-2017.
- CM Department, Bachelor Curriculum Committee, 2013.
- CM Department, Lead, Construction Materials and Methods Lab, 2010-14
- CM Department, Member, Undergraduate Admissions Committee, 2011-14
- CM Department, Chair, Construction Industry Advisory Council, Industry Trends/Research Subcommittee, 2012-2014
- CM Department, Chair, Construction Industry Advisory Council, Membership Subcommittee, 2014-15
- Civil and Environmental Engineering Department, Search Committee for Construction Engineering Faculty, 2012-13
- Architecture Department, Search Committee for Structure Faculty, 2012-13
- College of Built Environments, Advisory Review Committee on the Chair of the Department of Urban Design and Planning, 2019
- College of Built Environments, Search Committee for Runstad Center Director, 2015-16
- College of Built Environment, Ph.D. Committee doctoral application reviewer, 2011-19
- College of Built Environment, Member, Committee on Architecture Hall Coffee Shop Renovation, 2018
- College of Built Environment, Member, Committee on Gould Hall Renovation, 2011
- College of Built Environment, Facilitator, Taskforce on Curriculum Efficiency – Building Technology, 2012
- College of Built Environments, Interdisciplinary Group in Real Estate (IGRE), 2014-2016
- College of Built Environments, Ph.D. Steering Committee, 2014-2019
- Campus-wide, Faculty Council on University Facilities and Services, 2014-2018

#### *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

***Editorial Boards:***

- Specialty Editor in Contracting and Project Delivery Systems, Editorial Board of the *ASCE Journal of Construction Engineering and Management*, 2009–2023
- Guest Editor, Special Issue on Public-private partnerships, *Built Environment Project and Asset Management*, Vol. 9, Issue: 2, 2019

***Selected Member of National/International Panels:***

- Member, Panel G17-49, *Guide for Effective Tribal Crash Reporting*, National Cooperative Highway Research Program, Transportation Research Board, 2011-2014
- 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

***Selected Reviewer for Journals and Publishers:***

- Reviewer, *Journal of Civil Engineering and Management*, 2013
- Reviewer, *Built Environment Project and Asset Management Journal*, 2011-present
- Reviewer, *Public Works, Management and Policy Journal*, 2009
- 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 Management in Engineering*, 2007-2017
- Reviewer, *ASCE Journal of Architectural Engineering*, 2007-2008
- Reviewer, *Automation in Construction*, 2013-2016

***Selected 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

***Selected Member of Technical Committee and/or Reviewer for Conferences:***

- Scientific Committee, *CIB 2025 World Building Congress*, 2025, West Lafayette, IN
- Scientific Committee, *CIB 2022 World Building Congress*, 2022, Melbourne, VIC, Australia
- Co-chair, Technical Track on Project Delivery, Contracting and Legal Issues, *ASCE 2020 Construction Research Congress*, 2020, Tempe, AZ
- 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, *Second Annual 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

***Selected Member of Professional and Industry Committees:***

- Member of the Construction Industry Institute Academic Committee, 2009-2014
- Member and Committee Research Coordinator of Transportation Research Board ABE80 Native American Transportation Issues Committee, 2009-2016
- Member of TRB AFH15 Project Delivery Methods Committee, 2011-2016
- Member of the Board of Trustees of the Construction Industry Training Council of Washington, 2012-16

***Selected Member of Professional and Academic Societies:***

- Registered member of the Italian professional Board of Engineers, 2000-present
- Member of American Society of Civil Engineers (ASCE), 2006-2021
- Member of the Tacoma-Olympia section of ASCE, 2016-2021
- 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

***Selected 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.

***Selected Participation in Student-led Societies, Clubs and Associations:***

- Association Students in Construction, CM Department, Coach of Student Teams for ASC Reno competition, 2013-2015; 2020-24
- Design-Build Institute of America (DBIA), CM Department, Coach of Student Team for DBIA competition, 2014 & 2015: Regional Winner [2014](#) & [2015](#); Second place nationally ([2014](#) & [2015](#)).