

Biographical Sketch
Gabriel B. Dadi, Ph.D., P.E., LEED AP

(a) Professional Preparation

University of Kentucky	Civil Engineering	BSCE 2007
University of Kentucky	Business Administration	MBA 2008
LEED Accredited Professional	USGBC #10381953	LEED AP 2009
Professional Engineer License	Kentucky #29089	PE 2012
University of Kentucky	Civil Engineering	Ph.D. 2013

(b) Appointments

University of Kentucky, Lexington KY

Research Faculty, Kentucky Transportation Center	2014-Present
Assistant Professor, Department of Civil Engineering	2013-Present
Affiliated Faculty, Center for Visualization and Virtual Environments	2013-Present

(c) Products

Patel, D., Sturgill, R.E., and Dadi, G.B. (2019). "Case Study Analysis of e-Ticketing Technology for Performance and Practicality on Asphalt Paving Operations." Proceedings from the *Transportation Research Board 98th Annual Meeting*, Washington, D.C. January 13-17, 2019.

Wang, X., Dadi, G.B., Sturgill, R.E., and Taylor, T.R.B. (2019). "Comparing Volume Estimations Between Unmanned Aerial System (UAS) Photogrammetry and Traditional Geometric Methods." Proceedings from the *Transportation Research Board 98th Annual Meeting*, Washington, D.C. January 13-17, 2019.

Newcomer, C., Withrow, J., Sturgill, Jr., R.E., and Dadi, G.B. (2018). "Towards an Automated Asphalt Paving Construction Inspection Operation." *CIB W78-2018*. Chicago, IL, October 1-3, 2018.

Al-Shabbani, Z., Sturgill, Jr., R.E., and Dadi, G.B. (2018). "Improving Safety Performance of Transportation Maintenance Workers through Pre-Task Safety Talk Program." 2018 Construction Research Congress (CRC). New Orleans, L.A. April 2-5, 2018.

Jazayeri, E., Liu, H., and Dadi, G.B. (2018). "Assessing and Evaluating Subcontractor Management Safety Policies." 2018 Construction Research Congress (CRC). New Orleans, L.A. April 2-5, 2018.

Sturgill, Jr., R.E., Taylor, T.R.B., and Dadi, G.B. (2018). "A Case Study of Utility Coordination within a Major Design-Build Transportation Project." 2018 Construction Research Congress (CRC). New Orleans, L.A. April 2-5, 2018.

Rister, B., Dadi, G.B., Grady, E., and McIntosh, L. (2018) "Utilization of Light Detection and Ranging for Quality Control and Quality Assurance of Pavement Grades." Proceedings from the *Transportation Research Board 97th Annual Meeting*, Washington, D.C. January 7-11, 2018.

Sturgill, R.E., Taylor, T.R.B., and Dadi, G.B. (2018). "A Case Study of Utility Coordination within Design-Build Procurement." Proceedings from the *Transportation Research Board 97th Annual Meeting*, Washington, D.C. January 7-11, 2018.

Jazayeri, E., Liu, H., and Dadi, G.B. (2018). "Modeling a Safety Training and Competence Model for Construction Craft Professionals." 2018 Construction Research Congress (CRC). New Orleans, L.A. April 2-5, 2018.

Al-Shabbani, Z., Sturgill, R.E., and Dadi, G.B. (2018). "Developing a Pre-Task Safety Briefing Tool for Kentucky Maintenance Personnel." *Transportation Research Record*. DOI: 10.1177/0361198118792327, 1-11.

Karimi, H., Taylor, T.R.B., Goodrum, P.M., Dadi, G.B., and Srinivasan, C. (2018). "Modeling and Forecasting the Impact of Craft Labor Availability on Construction Project Cost Performance." *Journal of Construction Engineering and Management*. American Society of Civil Engineers, 144(7), 04018057, 1-10.

(d) Synergistic Activities

1. Chi Epsilon Most Outstanding Faculty, 2018
2. National Science Foundation (NSF) ASSIST Travel Award, 2018
3. University of Kentucky Alumni Association Great Teacher Award, 2018
4. Chi Epsilon Most Outstanding Faculty, 2017
5. Academic Leadership Development Institute, Kentucky Council on Postsecondary Education, 2017

(e) Collaborators & Other Affiliations

(a) *Collaborators*: Timothy Taylor, William Maloney, Brad Davis, Issam Harik, William Maloney, Melody Carswell (Univ. of Kentucky), Paul Goodrum (Univ. of Colorado-Boulder), Carl Haas (Univ. of Waterloo), Carlos Caldas (Univ. of Texas-Austin), Yelda Turkan (Oregon St. Univ.). Yongwei Shan (Oklahoma State Univ.), Roy Sturgill, Steven Waddle, Adam Kirk, Doug Kreis, Bryan Gibson, Abheetha Peiris (Kentucky Transportation Center), Christofer Harper (Louisiana State Univ.), Abhijeet Deshpande (Univ. of Cincinnati)

(b) *Graduate Advisors*: Timothy Taylor (Univ. of Kentucky)

(c) *Graduate Advisees*: Ahmed Elkhamisy, Elyas Jazayeri, Nick Arlinghaus, Jordan Haney, Dominic Michels, Joshua Withrow, Clyde Newcomer (MSCE, Univ. of Kentucky), Huang Liu, Xi Wang, Roy Sturgill (Ph.D., Univ. of Kentucky)