

PERSONAL

A.1 Name.

Konstantina (Nadia) Gkritza

A.2 Degrees.

Diploma CE	National Technical University of Athens, Greece	2001
MSCE	Virginia Polytechnic Institute and State University, Virginia	2003
Ph.D.	Purdue University, West Lafayette, Indiana	2006

A.3 Positions at Purdue.

Associate Professor, Lyles School of Civil Engineering, Department of Agricultural and Biological Engineering, Purdue University, West Lafayette, Indiana, August 2013–August 2019.

Professor, Lyles School of Civil Engineering, Department of Agricultural and Biological Engineering, Purdue University, West Lafayette, Indiana, August 2019–present.

Campus Director, National Science Foundation Engineering Research Center ASPIRE, September 2020–present.

University Faculty Scholar, College of Engineering, Purdue University, West Lafayette, Indiana, July 2021–2025.

A.4 Positions at other institutions or organizations.

Postdoctoral Researcher, Purdue University, West Lafayette, Indiana, January 2007–July 2007.

Assistant Professor, Department of Civil, Construction, and Environmental Engineering, Iowa State University, Ames, Iowa, August 2007–August 2013.

Director, Sustainable Transportation Systems Program, Institute for Transportation, Iowa State University, Ames, Iowa, August 2011– August 2013.

Associate Director, Mid-American Transportation Center, Region 7 University Transportation Center, US Department of Transportation, January 2012–August 2013.

A.5 Honors and awards.

2003	Ross Fellow, Purdue University.
2003	Transportation Research Forum (TRF) Student Paper Award for “Estimating Elasticities for Public Transport Demand in Athens, Greece: A Time Series Analysis.
2005	Edward J. Cox Memorial Transportation Award. Awarded by the Indiana Section of Institute of Transportation Engineers (ITE).
2005	Best Student Paper Award for “Modeling Household Automobile Ownership and

- Autolessness: Evidence from the 2001 National Household Travel Survey,” Institute of Transportation Engineers District 3.
- 2005 Eno Transportation Foundation Fellow.
- 2006 International Road Federation Executive Leader Fellow.
- 2006 Tau Beta Pi, Indiana Alpha Chapter.
- 2007 C.V. Wootan Memorial Award for Outstanding Ph.D. Dissertation in Policy and Planning, Council of University Transportation Centers.
- 2008 American Society of Civil Engineers ExCEEEd Fellow.
- 2011 Schafer Award for Excellence in Teaching, Research, and Service, Civil, Construction, and Environmental Engineering, Iowa State University.
- 2013 Early Career Engineering Faculty Research Award, College of Engineering, Iowa State University.
- 2014 National Academy of Engineering Frontiers of Engineering Education Symposium Attendee
- 2016 2016 Outstanding Engineering Graduate Student Mentor, Lyles School of Civil Engineering
- 2016 Jane F. Garvey/UMass ITE Transportation Leadership Award
- 2017 College of Engineering Faculty of Excellence in Leadership Award, Purdue University
- 2017 Greek Diaspora Fellow, Institute of International Education, Stavros Niarchos Foundation and Fulbright Foundation in Greece
- 2017 Best Reviewer Award, International Journal of Transportation Science and Technology.
- 2018 Purdue Policy Research Institute Fellow, 2018-2019.
- 2020 Faculty Leadership Academy for Interdisciplinary Research (FLAIR) Fellow, Spring/Fall 2020.
- 2020 Purdue Policy Research Institute Affiliate, 2020-2021.
- 2022 ASCE Frank M. Masters Transportation Engineering Award.

A.6 Memberships in academic, professional and scholarly societies.

- American Society of Civil Engineers (since 2003)
 - T&DI Planning, Economics and Finance Committee (since 2010)
- American Society for Engineering Education (since 2008)
- Institute of Transportation Engineers (since 2003)
- International Road Federation (since 2006)
 - Committee on Road Finance and Economics (since 2010)
- North American Colleges & Teachers of Agriculture (since 2014)
- Society of Women Engineers (since 2005)
- Transportation Research Forum (since 2014)
- Tau Beta Pi (since 2006)
- Transportation Research Board
 - Committee on Transportation and Economic Development
 - Member since 2006
 - Paper review coordinator, 2009–2012
 - Co-Chair, 2014–2020
 - Committee on Transportation Economics
 - Member 2008–2013
 - Committee on Freight Transportation Economics and Regulation
 - Member 2009–2021

- Committee on Agricultural Transportation
 - Member since 2020
- Planning and Environment Group Young Member Council
 - Member since 2010
- Committee on Motorcycles and Mopeds
 - Member, 2012–2018
- Committee on Transportation and Energy
 - Friend since 2008
- Committee on Safety Data Analysis and Evaluation
 - Friend since 2009
- Committee on Statistical Methods
 - Friend since 2009

B. TEACHING/LEARNING

B.1 Courses taught at Purdue and elsewhere.

Iowa State University

COURSE NUMBER	COURSE TITLE	SEMESTER & YEAR ENROLLMENT	PERCENTAGE OF RESPONSIBILITY	ADMINISTRATIVE OR SUPERVISOR RESPONSIBILITY
CE 355	Principles of Transportation Engineering	F07 65	100%	Supervised a 0.25 FTE Teaching Assistant (TA)
CE 556X	Transportation Data Analysis	S08 12	100%	No TA supervised
CE 355	Principles of Transportation Engineering	F08 55	100%	Supervised a 0.25 FTE TA
CE 556	Transportation Data Analysis	S09 8	100%	No TA supervised
CE 355	Principles of Transportation Engineering	F09 65	100%	Supervised a 0.25 FTE TA
TRANS 555	Economic Analysis of Transportation Investments	S10 18	100%	No TA supervised
CE 355	Principles of Transportation Engineering	S10 65	100%	Supervised a 0.25 FTE TA
CE 556	Transportation Data Analysis	S11 23	100%	No TA supervised
CE 355	Principles of Transportation Engineering	S11 74	100%	Supervised a 0.25 FTE TA
CE 355	Principles of Transportation Engineering	F11 72	70%	Supervised a 0.25 FTE TA
TRANS 555	Economic Analysis of Transportation Investments	S12 18	100%	No TA supervised
CE 355	Principles of Transportation Engineering	S12 109	100%	Supervised a 0.25 FTE TA
CE 556	Transportation Data Analysis	F12 23	100%	No TA supervised
CE 355	Principles of Transportation Engineering	F12 89	100%	Supervised a 0.25 FTE TA

CE 355	Principles of Transportation Engineering	S13 110	50%	Supervised a 0.25 FTE TA
CE 552	Traffic Safety	S13 14	40%	No TA supervised

Purdue University

COURSE NUMBER	COURSE TITLE	SEMESTER & YEAR-ENROLLMENT	PERCENTAGE OF RESPONSIBILITY	ADMINISTRATIVE OR SUPERVISOR RESPONSIBILITY
CE 361	Introduction to Transportation Engineering	F13 49	100%	Supervised a 0.25 FTE TA
CE 561	Transportation Systems Evaluation	F14 15	100%	No TA supervised
CE 614	Statistical and Econometric Methods I	F14 20	100%	No TA supervised
CE 614	Statistical and Econometric Methods I	F15 21	100%	No TA supervised
CE 561	Transportation Systems Evaluation	F16 12	100%	No TA supervised
CE 361	Introduction to Transportation Engineering	S17 70	100%	Supervised a 0.5 FTE TA
CE614	Statistical and Econometric Methods I	F17 14	100%	No TA supervised
CE 561	Transportation Systems Evaluation	F18 16	100%	No TA supervised
CE 299	Smart Mobility	F18 28	~15%	No TA supervised
CE 614	Statistical and Econometric Methods I	F19 13	100%	No TA supervised
CE 299	Smart Mobility	F19	~15%	No TA supervised
CE 361	Introduction to Transportation Engineering	S20 89	100%	Supervised a 0.5 FTE TA
CE 299	Smart Mobility	F20 27	~15%	No TA supervised
CE 560	Public Transportation Systems	S21 35	100%	Supervised a 0.25 FTE TA

CE 561	Transportation Systems Evaluation	F21 19	100%	No TA supervised
CE 299	Next Generation Mobility	F21 30	~15%	No TA supervised
CE 614	Statistical and Econometric Methods I	S22 9	100%	No TA supervised

B.2 Teaching scores summary table.

The scores below are on a 5.0 base with 5 as the highest and 1 as the lowest.

Iowa State University

SE M	COURSE TITLE	COURSE NUMBER	# RESPONSES/ # IN COURSE	COURSE EVAL SCORE	PROF EVAL SCORE	DEPT* AVE PROF. SCORE
F07	Principles of Transportation Engineering	CE 355	65	<i>n/a</i>	3.2	3.9
S08	Transportation Data Analysis	CE 556X	12	<i>n/a</i>	3.9	4.4
F08	Principles of Transportation Engineering	CE 355	55	<i>n/a</i>	4.2	4.0
S09	Transportation Data Analysis	CE 556	8	<i>n/a</i>	3.7	4.2
F09	Principles of Transportation Engineering	CE 355	65	<i>n/a</i>	3.7	3.8
S10	Economic Analysis of Transportation Investments	TRANS 555	18	<i>n/a</i>	3.7	4.2
S10	Principles of Transportation Engineering	CE 355	65	<i>n/a</i>	4.4	3.8
S11	Transportation Data Analysis	CE 556	23	<i>n/a</i>	4.1	4.0
S11	Principles of Transportation Engineering	CE 355	74	<i>n/a</i>	3.9	4.0
F11	Principles of Transportation Engineering	CE 355	72	<i>n/a</i>	4.4	4.0
S12	Economic Analysis of Transportation Investments	TRANS 555	18	<i>n/a</i>	4.6	4.3
S12	Principles of Transportation Engineering	CE 355	109	<i>n/a</i>	4.2	4.3
F12	Transportation Data Analysis	CE 556	23	<i>n/a</i>	4.6	4.0
F12	Principles of Transportation Engineering	CE 355	89	<i>n/a</i>	4.1	4.0
S13	Principles of Transportation Engineering	CE 355	98/110	<i>n/a</i>	4.0	4.2
S13	Traffic Safety	CE 552	12/14	<i>n/a</i>	4.8	4.2

n/a: This information is not collected as part of the ISU course evaluation process, and as such is marked as not available.

Purdue University

SEM	COURSE TITLE	COURSE NUMBER	# RESPONSES/ # IN COURSE	COURSE EVAL SCORE	PROF EVAL SCORE	DEPT* AVE PROF. SCORE
F13	Introduction to Transportation Engineering	CE 361	25/49	4.6	4.6	4.2
F14	Transportation Systems Evaluation	CE 561	11/15	4.8	4.7	4.6
F14	Statistical and Econometric Methods I	CE 614	16/20	4.8	4.7	4.6
F15	Statistical and Econometric Methods I	CE 614	18/21	4.2	4.7	4.7
F16	Transportation Systems Evaluation	CE 561	12/12	4.6	4.8	4.6
S17	Introduction to Transportation Engineering	CE 361	46/71	3.9	4.4	4.1
F17	Statistical and Econometric Methods I	CE 614	12/14	4.3	4.5	4.7
F18	Transportation Systems Evaluation	CE 561	14/19	4.3	4.9	4.6
F19	Statistical and Econometric Methods I	CE 614	11/13	4.7	4.9	4.8
S20	Introduction to Transportation Engineering	CE 361	46/89	n/a	n/a	n/a
S21	Public Transportation Systems	CE 560	35	4.7	4.8	n/a
F21	Transportation Systems Evaluation	CE 561	13/19	4.5	4.8	n/a
S22	Statistical and Econometric Methods I	CE 614	/9			

* Based on student evaluations, the average median scores in response to overall rating of the instructor are computed for each course level based on all courses taught by CE faculty in a given semester. These average scores are reported as “Dept. Ave. Prof. Score” in the table above.

B.3 Ph.D and M.S. thesis committees chaired.

Iowa State University

NAME	DEGREE	GRADUATION DATE	NAME OF CO-CHAIR	TITLE	RELATED PUBLICATIONS
Asish Seeboo	MSCE	05/08	Amr Kandil	Proposed Highway Asset Management Framework with an Emphasis on Economic Impact Analysis	E.5.1
Ryan J. Pettit	MS	12/08		Using Trade Area Analysis to Measure the Economic Impacts of Rural Highway Bypasses in Iowa during 1990–2006	
Weiwei Jiang	MS	05/10		The Impact of Biofuels and Wind Farm Components on Iowa’s County Road System	E.1.14, E.3.3
Wei Zhang	MSCE	08/10		A Study on the Effectiveness of Iowa’s Driver Improvement Program by Gender and Age	E.1.15, E.2.13, E.5.6, E.5.9
Aikaterini Rentziou	MSCE	08/10		Predicting Passenger Trips for Future Energy and Transportation Infrastructure Investment Planning	E.1.12, E.1.16, E.2.9, E.2.12, E.2.14, E.5.5
Michael Baird (2009 Eisenhower Fellow)	MSCE	08/10		An Empirical Bayes Model to Assess Deer-Vehicle Crash Safety in Urban Areas in Iowa	E.1.8, E.1.20, E.5.2, E.5.4, E.5.10
Teng Wang	MSCE	08/11	Reg Souleyrette	Incorporating Safety into	E.2.11, E.2.21, E.5.7, E.5.11

				Transportation Planning for Small and Medium-sized Communities	
Jeff Von Brown	MS	12/11	Reg Souleyrette	A Planning Methodology for Railway Construction Cost Estimation in North America	E.5.16, E.5.20
Steve Lavrenz (2011 Eisenhower Fellow)	MSCE	12/11		Economic Analysis of Automated Electrified Highways for Freight Transportation	E.1.17, E.1.22, E.1.27, E.1.34, E.2.18, E.5.15
Abhisek Mudgal	Ph.D.	12/11		Analysis of Driver Behavior at Various Traffic Control Devices	E.1.19
Jian (Carlos) Gao (2011 Eisenhower Fellow)	MSCE	5/12	Omar Smadi	A Study on the Relationship between Asset Condition and Safety on Primary Roads in Iowa	E.2.19, E.2.22, E.5.17
Eirini Kastrouni (2012 C.V. Wootan Memorial Awardee)	MSCE	5/12		Equity Performance Evaluation of Two Different Pricing Options: Fuel Tax and VMT Fee	E.1.28, E.1.30, E.2.16, E.5.13, E.5.14, E.5.19, E.6.9
Tracy Troutner	MS	5/13		Impacts of Extended Interstate Closures to Regional Freight Logistics: A Case Study of the 2011 Interstate 29 Closure	E.1.24
Wanjun Li	MSCE	5/13		The Culture of Distracted Driving: Evidence from a Public Opinion Survey in Iowa	E.1.23
Dimitrios	MSCE	5/13	Omar Smadi	Interaction Effects	E.2.23

Bilionis				of Prevailing Weather Conditions and Crash Characteristics on Crash Severity: A Case Study on Two Corridors in Iowa	
Donald Cerwick	MSCE	8/13		A Study of Single and Multiple Vehicle Crashes Involving Heavy Trucks in Iowa	E.1.26, E.2.24
Yundi Huang	MSCE	5/14		Analysis of Risky and Aggressive Driving Behaviors among Adult Iowans	
Mohammad Saad Shaheed	Ph.D.	5/14		Identification of Winter Crash Hot Spots and Prediction of Crash-Injury Severity Outcomes in Iowa Using a Multilevel Modeling Approach	E.18, E.1.25, E.1.26, E.1.29, E.1.33, E.2.17, E.2.20, E.2.2.3, E.2.29, E2.30

Purdue University

NAME	DEGREE	GRADUATION DATE	NAME OF CO-CHAIR	TITLE	RELATED PUBLICATIONS
Andrea Bailey (2014 Eisenhower Fellow)	MSCE	May 2015		Low Income, Supermarket Accessibility, and the Transportation Network: A Multimodal Analysis Identifying Areas of Poor Accessibility and Intervention Strategies in Indianapolis, Indiana	E.2.31, E.2.35, E.5.26

Ruiman Yang	MSCE	May 2016		Economic Development Impacts Evaluation of Transportation System Management & Operations (TSM&O) Strategies	E.1.35, E.2.34, E.5.31, E.5.32, E.5.39
V. Dimitra Pyrialakou (Faculty at West Virginia University)	Ph.D. (CE best dissertation award)	August 2016		Assessing Public Transportation Options for Intercity Travel in U.S. Rural and Small Urban Areas: A Multimodal, Multiobjective, and People-Oriented Evaluation	E.1.31, E.1.34, E.1.42, E.1.45, E.2.25, E.2.2.6, E.2.27, E.2.32, E.2.33, E.2.36, E.2.37, E.2.41, E.2.43, E.2.45
Lisa Lorena Losada Rojas	MSCE	December 2017		Assessing the First and Last Mile Problem in Intercity Passenger Rail: Effects on Mode Choice and Trip Frequency	E.1.42, E.2.45, E.5.34, E.5.37, E.5.40, E.5.47, E.5.49, E.5.52
Davis Chacón-Hurtado (Research Assistant Professor, University of Connecticut)	Ph.D.	August 2018	Jon Fricker	A Study on the Role of Transportation Accessibility in Regional Economic Resilience	E.1.35, E.1.37, E.1.39, E.2.34, E.2.40, E.2.46, E.5.25, E.5.31, E.5.32, E.5.58
Theodora Konstantinou (2019 C.V. Wootan Memorial Awardee)	MSCE	December 2018		Market Adoption and Impacts of Electric Roadways on Criteria Pollutants and Greenhouse Gas Emissions	E.5.57
Christos Gkartzonikas	Ph.D.	May 2020		A Stated Preference Study for Assessing Public Acceptance towards Autonomous Vehicles	E.1.44, E.2.39, E.5.41, E.5.58, 5.61, E.6.11

Yue Ke (<i>Andrews Fellow; PostDoc at Argonne National Lab</i>)	Ph.D.	August 2020		Oh the Places You'll Move: Urban Mass Transit Investments' Effects on Nearby Housing Markets	E.1.40, E.1.41, E.1.47, E.2.38, E.2.44, E.2.47, E.5.38, E.5.44, E.5.46, E.5.48, E.5.51, E.5.56
Sarah Adsit	MSCE	May 2021		Public Perception of Alternative Intersection Designs	E.5.60
Raul Elizondo Candanedo	MSCE	August 2021		Sustainable pick-up and drop-off services using emerging technologies	
Arianna Rambaram	MSCE	December 2021		The Role of Transit in the Upward Mobility of Low-Income Population	
Lisa Lorena Losada Rojas	Ph.D.	May 2022 (expected)		Exploring the Relationship between Transportation and Health Determinants in Rural America: An Empirical Study	E.5.55, E.5.56, E.5.58
Theodora Konstantinou	Ph.D.	August 2022 (expected)		Evaluating the Potential of Truck Electrification and Implementation of Dynamic Wireless Charging: User and Agency Perspectives	E.5.52
Jonathan Sinton	MSCE	May 2022		Forecasting Electric Vehicle Adoption at a Local level	
Konstantinos Flaris	MSCE	May 2023			
Saloni Deodhar	MSCE	May 2023			
Ricardo Chahine	Ph.D.	May 2024			
Ping-chun Chang	Ph.D.	December 2024			

Ph.D. and M.S. thesis committees served as a member.

Iowa State University

NAME	DEGREE	GRADUATION YEAR	NAME OF CHAIR	SCHOOL & AREA
Cari Kinzenbaw	MSCE	2008	Shauna Hallmark	CCEE Transportation
Mehmet Caputcu	MSCE	2009	Reginald Souleyrette	CCEE Transportation
Daniel L. Enz	Ph.D.	2009	Kelly Strong & Jennifer Shane	CCEE Construction
Daniel Cook	MSCE	2010	Reginald Souleyrette	CCEE Transportation
Basak Aldemir-Bektas	Ph.D.	2011	Reginald Souleyrette & Omar Smadi	CCEE Transportation
Huishan Duan	MSCE	2011	Shauna Hallmark	CCEE Transportation
Danielle Mulholland	MSCE	2011	Shauna Hallmark	CCEE Transportation
Hillary Isebrands	Ph.D.	2011	Shauna Hallmark	CCEE Transportation
Sayanti Mukhopadhyay	MSCE	2011	Jennifer Shane	CCEE Construction
Di Wu	Ph.D.	2012	Dionysios Aliprantis	ECpE Power Systems
Ghada Gad	Ph.D.	2012	Jennifer Shane	CCEE Construction
Nicola West	MSCE	2012	Douglas Gransberg	CCEE Construction
Steven LaBedz	MCP	2012	Jiangping Zhou	Community and Regional Planning
Bo Wang	MSCE	2012	Shauna Hallmark	CCEE Transportation
Aaron Nelson	MCP (minor in TRANS)	2012	Monica Haddad	Community and Regional Planning
Julie A. Rursch	Ph.D.	2012	Doug Jacobson	EcpE Information Assurance
Angela Poole	MSCE	2012	Shauna Hallmark	CCEE Transportation
Skylar Knickerbrocker	MSCE	2012	Shauna Hallmark	CCEE Transportation
Saifeng Wang	MCP	2012	Jiangping Zhou	Community and Regional Planning
Slobodan Gutesa	MS (minor in TRANS)	2013	Matthew Darr	ABE

Purdue University

NAME	DEGREE	GRADUATION YEAR	NAME OF CHAIR	SCHOOL & AREA
Wubeshet Woldemariam	Ph.D.	2015	Samuel Labi	CE Transportation
Irina Benedyk	MSCE	2015	Srinivas Peeta	CE Transportation
Peng Jiao	MSCE	2016	Samuel Labi	CE Transportation
Arif Mohaimin Sadri	Ph.D.	2016	Satish Ukkusuri	CE Transportation
Eleni Bardaka	Ph.D.	2016	Jon Fricker & Raymond Florax	CE Transportation
Afia Most Sultana	Ph.D.	2017	Andrew Tarko	CE Transportation
Maggie McNamara	Ph.D.	2017	Darcy Bullock	CE Transportation
Leila Sadeghi	Ph.D.	2017	John Haddock	CE Materials
Mohamed Hassan	Ph.D.	2017	Amr Kandil	CE Construction
Sharlan Montgomery	Ph.D.	2018	John Haddock	CE Materials
Raul A. Pineda	MSCE	2018	Andrew Tarko	CE Transportation
Wenbo Zhang	Ph.D.	2018	Satish Ukkusuri	CE Transportation
Jian Wang	Ph.D.	2018	Srinivas Peeta	CE Transportation
Tho V. Le	Ph.D.	2018	Satish Ukkusuri	CE Transportation
Yunchang Zhang	MSCE	2019	Jon Fricker	CE Transportation
Mustafa Lokhandwala	Ph.D.	2019	Hua Cai	Industrial Engineering
Young Joun Ha	MSCE	2019	Sam Labi	CE Transportation
Shubham Agrawal	Ph.D.	2020 (expected)	Srinivas Peeta	CE Transportation
Cristhian Lizarazo Jimenez	Ph.D.	2021 (expected)	Andrew Tarko	CE Transportation
Irina Benedyk	Ph.D.	2021 (expected)	Srinivas Peeta	CE Transportation
Hanna Kemaw	MSCE	2021 (expected)	Sam Labi	CE Transportation
Ce Wang	MSCE	2021 (expected)	Jie Shan	CE Geomatics
Diala Anwar Eid Haddad	MSCE	2021 (expected)	Dionysios Aliprantis	Electrical & Computer Engineering
Chishala Mwamba	MSCE	2021 (expected)	Sam Labi	CE Transportation
Amir Davatgari	MSCE	2021 (expected)	Sam Labi	CE Transportation
Hao Luo	Ph.D.	2021 (expected)	Hua Cai	EEE
Anthony Frank Agostino	MSEE	2022 (expected)	Steve Pekarek	Electrical & Computer Engineering
Utkuhan Genc	MSIE	2022 (expected)	Hua Cai	IE
Sania E. Seilabi	Ph.D.	2022 (expected)	Sam Labi	CE Transportation
Prince Adu Gyamfi	Ph.D.	2022 (expected)	Evan Perrault	Brian Lamb School of Communication
Meg Hunter	MSCE	2022 (expected)	Darcy Bullock	CE Transportation
Enrique Daniel Saldivar Carranza	Ph.D.	2023 (expected)	Darcy Bullock	CE Transportation

Rahul Suryakant Sakhare	Ph.D.	2023 (expected)	Darcy Bullock	CE Transportation
Verma Rajat	Ph.D.	2023 (expected)	Satish Ukkusuri	CE Transportation

M.S. non-thesis committees served

Iowa State University

NAME	GRADUATION YEAR	NAME OF CHAIR	SCHOOL & AREA
Lee Gourley	2012	Nadia Gkritza	CE Transportation
Justin Pottorff	2012	Nadia Gkritza	CE Transportation
Ken Deng	2012	Nadia Gkritza	CE Transportation
Xitong Zhu	2012	Nadia Gkritza	CE Transportation
Michael Anderson	2013	Nadia Gkritza	CE Transportation
Abigail Green	2022	Nadia Gkritza	CE Transportation

Purdue University

NAME	GRADUATION YEAR	NAME OF CHAIR	SCHOOL & AREA
Saimah Tahsin	2015	Nadia Gkritza	CE Transportation
Maryam Parsa	2015	Srinivas Peeta	CE Transportation
Tariq Usman Saeed	2015	Samuel Labi	CE Transportation
Zhi Zheng	2016	Hubo Cai	CE Construction
Drake Krohn	2017	Darcy Bullock	CE Transportation
Hanchao Li	2017	Srinivas Peeta	CE Transportation
Steven Zehr	2019	Darcy Bullock	CE Transportation
Steven Cardenas	2019	Jon Fricker	CE Transportation
Yangjiao Chen	2019	Samuel Labi	CE Transportation
Yujie Li	2019	Samuel Labi	CE Transportation
Maria Emilia Ponton	2020	Jon Fricker	CE Transportation
Zimo Zhang	2020	Nadia Gkritza	CE Transportation
Samantha Bowie	2020	Dulcy Abraham/ Nadia Gkritza	CE Transportation

External Graduate Advisory Committees

NAME	DEGREE	GRADUATION YEAR	NAME OF CHAIR	TITLE	RELATED PUBLICATIONS
Babak Amani Jordehi	Ph.D.	2016	Geoffrey Rose and Marilyn Johnson, Monash University, Australia	Novice riders use of Powered-Two-Wheelers for commuting: insight using the Theory of Planned Behaviour	
Emmanouil Barmponakis	Ph.D.	2017	Ioannis Golias, National Technical University of Athens, Greece	Investigation of the decision-making process of drivers during overtaking by Powered Two Wheelers	
Eleni Mantouka	Ph.D.	2021	Eleni Vlahogianni, National Technical University of Athens, Greece	Deep Reinforcement Learning for Controlling Driver Behavior and Its Impact on Traffic and Road Safety	

Student Scholarships and Awards related to Student's Research Activities

(*Degree from Iowa State University)

1. Michael Baird*
 - 2009 Eisenhower Graduate Fellowship, Federal Highway Administration, \$1,500.
 - 2009 Student of the Year, Midwest Transportation Consortium, Council of University Transportation Centers, \$500.
2. Aikaterini Rentziou*
 - ISU Research Excellence Award, 2010, \$500. This award honors students whose research accomplishments are among the top 10% at ISU in overall quality.
 - Best technical presentation in a poster, Transportation Scholars Conference, 2009, \$500.
 - One of six travel grants to graduate students to attend the TRB Transportation Finance: Forging a Sustainable Future-NOW! Conference, in New Orleans, LA, May 19–21, 2010, \$1,500.
3. Teng Wang*

- Honorarium to present at the “Tools of the Trade,” 12th National Conference on Transportation Planning for Small and Medium-Sized Communities, Williamsburg, Virginia, September 22–24, 2010, \$400.
4. Steve Lavrenz*
 - 2011 Dwight David Eisenhower Graduate Fellowship, United States Department of Transportation, \$5,000.
 - ISU Research Excellence Award, 2011, \$500. This award honors students whose research accomplishments are among the top 10% at ISU in overall quality.
 - 2011 Brother Austin Barry National Fellowship, Chi Epsilon, \$3,000.
 5. Jian (Carlos) Gao*
 - 2011 Dwight David Eisenhower Graduate Fellowship, United States Department of Transportation, \$5,000.
 6. Eirini Kastrouni*
 - 2012 C.V. Wootan Memorial Award for Outstanding MS Thesis in Policy and Planning, Council of University Transportation Centers.
 - ISU Research Excellence Award, 2012, \$500. This award honors students whose research accomplishments are among the top 10% at ISU in overall quality.
 - 2012 IRF Road Scholar Program, International Road Federation, \$1,000.
 - 2011 Jan Kibbe Student Scholarship for study in traffic/transportation engineering, Missouri Valley Section of ITE (MOVITE), \$2,000.
 - Thomas J. Seburn Award for best paper, MOVITE, \$1,500.
 - Travel grant to present at the 2011 I-TED, 1–3 May, Charleston, West Virginia, CCEE, \$586.
 7. Dimitrios Bilonis*
 - 2012 ITE Midwestern District Annual Meeting, Poster Competition winner, \$500.
 - ISU Research Excellence Award, 2013, \$500. This award honors students whose research accomplishments are among the top 10% at ISU in overall quality.
 8. Wanjun Li*
 - 2012 Jan Kibbe Student Scholarship for study in traffic/transportation engineering, Missouri Valley Section of ITE (MOVITE), \$1,000.
 9. Mohammad Saad Shaheed*
 - Travel grant to present at the 2013 TRB Annual Meeting, January 13-17, Washington DC, CCEE, \$415
 10. Yundi Huang*
 - 2014 WTS Dana Hook Leadership Legacy Scholarship Winner, Women’s Transportation Seminar, \$1,000
 - Second place in the 2014 Thomas J. Seburn Student Paper Competition, Missouri Valley Section of ITE (MOVITE), \$500.
 11. V. Dimitra Pyrialakou
 - First place in the TRB Transportation Forecasting Competition -origin-destination estimation, with assistance from Dimitrios Bilonis, Mohammad S. Shaheed, and Bo Wang.
 - 2013 Dwight David Eisenhower Graduate Fellowship, United States Department of Transportation, \$5,000.
 - 2014 ASME Rail Transportation Division (RTD) Graduate Student Conference Scholarship, \$1,100.

- 2014 American Association of Railroad Superintendents (AARS) Frank J. Richter Scholarship, \$500.
 - 2015 ASME Rail Transportation Division (RTD) Graduate Student Conference Scholarship, \$1,100.
 - 2015 Eldon J. Yoder Memorial Award, Civil Engineering, \$1,500.
 - 2015 WTS Beverley Swaim Staley Leadership Legacy Scholarship, \$2,500.
 - 2016 ASME Rail Transportation Division (RTD) Graduate Student Conference Scholarship, \$1,100.
 - Travel scholarship to present at the 2016 conference on the Economics of Transportation for the Rural Elderly, October 2-5, 2016, in Asheville, NC.
 - 2016 Spring/Summer Best Dissertation, Lyles School of Civil Engineering, \$500.
12. Andrea Bailey
- 2014 Edward J. Cox Memorial Scholarship, Indiana ITE, \$1,000.
 - 2014 Dwight David Eisenhower Graduate Fellowship, United States Department of Transportation, \$5,000.
 - Robert D. Miles Graduate Scholarship, Lyles School of Civil Engineering, \$1,000.
 - Spring 2015 Civil Engineering Outstanding Graduate Student Award, \$250.
13. Eleni Bardaka (Ph.D. committee advisee and GEP team member)
- 2014 CE Zimmerman Innovation Award, Lyles School of Civil Engineering, \$1,000.
 - 2014 WTS Beverley Swaim Staley Leadership Legacy Scholarship, \$2,500.
14. Davis Chacón-Hurtado
- 2015 IRF Student Essay Competition Winner, \$1,000.
 - 2017 College of Engineering Outstanding Service Award, \$2,000.
 - 2017-2018 Eldon J. Yoder Memorial Award, \$1,000.
15. Yue Ke
- Andrews Fellowship, Purdue University, Lyles School of Civil Engineering, 2016-2018.
16. Steven Zehr
- 2017 Skillman Undergraduate Transportation Award, Purdue University, ITE Student Chapter.
 - 2017 Edward J. Cox Memorial Transportation Award. Awarded by the Indiana Section of Institute of Transportation Engineers (ITE), \$5,000.
17. Lisa Lorena Losada Rojas
- Fall 2017 Women in Engineering Travel Grant, \$800.
 - 2018-2019 Institute of Transportation Engineers Indiana Section Edward J. Cox Memorial Transportation Scholarship, \$2,500.
 - 2018 Fall Best Speaker Award, ITE Student Chapter, Purdue University.
 - 2018 WTS Leadership Legacy Scholarship, \$3,000.
 - 2020-2021 Eldon J. Yoder Memorial Award, Purdue University, \$1,200.
 - 2021-2022 Bilsland Dissertation Fellowship, Purdue University.
 - 2021 MIT Rising Stars, MIT.
 - 2021 LATinE: Latinx Trailblazers in Engineering, \$500.
18. Leila Sadeghi (Ph.D. committee advisee and co-author)

- First Place Graduate Category winner for paper entitled “Using LTPP Monitoring Data to Predict Pothole Formation”, Transportation & Development Institute of the American Society of Civil Engineers (T&DI/ASCE) and the Federal Highway Administration (FHWA), \$1,000.
19. Sumedh Khair
 - 2018 Skillman Undergraduate Transportation Award, Purdue University, ITE Student Chapter.
 20. Sarah Adsit
 - 2019 James H. and Carol H. Cure Graduate Support Endowment, \$500.
 - 2020-2021 Institute of Transportation Engineers Indiana Section Edward J. Cox Memorial Transportation Scholarship, \$2,500.
 - 2020 Dwight David Eisenhower Transportation Fellowship, United States Department of Transportation, \$5,000.
 - 2021 Spring Best Speaker Award, ITE Student Chapter, Purdue University.
 21. Theodora Konstantinou
 - 2019 C.V. Wootan Memorial Award for Outstanding MS Thesis in Policy and Planning, Council of University Transportation Centers.
 - 2020-2021 [Greater Indianapolis Women's Transportation Seminar](#) (WTS) Chapter Helene M. Overly Memorial Scholarship, \$2,500.
 - 2020 Fall Best Speaker Award, ITE Student Chapter, Purdue University.
 - 2021-2022 Eldon J. Yoder Memorial Award, Purdue University, \$750.
 - Best presentation award, Workshop on Doctoral Research in Transportation Analysis, Planning and Policy, TRB Annual Meeting, January 9-13, 2022
 -
 22. Arianna Rambaram
 - 2020 Dwight David Eisenhower Transportation Fellowship, United States Department of Transportation, \$10,000.
 23. Jonathon Sinton
 - 2021 Dwight David Eisenhower Transportation Fellowship, United States Department of Transportation, \$5,000.

C.6 Mentoring of postdoctoral and visiting scholars

Dr. Xiaodong Qian, August 2021-present.

C.7 Student Mentoring Activities

Undergraduate Special Projects

Iowa State University

Semester	Topic	Accomplishments	Student(s)
Fall 2008	Transportation Decision Making: Principles of Project Evaluation and Programming	2009 Eisenhower Graduate Fellow. Graduated with MSCE in Summer 2010.	Michael Baird

Spring 2009	Synthesis of the State-of-Practice in Safety Planning/Programming	Awarded a Pak Liu Fung Scholarship. Went to graduate school.	Na Ning
Spring 2009	Freight Transportation in the Midwest	Awarded a Pak Liu Fung Scholarship	Kaitlin Hanson
Spring 2009	Freight and Passenger Transportation in Iowa	Cheng Sun went to graduate school.	Chris Meyers, Kevin Olson, Cheng Sun
Fall 2009 & Spring 2010	Feasibility of Expanded Passenger Rail Transportation in the State of Iowa	2011 Eisenhower Graduate Fellow. Graduated with MSCE in Fall 2011	Steven Lavrenz
Spring 2010	Effects of Upper Mississippi River Flooding on Trans-modal Freight Transport	Undergraduate research assistant in Summer 2010.	Emily Libbey
Fall 2010	Economic and Environmental Impacts of Alternative Fuel Technology on Freight and Passenger Transportation in Iowa		Aaron Barry, Brian Frank, Na Ning, Tracey Schumacher

Purdue University

Semester	Topic	Accomplishments	Student(s)
Spring 2014	Synthesis of the Trends and Impacts of Moving Grains and Energy Products on Rural Infrastructure	2014 WTS Sharon D. Banks Memorial Scholarship. Went to graduate school.	<u>Ruoyun Huang</u>
Fall 2014 & Spring 2015	Global Engineering Program, Purdue Micro-Hydropower Global Design Team	Team established a locally sourced, locally fabricated micro-hydropower facility in the remote village of Bangang, Cameroon. Team received the 2014 Ford College Community Challenge grant (\$25,000).	Rebekah Miller, Hamzah Alahmadi, Yousef Alkoblan, Patrick Pawletko, Lara Barannikova
Spring 2022		Improving public perceptions about work zone safety and alternative intersection designs.	Wonsang Cho

Spring 2022		Community engagement about electric vehicles	Abhirami Narayanan
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Advisor of Undergraduate Students, Student Clubs and Other related Advisory Roles

Purdue University, Lyles School of Civil Engineering, Undergraduate advisees

1. Kevin Locklear, 2014-2017
2. Nathaniel Shellhamer, 2015-2017
3. Steven Zehr, 2015-2017
4. Lifeng Chen, 2016-2018
5. Jennifer Haslwanter, 2016-2018
6. Aleksander Venturino, 2017-2019
7. Clara Voss, 2017-2019
8. Harshit Kapoor, 2017-2019
9. Patrick Dunn, 2018-2020
10. Rachel Dziewatkoski, 2018-2020
11. Sarah Bigelow, 2018-2020
12. Samantha Bijonowski, 2018-2020
13. Joanna McCormack, 2018-2021
14. Elizabeth Ososkie, 2018-2021
15. William Burns, 2018-2021
16. Jesse Hoffman, 2018-2021
17. Abigail Green, 2019-2021
18. Eugene Lai, 2020-2022
19. Samuel R. Schein, 2020-2022
20. Elena Cruz, 2020-2022
21. Alexa Morris, 2021-2023
22. Andrew Cain, 2021-2023
23. MaKenzie Gracelynn Emmons, 2021-2023
24. Lauren Sparber, 2021-2023
25. James Rinehimer, 2022-2024

Iowa State University, Civil Construction, and Environmental Engineering, Engineering, Transportation Student Association, Faculty Advisor, 2008–2013.

TSA won the 2009, 2010 and 2011 Missouri Valley Section Award of the Institute of Transportation Engineers (MOVITE) and the 2011 and 2012 Midwestern ITE (MWITE) Student Chapter of the Year awards.

Midwest Transportation Consortium, Region 7 University Transportation Center, US Department of Transportation Educational Coordinator, 2008–2012.

Dr. Gkritza’s responsibilities included overseeing the MTC Scholars program (which attracted high-quality students into transportation-related disciplines), student advising and mentoring, and planning, coordination, and implementation of the Transportation Scholars conference. On average, 15 graduate students were enrolled in the MTC Scholars program each semester.

C. DISCOVERY

C.1 Grants and contracts.

Number of Funded Sponsored Programs: 45

Total Amount Awarded: ~\$37 million

Individual Amount Awarded: ~\$11 million

Grant Activity

1. Agency/Title of Grant: Archer Daniels Midland Company, Conoco Phillips, and Hawkeye Renewables/Harvest, Storage, Transportation Consortium

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 06/01/2008–05/31/2010

3. Total amount of award: \$600,000

4. Your role and amount for which you are directly responsible: co-PI, \$150,000

5. Co-investigators: S. Birell (PI), R. Anex (co-PI), M. Darr (co-PI), Iowa State University

1. Agency/Title of Grant: Iowa Department of Transportation and Iowa Department of Natural Resources/Assessing the Effectiveness of Deer Management Strategies

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 07/01/2008–02/28/2010

3. Total amount of award: \$40,000

4. Your role and amount for which you are directly responsible: PI, \$30,000

5. Co-investigators: Z. Hans (co-PI), Iowa State University

1. Agency/Title of Grant: Iowa Highway Research Board/ Infrastructure Impacts of Iowa's Changing Economy

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 08/15/2008–04/15/2010

3. Total amount of award: \$120,000

4. Your role and amount for which you are directly responsible: PI, \$100,000

5. Co-investigators: S. Smith (co-PI), Iowa State University

1. Agency/Title of Grant: National Science Foundation EFRI-RESIN/21st Century National Energy and Transportation Infrastructures for Balancing Environmental Impacts, Costs, and Resiliency (NETSCORE-21)

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 09/15/2008–08/31/2012

3. Total amount of award: \$2,000,000

4. Your role and amount for which you are directly responsible: co-PI, \$340,000

5. Co-investigators: J. McCalley (PI), D. Aliprantis (co-PI), R. Brown (co-PI), A. Somani (co-PI), L. Wang (co-PI), Iowa State University

1. Agency/Title of Grant: Iowa Motor Vehicle Division and Iowa Department of Transportation / Evaluation of Iowa's Driver Improvement Program

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 10/01/2008–12/31/2009

3. Total amount of award: \$60,000

4. Your role and amount for which you are directly responsible: PI, \$42,000

5. Co-investigators: S. Nambisan (co-PI), Iowa State University

1. Agency/Title of Grant: City of Ames and Iowa Department of Transportation / A Transportation Safety Planning Tool for the City of Ames

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 03/01/2009–6/30/2011

3. Total amount of award: \$100,000

4. Your role and amount for which you are directly responsible: PI, \$70,000

5. Co-investigators: R. Souleyrette (co-PI), Iowa State University

1. Agency/Title of Grant: Iowa Department of Transportation / Enhancing Motorcycle Conspicuity Awareness in Iowa

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 07/01/2009–09/30/2010

3. Total amount of award: \$40,000

4. Your role and amount for which you are directly responsible: PI, \$40,000

5. Co-investigators: NA

1. Agency/Title of Grant: Iowa Department of Transportation / Improving Traffic Safety Culture in Iowa

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 09/01/2009–10/30/2010

3. Total amount of award: \$35,000

4. Your role and amount for which you are directly responsible: PI, \$25,000

5. Co-investigators: Albrecht (co-PI), Iowa State University

1. Agency/Title of Grant: U.S. Department of Transportation/Midwest Transportation Consortium / Asset Management and Safety: A Performance Perspective

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 07/01/2010 - 05/31/2012

3. Total amount of award: \$100,000

4. Your role and amount for which you are directly responsible: co-PI, \$40,000

5. Co-investigators: O. Smadi (PI), N. Hawkins (co-PI), Iowa State University

1. Agency/Title of Grant: Iowa Department of Transportation / Motorcycle Conspicuity – What Factors Have the Greatest Impact

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 05/01/2011 - 05/31/2012

3. Total amount of award: \$49,734

4. Your role and amount for which you are directly responsible: co-PI, \$20,000

5. Co-investigators: D. Marshall (PI), University of Iowa

1. Agency/Title of Grant: U.S. Department of Transportation/ Midwest Transportation Consortium / A Study of the Factors that Contribute to Motorcycle Conspicuity

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 05/01/2011 - 05/31/2012

3. Total amount of award: \$34,804

4. Your role and amount for which you are directly responsible: co-PI, \$20,000

5. Co-investigators: D. Marshall (PI), University of Iowa

1. Agency/Title of Grant: Iowa Department of Transportation / Improving Traffic Safety Culture in Iowa-Phase II

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 05/19/2011 - 02/28/2013

3. Total amount of award: \$37,956

4. Your role and amount for which you are directly responsible: PI, \$25,000

5. Co-investigators: Albrecht (co-PI), Iowa State University

1. Agency/Title of Grant: U.S. Department of Transportation/ Mid-America Transportation Center, USDOT Region 7 University Transportation Center - (subcontract from University of Nebraska-Lincoln)

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 05/16/2012 - 12/31/2013

3. Total amount of award: \$430,000

4. Your role and amount for which you are directly responsible: PI, \$360,000

5. Co-investigators: S. Nambisan (co-PI), Iowa State University

1. Agency/Title of Grant: Iowa Department of Transportation/ Statewide Heavy Truck Safety Assessment

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 07/01/2012 - 06/30/2013

3. Total amount of award: \$40,000

4. Your role and amount for which you are directly responsible: PI, \$30,000

5. Co-investigators: Z. Hans (co-PI), Iowa State University

1. Agency/Title of Grant: Iowa Department of Transportation / Study of the Regulatory Issues Affecting Truck Freight Movement in the Midwest

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 02/15/2013 - 02/28/2014

3. Total amount of award: \$39,995

4. Your role and amount for which you are directly responsible: PI, \$28,000

5. Co-investigators: Albrecht (co-PI), Iowa State University

1. Agency/Title of Grant: Indiana Department of Transportation/SPR-3757, Impacts of HB-1481 on Indiana's Highway Revenue Generation, Asset Degradation, Modal Distribution, and Economic Development and Competitiveness

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 06/15/2013 - 10/14/2014

3. Total amount of award: \$350,000

4. Your role and amount for which you are directly responsible: co-PI, \$5,900

5. Co-investigators: Samuel Labi (PI), Kumares Sinha (co-PI), Purdue University

1. Agency/Title of Grant: Purdue Research Foundation/A Comprehensive Assessment of Transit in U.S. Rural and Small Urban Areas: Existing Opportunities and Future Directions

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 8/19/2013 - 8/18/2014

3. Total amount of award: \$24,969

4. Your role and amount for which you are directly responsible: PI, \$24,969

5. Co-investigators: NA

1. Agency/Title of Grant: Federal Aviation Administration/Heated Airport Pavements-
(subcontract from Iowa State University)

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 9/15/2013 - 6/30/2015

3. Total amount of award: \$449,842

4. Your role and amount for which you are directly responsible: co-PI, \$19,836

5. Co-investigators: Halil Ceylan (PI), Peter Taylor (co-PI), Iowa State University

1. Agency/Title of Grant: Federal Aviation Administration/Heated Airport Pavements

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 7/21/2014 - 6/20/2016

3. Total amount of award: \$448,268

4. Your role and amount for which you are directly responsible: co-PI, \$10,309

5. Co-investigators: Jason Weiss (PI), Purdue University

1. Agency/Title of Grant: Ford Motor Company Fund/2014 Ford College Community Challenge

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 09/01/2014 - 08/31/2015

3. Total amount of award: \$25,000

4. Your role and amount for which you are directly responsible: Co-PI

5. Co-investigators: Jun Chen (PI), Purdue University

1. Agency/Title of Grant: Indiana Department of Transportation/SPR-3912, Economic Benefits of Corridor Improvements

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 10/01/2014 - 08/31/2017

3. Total amount of award: \$200,000

4. Your role and amount for which you are directly responsible: PI, \$154,006

5. Co-investigators: Jon Fricker (co-PI), Purdue University

1. Agency/Title of Grant: Indiana Department of Transportation/SPR-3901, Synthesis Study: Best Practices for Maximizing Driver Attention to Work Zone Warning Signs (End of Queue Warning Devices)

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 12/01/2014 - 01/31/2016

3. Total amount of award: \$45,000

4. Your role and amount for which you are directly responsible: co-PI, \$5,550

5. Co-investigators: Satish Ukkusuri (PI), Purdue University

1. Agency/Title of Grant: Indiana Department of Transportation/SPR-3912, Economic Benefits of Corridor Improvements (ADDITIONAL FUNDING)

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 01/15/2015 - 08/31/2015

3. Total amount of award: \$125,000

4. Your role and amount for which you are directly responsible: PI, \$104,372

5. Co-investigators: Jon Fricker (co-PI), Purdue University

1. Agency/Title of Grant: Indiana Department of Transportation/SPR-3912, Economic Benefits of Corridor Improvements –Expansion

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 07/01/2016 - 08/31/2017

3. Total amount of award: \$35,500

4. Your role and amount for which you are directly responsible: PI, \$27,000

5. Co-investigators: Jon Fricker (co-PI), Purdue University

1. Agency/Title of Grant: Indiana Department of Transportation/SPR-4044, Evaluating opportunities to enhance the Hoosier State Train ridership through a survey of riders' opinions and an assessment of access to the line

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 08/15/2016 - 02/14/2018

3. Total amount of award: \$159,100

4. Your role and amount for which you are directly responsible: PI, \$159,100

5. Co-investigators: NA

1. Agency/Title of Grant: USDOT/CCAT: AVs' impacts on energy demand and GHG emissions

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 03/01/2017 - 09/30/2018

3. Total amount of award: \$63,450

4. Your role and amount for which you are directly responsible: PI, \$63,450

5. Co-investigators: NA

1. Agency/Title of Grant: Defense Manufacturing Assistance Program (DMAP), Jefferson County Workforce Transit and Ride-Sharing Demand Study

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 05/01/2017-5/31/2018

3. Total amount of award: \$25,000

4. Your role and amount for which you are directly responsible: co-PI, \$3,000

5. Co-investigators: Lionel Beaulieu (PI), Jon Fricker (co-PI), Purdue University

1. Agency/Title of Grant: Indiana Department of Transportation/SPR-3912, Economic Impacts of Corridor Improvements and Preservation Projects –Expansion//Phase 3

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 05/15/2017–12/31/2018

3. Total amount of award: \$165,475

4. Your role and amount for which you are directly responsible: PI, \$132,000

5. Co-investigators: Jon Fricker (co-PI), Purdue University

1. Agency/Title of Grant: Indiana Department of Transportation/SPR-4162, Incorporating Economic Resilience Metrics into INDOT's Transportation Decision-Making

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 05/15/2017 - 01/14/2019
 3. Total amount of award: \$249,433
 4. Your role and amount for which you are directly responsible: PI, \$174,603
 5. Co-investigators: Jon Fricker (co-PI), Purdue University
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1. Agency/Title of Grant: DOE ARPA-E: Feasibility Analysis of Electric Roadways Through Localized Traffic, Cost, Adoption and Environmental Impact Modeling
 2. Duration of Funding (mm/dd/yy – mm/dd/yy): 09/15/2017 - 09/14/2018
 3. Total amount of award: \$500,000
 4. Your role and amount for which you are directly responsible: co-PI, \$84,700
 5. Co-investigators: Regan Zane (PI), Ziqi Song, Utah State University; Jason Quinn, Colorado State University; Andrew Liu (AECOM Ventures)
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1. Agency/Title of Grant: USDOT/CCAT: Public Acceptance and Socio-Economic Analysis of Shared Autonomous Vehicles: Implications for Policy and Planning
 2. Duration of Funding (mm/dd/yy – mm/dd/yy): 01/01/2018-12/31/2018
 3. Total amount of award: \$75,941
 4. Your role and amount for which you are directly responsible: PI, \$75,941
 5. Co-investigators: NA
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1. Agency/Title of Grant: Indiana Department of Transportation/SPR-4314, Feasibility Study and Design of On-Road Electric Vehicle Charging Technologies
 2. Duration of Funding (mm/dd/yy – mm/dd/yy): 08/13/2018–05/14/2021
 3. Total amount of award: \$314,992
 4. Your role and amount for which you are directly responsible: PI, \$125,997
 5. Co-investigators: Dionysios Aliprantis (co-PI), Steve Pekarek (co-PI), John Haddock (senior personnel), Purdue University
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1. Agency/Title of Grant: USDOT/CCAT: Ridesharing, Active Travel Behavior, and Personal Health: Implications for Shared Autonomous Vehicles

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 01/01/2019-12/31/2019

3. Total amount of award: \$75,000

4. Your role and amount for which you are directly responsible: PI, \$75,000

5. Co-investigators: NA

1. Agency/Title of Grant: Economic Development Administration/ Economic Resilience and Recovery in the U.S. Great Lakes Region: A Socioeconomic and Transportation Infrastructure Perspective

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 01/01/2019 – 12/31/2020

3. Total amount of award: \$100,000

4. Your role and amount for which you are directly responsible: PI, 70,000

5. Co-investigators: Lionel Beaulieu (co-PI), Indraneel Kumar (co-PI), Purdue University

1. Agency/Title of Grant: Indiana Department of Transportation/SPR-4413, Assessing the Travel Demand and Mobility Impacts of Disruptive Transportation Technologies in Indiana

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 08/01/2019 – 07/31/2021

3. Total amount of award: \$244,101

4. Your role and amount for which you are directly responsible: co-PI, \$122,000

5. Co-investigators: Hua Cai (PI), Purdue University

1. Agency/Title of Grant: Indiana Department of Transportation/SPR-4411, Last Mile Delivery and Route Planning for Freight

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 10/01/2019 – 09/30/2020

3. Total amount of award: \$118,580

4. Your role and amount for which you are directly responsible: co-PI, \$60,000

5. Co-investigators: Anath Iyer (PI), Purdue University

1. Agency/Title of Grant: Indiana Department of Transportation/SPR-4441, Public Acceptance of INDOT Services

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 10/01/2019 – 12/31/2020

3. Total amount of award: \$124,431

4. Your role and amount for which you are directly responsible: PI, \$100,000

5. Co-investigators: Jon Fricker (co-PI), Purdue University

1. Agency/Title of Grant: Purdue College of Engineering/Protect Privacy of Video Streams at Cameras

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 08/01/2019 – 07/31/2020

3. Total amount of award: \$75,000

4. Your role and amount for which you are directly responsible: co-PI

5. Co-investigators: Lu, Barbarash, Duffy, Ebert, \$0, Irfanoglu, Kong, and Swabe, Purdue University

1. Agency/Title of Grant: Ford-Purdue Alliance, Design of Novel Reconfigurable Vehicle Interiors for AVs to Meet the Needs of Older Occupants

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 03/01/2020 – 08/31/2021

3. Total amount of award: \$201,636

4. Your role and amount for which you are directly responsible: PI, 150,000

5. Co-investigators: Stacey Connaughton (co-PI), Purdue University; Ksenia Kozak (PI), Ford

1. Agency/Title of Grant: U.S. DOE: Increasing Affordability, Energy Efficiency, and Ridership of Transit Bus Systems through Large-Scale Electrification

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 10/1/2020 – 12/31/2023
3. Total amount of award: \$1,750,000
4. Your role and amount for which you are directly responsible: co-PI, \$260,000
5. Co-investigators: Ziqi Song (PI), Regan Zane, Antje Graul, Utah State University (USU); National Renewable Energy Laboratory (NREL); Argonne National Laboratory (ANL)
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1. Agency/Title of Grant: NSF Gen-4 Engineering Research Centers (ERC): Advancing Sustainability through Powered Infrastructure for Roadway Electrification (ASPIRE)
2. Duration of Funding (mm/dd/yy – mm/dd/yy): 09/01/2020 – 08/31/2025
3. Total amount of award: \$26 million
4. Your role and amount for which you are directly responsible: co-PI, \$5,481,769
5. Co-investigators: Regan Zane (PI), Chris Fawson (co-PI), Utah State University; Soheil Nazarian (co-PI), University of Texas at El Paso; Qin Lv (co-PI), University of Colorado-Boulder.
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1. Agency/Title of Grant: Indiana Department of Transportation/SPR-4509, Strategic Assessment of Needs and Opportunities for Wider Adoption of Renewable Energy and Electrification in Indiana
2. Duration of Funding (mm/dd/yy – mm/dd/yy): 08/17/2020 – 03/16/2022
3. Total amount of award: \$207,404
4. Your role and amount for which you are directly responsible: PI, \$107,404
5. Co-investigators: Sam Labi (co-PI), Purdue University; Kyubung Kang & Dan Koo (co-PIs), IUPUI
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1. Agency/Title of Grant: Indiana Department of Transportation/SPR-4522, Design of Educational Material & Public Awareness Campaigns for Improving Work Zone Driver Safety
2. Duration of Funding (mm/dd/yy – mm/dd/yy): 11/02/2020-05/01/2022
3. Total amount of award: \$137,960

4. Your role and amount for which you are directly responsible: PI, \$77,965

5. Co-investigators: Stacey L Connaughton (co-PI), Purdue University

1. Agency/Title of Grant: USDOT/CCAT: The impact of COVID-19 on User Perceptions of Public Transit, Shared Mobility/micro-mobility Services, and Emerging Vehicle Types

2. Duration of Funding (mm/dd/yy – mm/dd/yy): 01/29/2021-01/28/2022

3. Total amount of award: \$100,544

4. Your role and amount for which you are directly responsible: PI, \$100,544

5. Co-investigators: NA

C.2 Mentoring of Students and Postdoctoral Researchers

Undergraduate Student Research Projects

Iowa State University

Semester	Topic	Accomplishments	Student
Fall 2008	Evaluation of Low-Cost Countermeasures for Pedestrians	Winner of the 2009 IRF Student Essay Competition in the Road Safety category. Went to graduate school.	Bo Wang
Spring 2009	A Review of Studies on Motorcycle Conspicuity		David Green
Summer 2010	Data Collection on Freight and Passenger Transportation in the United States		Emily Libbey
Fall 2011	Synthesis of Safety Culture Practices in Iowa		Luke Schmidt
Spring 2012	Literature Review on Forecasting Automobile Demand	2014 WTS Dana Hook Leadership Legacy Scholarship. Graduated with MSCE in Spring 2014.	Yundi Huang

Purdue University

Semester	Topic	Accomplishments	Student
Fall 2014	Transit Database in Indiana	2014 WTS Sharon D. Banks Memorial Scholarship. Went to graduate school.	Ruoyun Huang
Spring 2015	Survey Design of Public Perceptions of Passenger Rail in Indiana		Harshit Kapoor
Summer & Fall 2015 *	A Study to the Influence of the Implementation of Mass Transport Systems on Land Use	One of the best theses in 2016 at National University of Colombia. Started graduate school in Fall 2016.	Lisa Lorena Losada Rojas
Summer & Fall 2016 *	Quantifying Passenger Transportation Externalities		Laura Camila Niño Corredor
Fall 2016	Economic Development Impacts of Traffic System Management and Operations Strategies		Lifeng Chen
Spring 2017-present	Economic Development Impacts of Road Diets and Preservation Projects		Sumedh Khair
Fall 2017	Feasibility of Electric Roadways		Sitara Simmons (freshman in Engineering)
Summer & Fall 2018*	First and Last Mile Strategies for Bus Rapid Transit Systems	One of the best theses in 2018 at National University of Colombia.	Laura Tatiana Rodriguez
Spring 2019	Smart Mobility Applications		Adrian Hansen
Spring 2019	Public Policy & Autonomous Vehicles		Roshini Mudunuru
Spring 2020	Economic Resilience & Transportation Accessibility		Danah Al Awadhi
Summer 2020	Impacts of COVID-19 on Transportation Systems and Travel Behavior		Eugene Lai
Fall 2020	Supporting various ongoing		Jordin Hajek

	STSRG projects: Survey Data Analyses & Reports		Elizabeth Rosenzweig Khaing Thu Zin
Spring 2021	Supporting various ongoing STSRG projects: Survey Data Analyses & Reports		Jordin Hajek Elizabeth Rosenzweig Carolina Solis Anthony Vadell
Spring & Summer 2021*	Charging Infrastructure Solutions for Battery Electric Buses		Daisha Cardenas Sanchez
Summer 2021	SURF: Impacts of COVID-19 on user perceptions of public transit		Dale Robbennolt
Summer 2021	Research Experience for Undergraduates (REU) program with the ASPIRE Engineering Research Center		Savannah Kusnierz
Fall 2021	Supporting various ongoing STSRG projects: Survey Data Analyses & Reports		Matthew Cheng Elizabeth Rosenzweig
Fall 2021 & Spring 2022	Impacts of COVID-19 on travel behavior		Adrianna Fragozo Alvernia
Spring 2022	Discovery Park Undergraduate Research Internship Program (DURI) Supporting various ongoing STSRG projects: Survey Data Analyses & Reports Community engagement and environmental justice analysis		Anusha Sharaf Ben O'Brien Samuel Fang Pedro Daniel Soto Rugved Dikay

* Through the Undergraduate Research Experience Program Purdue-Colombia

Participation of Dr. Gkritza's Graduate Students in Poster Symposia and other Networking Events at Purdue:

Student	Event & Role	Date
D. Chacón-Hurtado	Judge in the annual math competition for middle school students - "MathCounts"	March 14 th , 2015
V.D. Pyrialakou	Poster presentation at the Office of Interdisciplinary Graduate Programs (OIGP) Spring Reception	April 1 st , 2015
	Poster presentation at the Lyles School of Civil Engineering Open House	September 18 th , 2015

	Poster presentation at the Big Ten+ Graduate School Exposition	October 4-5, 2015.
STSR Group (V.D. Pyrialakou, D. Chacón-Hurtado, C. Gkartzonikas, R. Yang)	Poster presentation at Purdue's Research Roundtable	November 10 th , 2015
	Poster presentation at Purdue Road School Transportation Conference and Expo	March 10-11, 2016
STSR Group (D. Chacón-Hurtado, C. Gkartzonikas, Y. Ke, L. Losadas)	Poster presentation at Purdue's Research Roundtable	November 14 th , 2016
STSR Group (D. Chacón-Hurtado, C. Gkartzonikas, Y. Ke, L. Losadas Rojas)	Poster presentation at Purdue Road School Transportation Conference and Expo.	March 6-8, 2017
STSR Group (D. Chacón-Hurtado, C. Gkartzonikas, Y. Ke, T. Konstantinou)	Poster presentation at Purdue's Research Roundtable.	November 2 nd , 2017
L. Losadas Rojas	Poster presentation at <i>Health and Disease: Science, Technology, Culture and Policy</i> Research Poster Session, Purdue University	March 1 st , 2018
Sumedh Khair	Poster presentation at the <i>2018 Purdue Undergraduate Research & Poster Symposium</i> (Poster #3273)	April 10 th , 2018
Sumedh Khair	Oral presentation at the <i>2018 Purdue Fall Undergraduate Research Exposition</i>	November 12 th , 2018
L. Losadas Rojas, Ariannna Rambaram	Poster presentation at <i>Health and Disease: Science, Technology, Culture and Policy</i> Research Poster Session, Purdue University	March 5 th , 2020

D. PUBLICATIONS AND PRESENTATIONS

Among the authors, undergraduate students mentored by Dr. Gkritza are indicated with a superscript 'UG', graduate students indicated by a superscript 'G' and post-doctoral researchers by a superscript 'PD'. The same notation in subscript refers to authors that did not have Dr. Gkritza as their major professor. The asterisk* designates the primary contributors.

1. Gkritza*, K., I. Golias, and M.G. Karlaftis, "Estimating Elasticities for Public Transport Demand in Athens, Greece: A Time Series Analysis," *Journal of the Transportation Research Forum*, 43(2), 53–68 (2004). (Tier 2)
2. Gkritza*, K., D. Niemeier, and F.L. Mannering, "Airport Security Screening and Changing Passenger Satisfaction: An Exploratory Assessment," *Journal of Air Transport Management*, 12(5), 213–219 (2006). (Tier 1)
3. Gkritza*, K., and F.L. Mannering, "Mixed Logit Analysis of Safety Belt Use in Single- and Multi-occupant Vehicles," *Accident Analysis and Prevention*, 40(2), 443–451 (2008). (Tier 1)
4. Gkritza*, K., S. Labi, F.L. Mannering and K.C. Sinha, "Influence of Highway Construction Projects on Economic Development: An Empirical Assessment," *The Annals of Regional Science*, 42(3), 545–563 (2008). (Tier 1)
5. Gkritza*, K. and S. Labi, "Estimating Cost Discrepancies in Highway Contracts: A Multi-step Econometric Approach," *ASCE Journal of Construction Engineering and Management*, 134(12), 953–962 (2008). (Tier 1)
6. Gkritza*, K., "Modeling Motorcycle Helmet Use in Iowa: Evidence From Six Roadside Observational Surveys," *Accident Analysis and Prevention*, 41(3), 479–484 (2009). (Tier 1)
7. Gkritza*, K., C.R. Kinzenbaw^G, S. Hallmark, and N. Hawkins, "An Empirical Analysis of Farm Vehicle Crash Injury Severities on Iowa's Public Road System," *Accident Analysis and Prevention*, 42(4), 1392–1397 (2010). (Tier 1)
8. Gkritza*, K., M. Baird^G, and Z. Hans. "Deer-Vehicle Collisions, Deer Density and Land Use in Iowa's Urban Deer Herd Management Zones," *Accident Analysis and Prevention*, 42(6), 1916–1925 (2010). (Tier 1)
9. Anastasopoulos*^G, P.C., B. G. McCullough, K. Gkritza, F. L. Mannering, and K. C. Sinha, "Cost Savings Analysis of Performance-based Contracts for Highway Maintenance Operations," *ASCE Journal of Infrastructure Systems*, 16(4), 251–263 (2010). (Tier 1)
10. Boeckenstedt*, R., K. Gkritza, R.R. Souleyrette, and S. Nambisan, "Implications of Bioeconomy-based Fuel Production to the Transportation Infrastructure in Iowa," *Transportation Research Record, Journal of the Transportation Research Board*, Volume 2191, 84–89 (2010). (Tier 1)
11. Gkritza*, K., M.G. Karlaftis, and F.L. Mannering, "Estimating Multimodal Transit Ridership under a Varying Fare Structure," *Transportation Research Part A: Policy and Practice*, 45(2), 148–160 (2011). (Tier 1)
12. Rentziou*^G, A., C. Milioti^{UG}, K. Gkritza, and M.G. Karlaftis, "Urban Road Pricing: Modeling Public Acceptability," *ASCE Journal of Urban Planning and Development*, 137(1), 56–64 (2011). (Tier 1)

13. Wu*^G, D., D.C. Aliprantis, and K. Gkritza, "Electric Energy and Power Consumption by Light-duty Plug-in Electric Vehicles," *IEEE Transactions on Power Systems*, 26(2), 738–746 (2011). (Tier 1)
14. Gkritza*, K., I. Nlenanya^G, W. Jiang^G, R. Sperry, and D. Smith, "Infrastructure Impacts of Iowa's Renewable Energy," *Transportation Research Record, Journal of the Transportation Research Board*, Volume 2205, 238–246 (2011). (Tier 1)
15. Zhang*^G, W., K. Gkritza, N. Keren, and S. Nambisan. "Age and Gender Differences in Conviction and Crash Occurrence Subsequent to Being Directed to Iowa's Driver Improvement Program," *Journal of Safety Research*, 42(5), 359–365 (2011). (Tier 1)
16. Rentziou*^G, A., K. Gkritza, and R. Souleyrette, "VMT, Energy Consumption, and Greenhouse Gas Emissions Forecasting for Passenger Transportation," *Transportation Research Part A: Policy and Practice* 46(3), 487–500 (2012). (Tier 1)
17. Lavrenz*^G, S., and K. Gkritza, "Environmental and Energy Impacts of Automated Electric Highway Systems," *Journal of Intelligent Transportation Systems*, 17(2), 221–232 (2013). (Tier 1)
18. Shaheed*^G, M., W. Zhang^G, K. Gkritza, and Z. Hans, "A Mixed Logit Analysis of Two-Vehicle Crash Severities Involving a Motorcycle," *Accident Analysis and Prevention, Special Issue on Emerging Research Methods and their Application to Road Safety*, 61, 119–128 (2013). (Tier 1)
19. Mudgal*^G, A., S. Hallmark, A. Carriquiry, and K. Gkritza, "Driving Behavior at a Roundabout: A Hierarchical Bayesian Regression Analysis", *Transportation Research Part D: Transport and Environment*, 26, 20–26 (2014). (Tier 1)
20. Gkritza*. K., R. Souleyrette, M. Baird^G, and B. Danielson, "An Empirical Bayes Approach for Estimating Urban Deer Vehicle Crashes Using Police and Maintenance Records," *ASCE Journal of Transportation Engineering*, 140(2): 04013002, (2014). (Tier 1)
21. Gopalakrishnan*, K., and K. Gkritza, "Forecasting Transportation Infrastructure Impacts of Renewable Energy Industry Using Neural Networks," *Technological and Economic Development of Economy*, 19(Supplement 1), S157–S175 (2014). (Tier 1)
22. Li*^G, W., K. Gkritza, and C. Albrecht, "The Culture of Distracted Driving: Evidence from a Public Opinion Survey in Iowa," *Transportation Research Part F: Traffic Psychology and Behaviour*, 27, 337–347 (2014). (Tier 1)
23. Troutner*^G, T.J., K. Gkritza, "Impacts of Extended Interstate Closures to Regional Freight Logistics: Case Study of 2011 Interstate 29 Closure," *Transportation Research Record, Journal of the Transportation Research Board*, Volume 2410, 113–122 (2014). (Tier 1)
24. Shaheed*^G, M., and K. Gkritza. "A Latent Class Analysis of Single-Vehicle Motorcycle Crash Severity Outcomes", *Analytic Methods in Accident Research* 2, 30–38 (2014). (Tier 1)
25. Cerwick*^G, D., K. Gkritza, M. Shaheed^G, and Z. Hans, "A Comparison of the Latent Class and Mixed Logit Methods by Crash Data," *Analytic Methods in Accident Research*, 3–4, 11–27 (2014). (Tier 1)
26. Lavrenz*^G, S.M., V. D. Pyrialakou^G, and K. Gkritza, "Modeling Driver Behavior in Dilemma Zones: A Discrete/Continuous Formulation with Selectivity Bias Corrections," *Analytic Methods in Accident Research*, 3–4, 44–55 (2014). (Tier 1)

27. Krishnan*^G, V., E. Kastrouni^G, V. D. Pyrialakou^G, K. Gkritza, and J.D. McCalley, “An Optimization Model of U.S. Energy and Transportation Systems: Assessing the Impact of High-Speed Rail on Passenger Transportation Investment,” *Transportation Research Part C: Emerging Technologies*, 54, 131–156 (2015). (Tier 1)
28. Shaheed*^G, M., D. Marshall, and K. Gkritza, “Simulated Drivers’ Experience on Detecting Motorcycles during Daylight,” *Transportation Research Record, Journal of the Transportation Research Board*, Volume 2520, 43–150 (2015). (Tier 1)
29. Kastrouni*^G, E., K. Gkritza, S. Hallmark, and W.R. Stephenson, “Fuel Tax Versus. Vehicle-Miles Traveled Fee: Identifying Vulnerable Households via a Three-Stage Least Squares Analysis,” *Transportation Research Record, Journal of the Transportation Research Board*, Volume 2531, 161–169 (2015). (Tier 1)
30. Ibanez*^G, E., V. Krishnan^G, S. Lavrenz^G, D. Meji^G, K. Gkritza, J. McCalley, and A. Somani, “Resilience and Robustness in Long-term Planning of the National Energy and Transportation System,” *International Journal of Critical Infrastructures, Special Issue on EFRI RESIN Resilient and Sustainable Coupled Critical Infrastructures*, Volume 12(1–2) (2016). (Tier 2).
31. Pyrialakou*^G, V.D., K. Gkritza, and J. Fricker. “Accessibility, Mobility, and Realized Travel Behavior: Assessing Rural Disadvantage from a Policy Perspective,” *Journal of Transport Geography*, 51, 251–169 (2016). (Tier 1)
32. Aldemir Bektas*^{PD}, B., K. Gkritza, and O. Smadi, “Pavement Marking Retroreflectivity and Crash Frequency: Segmentation, Imputation and Line Type Effects” *ASCE Journal of Transportation Engineering*, 142(8): 04016030, (2016). (Tier 1)
33. Shaheed*^G, M., K. Gkritza, A. Carriquiry, and S.L. Hallmark, “Analysis of Occupant Injury Severity in Winter Weather Crashes: A Fully Bayesian Multivariate Approach,” *Analytic Methods in Accident Research*, 11, 33–47 (2016). (Tier 1)
34. Pyrialakou*^G, V.D., Heidi A. Diefes-Dux, and K. Gkritza, “Exploring the Use of the TRB Research Needs Statement Database in an Introductory Transportation Course”, *Transportation Research Record, Journal of the Transportation Research Board*, Volume 2614, 10–17 (2017). (Tier 1)
35. Chacón-Hurtado*^G, D., E. Bardaka^G, R. Yang^G, K. Gkritza, and J. Fricker, “Tools for the Wider Economic Impact Assessment of Corridor Improvements: Lesson Learned from the FHWA Implementation Assistance Program in Indiana,” *ASCE Journal of Transportation Engineering Part A: Systems*, 143(5): 05017001, (2017). (Tier 1)
36. Saeed*^G, T.U., Y. Qiao^G, S. Chen^G, K. Gkritza, and S. Labi, “Methodology for Probabilistic Modeling of Bridge Component Condition: Accounting for Improvement Action Effectiveness and Incorporating Random Effects”, *ASCE Journal of Infrastructure Systems*, 23(4), (2017). (Tier 1)
37. Chacón-Hurtado *^G, D., V.D. Pyrialakou*^G, and K. Gkritza, “Investigating the Spatial Distribution of Manufacturing Employment: An Indiana Case Study”, *Transportation Research Record, Journal of the Transportation Research Board*, Volume 2606, 122–129 (2017). (Tier 1)
38. Lavrenz*^G, S., E. Vlahogianni, K. Gkritza, and Y. Ke^G “Time Series Modeling in Traffic Safety Research,” *Accident Analysis and Prevention*, 117: 368–380 (2018). (Tier 1)
39. Chacón-Hurtado*^G, D., K. Gkritza, J. Fricker, and D. Yu, “Exploring the Role of Worker Income and Workplace Characteristics on the Journey to Work,” *International Journal of Sustainable Transportation*, 13(8): 553–566 (2019). (Tier 1).

40. Ke*^G, Y., and K. Gkritza, "Safety Ramifications of a Change in Pedestrian Crosswalk Law: A Case Study of Oregon, USA," *International Journal of Transportation Science and Technology* <https://doi.org/10.1016/j.ijtst.2018.07.004> (2018). (Tier 2).
41. Ke*^G, Y., and K. Gkritza, "Income and Spatial Distributional Effects of a Congestion Tax", *Transport Policy*, 71, 28–35 (2018) (Tier 1).
42. Losada Rojas*^G, L.L, C. Gkartzonikas^G, V.D. Pyrialakou, and K. Gkritza, "Exploring Intercity Passengers' Attitudes and Loyalty to Intercity Passenger Rail: Evidence From An On-Board Survey," *Transport Policy* 73: 71–83 (2019). (Tier 1)
43. Montgomery*^G, S., R., K. Gkritza, and J. E. Haddock, "Factors Affecting the Accuracy and Variability of Pavement Surface Evaluations and Ratings", *ASCE Journal of Infrastructure Systems* 25(2) (2019). (Tier 1)
44. Gkartzonikas*^G, C., and K. Gkritza, "What Have We Learned? A Review of Stated Preference and Choice Studies on Autonomous Vehicles," *Transportation Research Part C: Emerging Technologies* 98: 323–337 (2019). (Tier 1)
45. Pyrialakou*^G, V.D., K. Gkritza, and S. S. Liu, "Exploring Stakeholders' Participation in Transportation Planning: A Focus Group on Intercity Passenger Rail", *Case Studies on Transport Policy* 7, 505–517 (2019) (Tier 1)
46. Nahvi*^G, A., V. D. Pyrialakou, P. Anand, S. Sadati^G, K. Gkritza, H. Ceylan, K. Cetin, S. Kim, K. Gopalakrishnan, and P. C. Taylor, "Integrated Stochastic Life Cycle Benefit Cost Analysis of Hydronic Heated Apron Pavement System," *Journal of Cleaner Production* 224: 994–1003 (2019). (Tier 1)
47. Chacón–Hurtado*^G, D., I. Kumar, K. Gkritza, and J. Fricker, "Analysis of Spatial Mismatch and Equity Using Commuting and Labor Sheds: Trends in Indiana," *Transportation Research Record, Journal of the Transportation Research Board* 2673, Issue 10, (2019) (Tier 1)
48. Ke*^G, Y., and K. Gkritza, "Light Rail Transit and Housing Markets in Charlotte, North Carolina: Announcement and Operations Effects", *Journal of Transport Geography* 76: 212–220 (2019). (Tier 1)
49. Pyrialakou*, V.D., C. Gkartzonikas^G, Gatlin^G, D, K. Gkritza, "Perceptions of Safety on a Shared Road: Driving, Cycling, or Walking near an Autonomous Vehicle", *Journal of Safety Research, Special Issue on Safety, Human Factors and Technology* 72: 249–258 (2020). (Tier 1)
50. Chacón–Hurtado*^G, D., I. Kumar, K. Gkritza, J. Fricker, L. Beaulieu, "The Role of Transportation Accessibility in Regional Economic Resilience," *Journal of Transport Geography* 84, (2020). (Tier 1)
51. Chacón–Hurtado*^G, D., Losada Rojas^G, L.L., K. Gkritza, J. Fricker, D. Yu, "A Proposed Framework for the Incorporation of Economic Resilience into Transportation Decision Making," *ASCE Journal of Management in Engineering*, 36(6), (2020). (Tier 1)
52. Konstantinou*^G, T., K. Gkritza, "A Multi-criteria Decision-making Approach for a Statewide Deployment of Dynamic Wireless Charging for Electric Vehicles", *Advances in Transportation Studies* (53) 5–22 (2021). (Tier 1)
53. Berrick*, J.A., K. Gkritza, "Adolescent Noncompliance with Age-specific Versus Universal US Motorcycle Helmet Laws: Systematic Review and Meta-analysis", *Journal of Safety Research* (76) 166–175 (2021). (Tier 1)

54. Luo G, H.*, Z. Zhang^G, K. Gkritza, and H. Cai, “Are Shared Electric Scooters Competing with Buses: A Case Study in Indianapolis,” *Transportation Research Part D: Transport and Environment* 97 (2021). (Tier 1)
55. Losada Rojas*^G and K. Gkritza, “Individual and Location-based Characteristics Associated with AV Adoption in the Chicago Metropolitan Area: Implications for Public Health,” *Journal of Transport & Health, Special Issue on Health Equity*, (22), 101232 (2021). (Tier 1)
56. Losada Rojas*^G, Y. Ke, V.D. Pyrialakou, and K. Gkritza, “Access to Healthy Food in Urban and Rural Areas: An Empirical Analysis”, *Journal of Transport & Health* (23), 101245 (2021). (Tier 1)
57. Konstantinou*^G, T., C. Gkartzonikas^G, K. Gkritza, “Public Acceptance of Electric Roadways,” *International Journal of Sustainable Transportation* (accepted September 15, 2021). (Tier 1)
58. Gkartzonikas*^G, C., L.L, Losada Rojas^G, S. Christ, V.D. Pyrialakou, and K. Gkritza, “Behavioral Intention to Ride in Autonomous Vehicles: Theoretical Constructs and Empirical Results from Three U.S. Cities”, *Transportation* (accepted November 28, 2021). (Tier 1)
59. Trinko, D., N. Horesh, R. Zane, Z. Song, A. Kamimeni, T. Konstantinou^G, K. Gkritza, T. Bradley, J. Quinn, “In-Motion Wireless Power Transfer Applied in High-Density Traffic Corridors: Economic Feasibility,” *e-Transportation* (accepted December 29, 2021). (Tier 1)
60. Adsit*^G, S., T. Konstantinou*^G, K. Gkritza, J. Fricker, “Public Acceptance of and Confidence in Navigating Intersections with Alternative Designs: A Bivariate Ordered Probit Analysis,” *ASCE Journal of Transportation Engineering* (in press, accepted March 10, 2022). (Tier 1)

Refereed journal papers under review

61. Gkartzonikas*^G, C., Y. Ke, and K. Gkritza, “A Tale of Two Modes: Who Will Use Single User and Shared Autonomous Vehicles,” *Case Studies in Transport Policy* (under review, revised and resubmitted February 14, 2022). (Tier 1)
62. Kang, K., D. Chen, D. Koo, C. Peng, K. Gkritza and S. Labi, “Agent-based Simulation Model for Electric Vehicle Long-Distance Trips in the State of Indiana,” *Transportation Research Record, Journal of the Transportation Research Board* (under review, submitted July 31, 2021) (Tier 1)
63. Chacón–Hurtado*^G, D., I. Kumar, K. Gkritza, J. Fricker, “Excess Commuting Burden: A Metric to Assess Variations in Journey-to-Work across Income Categories,” *Case Studies in Transport Policy* (under review, submitted July 12, 2021). (Tier 1)
64. Haddad*^G, D., T. Konstantinou^G, D., Aliprantis, K. Gkritza, S. Pekarek, J. Haddock, “Analysis of the Financial Viability of High-Powered Electric Roadways: A Case Study for the State of Indiana,” *Energy Policy* (under review, submitted December 4, 2021) (Tier 1). [pre-print available at: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3984332]
65. Konstantinou*^G, T., K. Gkritza, “Are We Getting Close to Truck Electrification? U.S. Truck Fleet Managers’ Stated Intentions to Electrify their Fleets,” *Transportation Research Part A; Policy and Planning* (under review, submitted January 31, 2022).

66. Losada Rojas*^G and K. Gkritza, “Physical Activity in Rural America: Identifying the Role of Car Usage, Self-perceived Health, and Personal Traits,” *the Journal of Rural Health* (under review, submitted February 25, 2022). (Tier 1)

D.2 Refereed conference or symposium papers.

1. Gkritza*, K., J. Collura, D. Teodorovic and S. Tignor, “An Analysis of the Characteristics of Emergency Vehicle Operations in the Washington, D.C. Region,” In *Proceedings of the 83rd Transportation Research Board Annual Meeting*, January 8–12, Washington D.C. (2004).
2. Rodriguez*, M., K. Gkritza, S. Labi, and K.C. Sinha, “Factors Affecting Bridge Deck Deterioration in Indiana,” In *Proceedings of the 84th Transportation Research Board Annual Meeting*, January 9–13, Washington D.C. (2005).
3. Gkritza*, K., and S. Labi, “Likelihood of Occurrence, Magnitude and Rate of Cost Discrepancies in Highway Contracts,” In *Proceedings of the 85th Transportation Research Board Annual Meeting*, January 22–26, Washington D.C. (2006).
4. Gkritza*, K., S. Labi, F.L. Mannering and K.C. Sinha, “Economic Development Effects of Highway Added-Capacity Projects,” In *Proceedings of the International Transportation Economic Development Conference (I-TED 2006)*, March 28–30, Little Rock, Arkansas (2006).
5. Gkritza*, K., M. Rodriguez, S. Labi, and Z. Li, “Development of Bridge Preservation Cost Models for Planning, Programming, and Budgeting,” In *Proceedings of the 86th Transportation Research Board Annual Meeting*, January 21–25, Washington D.C. (2007).
6. Gkritza*, K., K.C. Sinha, S. Labi, and F.L. Mannering, “Economic Development and Highway Project Decision-making,” In *Proceedings of the 10th International Conference on Application of Advanced Technologies in Transportation*, May 27–31, Athens, Greece (2008).
7. Anastasopoulos*^G, P.C., K. Gkritza, B. G. McCullouch, F. L. Mannering, and K. C. Sinha, “Performance-based Contracting for Roadway Maintenance: An Exploratory Empirical Analysis,” In *Proceedings of the 10th International Conference on Application of Advanced Technologies in Transportation*, May 27–31, Athens, Greece (2008).
8. Ibáñez*^G, E., J.D. McCalley, D. Aliprantis, R. Brown, K. Gkritza, A. Somani, and L. Wang, “National Energy and Transportation Systems: Interdependencies within a Long Term Planning Model,” In *Proceedings of the IEEE Energy 2030 Conference*, November 17–18, Atlanta, Georgia (2008).
9. Rentziou^G, A., C. Milioti^{UG}, K. Gkritza, and M.G. Karlaftis, “Urban Road Pricing: Modeling Public Acceptability,” In *Proceedings of the 89th Transportation Research Board Annual Meeting*, January 10–14, Washington D.C. (2010).
10. McCalley, J.D., E. Ibáñez*^G, K. Gkritza, D. Aliprantis, L. Wang, and A. Somani, “National Long-term Investment Planning for Energy and Transportation Systems,” In *Proceedings of the IEEE Power Energy Society General Meeting*, July 25–29, Minneapolis, Minnesota (2010).
11. Wang*^G, T., K. Gkritza, and R.R. Souleyrette, “A Transportation Safety Planning Tool for the City of Ames,” In *Proceedings of the 12th National Tools of the Trade Conference*, September 22–24, Williamsburg, Virginia (2010).

12. Rentziou*^G, A., and K. Gkritza, “Predicting Passenger Trips for Future Energy and Transportation Infrastructure Investment Planning,” In Proceedings of the 5th International Congress on Transportation Research, September 26–28, Volos, Greece (2010).
13. Zhang*^G, W., K. Gkritza, N. Keren, and S. Nambisan. “Evaluation of Iowa’s Driver Improvement Program,” In Proceedings of the 90th Transportation Research Board Annual Meeting, January 23–27, Washington D.C. (2011).
14. Rentziou*^G, A., K. Gkritza, and R. Souleyrette, “VMT, Energy Consumption, and Greenhouse Gas Emissions Forecasting for Passenger Transportation,” In Proceedings of the 90th Transportation Research Board Annual Meeting, January 23–27, Washington D.C. (2011).
15. Baird*^G, M., K. Gkritza, R. Souleyrette, and B. Danielson, “Empirical Bayes Model to Assess Deer-Vehicle Crash Safety in Urban Areas in Iowa,” In Proceedings of the 90th Transportation Research Board Annual Meeting, January 23–27, Washington D.C. (2011).
16. Kastrouni*^G, E., K. Gkritza, and M.G. Karlaftis, “Causal Linkages between Public Capital, Private Capital, and Economic Growth,” In Proceedings of the International Transportation Economic Development Conference (I-TED 2011), May 1–3, Charleston, West Virginia (2011).
17. Zhang*^G, W., M. Shaheed^G, K. Gkritza, and Z. Hans, “Differences in Motorcycle Conspicuity-related Factors and Motorcycle Crash Severities in Daylight and Dark Conditions,” In Proceedings of the 3rd International Conference on Road Safety and Simulation, September 14–16, 2011, Indianapolis, Indiana (2011).
18. Lavrenz*^G, S., and K. Gkritza, “Forecasting Coal Movements through Mississippi River Lock No. 27 Using Ordinary Least Squares Regression,” In Proceedings of the 91st Transportation Research Board Annual Meeting, January 22–26, Washington D.C. (2012).
19. Gao*^G, J., K. Gkritza, O. Smadi, and N. Hawkins, “Safety Performance vs. Asset Performance: An Iowa DOT Case Study,” In Proceedings of the 9th National Conference on Asset Management, April 16–18, San Diego, California (2012).
20. Shaheed*^G, M., D. Marshall, and K. Gkritza, “Factors Affecting Motorcycle Conspicuity – A Driving Simulator-Based Study,” In Proceedings of the 92nd Transportation Research Board Annual Meeting, January 13–17, Washington D.C. (2013).
21. Wang*^G, T., R. Souleyrette, and K. Gkritza, “Incorporating Safety into Transportation Planning at Smaller Agencies,” In Proceedings of the 92nd Transportation Research Board Annual Meeting, January 13–17, Washington D.C. (2013).
22. Gao*^G, J., B. Aldemir Bektas^{PD}, K. Gkritza, O. Smadi, and N. Hawkins, “The Relationship Between Asset Condition and Safety on Primary Roads in Iowa,” In Proceedings of the 92nd Transportation Research Board Annual Meeting, January 13–17, Washington D.C. (2013).
23. Shaheed*^G, M., D. Bilionis^G, and K. Gkritza, “A Latent Class Logit Analysis of Crash Severity Outcomes in Single-Vehicle Motorcycle Crashes in Iowa,” In Proceedings of the 4th International Conference on Road Safety and Simulation, October 22–25, Rome, Italy (2013).
24. Cerwick*^G, D., K. Gkritza, and Z. Hans, “Study of Single- and Multiple-Vehicle Crashes and Injury Severities Involving Heavy Trucks in Iowa,” In Proceedings of the 93rd

- Transportation Research Board Annual Meeting, January 12–16, Washington D.C. (2014).
25. Pyrialakou*^G, V.D., I. Nlenanya^G, and K. Gkritza, “Passenger Transportation Networks and Urbanization Level: Comparison of Classification Schemes,” In Proceedings of the 93rd Transportation Research Board Annual Meeting, January 12–16, Washington D.C. (2014).
 26. Pyrialakou*^G, V.D., K. Gkritza, and M.G. Karlaftis, “An Econometric Analysis of Automobile Demand by Automobile Type in Greece,” In Proceedings of the 55th Annual Transportation Research Forum, March 13–15, San Jose, California (2014).
 27. Pyrialakou*^G, V.D., and K. Gkritza. “A Comprehensive Framework for Assessing Passenger Rail Services: A Case Study of the Hoosier State Line,” In Proceedings of the 2014 Joint Rail Conference, April 2–4, Colorado Springs, Colorado (2014).
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45. Losada Rojas*^G, L.L, K. Gkritza, and V.D. Pyrialakou, “Assessing the First and Last Mile Problem in Intercity Passenger Rail Service,” North American Meetings of the Regional Science Association International (RSAI) sponsored by the North American Regional Science Council (NARSC), November 8–11, Vancouver, British Columbia (2017).
46. Ke*^G, Y., and K. Gkritza, “Conspicuous consumption: Geospatial Trends in Vehicle Type Choice and Travel Behavior,” Applying Census Data for Transportation: 50 Years of Transportation Planning Data Progress, November 14–16, Kansas City, Missouri (2017).

47. Losada Rojas*^G, L.L., V.D. Pyrialakou, and K. Gkritza, “A Multimodal Analysis to Identify Rural and Urban Areas of Low Accessibility to Healthy Food in Indiana,” 97th Transportation Research Board Annual Meeting, January 7–11, Washington D.C. (2018).
48. Ke*^G, Y., and K. Gkritza, “Geospatial Trends in Light Rail Transit's Effects on Nearby House Prices in Charlotte, North Carolina”, 97th Transportation Research Board Annual Meeting, January 7–11, Washington D.C. (2018).
49. Losada Rojas*^G, L.L., V.D. Pyrialakou, C. Gkartzonikas^G, and K. Gkritza, “Access to Intercity Passenger Rail: Effects on Mode Choice and Trip Frequency,” 97th Transportation Research Board Annual Meeting, January 7–11, Washington D.C. (2018).
50. Sadeghi *^G, L., K. Gkritza, and J. E. Haddock, “Using LTTP Monitoring Data to Predict Pothole Formation,” 97th Transportation Research Board Annual Meeting, January 7–11, Washington D.C. (2018). (*First Place Winner in LTTP contest*).
51. Ke*^G, Y, Chacón–Hurtado ^G, D., K. Gkritza, J. Fricker, “Evaluating Economic Development Impacts of Preservation Projects,” 104th Annual Purdue Road School & Expo, March 6–7, West Lafayette, Indiana (2018).
52. Losada Rojas*^G, L.L., C. Gkartzonikas^G, K. Gkritza, and V. D. Pyrialakou, “Riding the Hoosier State Train: Changes in Riders’ Opinions over Time and Best Practices”, 104th Annual Purdue Road School & Expo, March 6–7, West Lafayette, Indiana (2018).
53. Losada Rojas*^G, L.L., and K. Gkritza, “Influence of Shared Mobility in Health-Related Outcomes: A Look into the Current Literature”, 5th Annual Summer Conference on Livable Communities, June 21–22, Kalamazoo, Michigan (2018).
54. Gkartzonikas*^G, C., and K. Gkritza, “Assessing the Behavioral Intention to Ride in Autonomous and Shared Autonomous Vehicles and Market Segmentation Analysis”, 15th International Conference on Travel Behavior Research (IATBR), July 15–20, Santa Barbara, California.
55. Chacón–Hurtado*^G, D., K. Gkritza, and J. Fricker, “Evaluating the Economic Development Impacts of Arterial Signal Coordination Strategies,” presented at the TRB 16th National “Tools of The Trade” Conference on Transportation Planning for Small and Medium-Sized Communities, August 22–24, Kansas City, Missouri (2018).
56. Ke*^G, Y., and K. Gkritza, “A Meta-analysis of Light Rail Transit’s Effects on Nearby Single-family Residential Land Values in the United States,” North American Meetings of the Regional Science Association International (RSAI) sponsored by the North American Regional Science Council (NARSC), November 7–10, San Antonio, Texas (2018).
57. Losada Rojas*^G, L.L., and K. Gkritza, “The Nexus between Rural Health and Transportation: Current Trends and Future Directions,” North American Meetings of the Regional Science Association International (RSAI) sponsored by the North American Regional Science Council (NARSC), November 7–10, San Antonio, Texas (2018).
58. Ke*^G, Y, Chacón–Hurtado ^G, D., K. Gkritza, J. Fricker, “Evaluating the Economic Development Impacts of Preservation Projects in Indiana,” 105th Annual Purdue Road School & Expo, March 5–6, West Lafayette, Indiana (2019).
59. Clawson, R., K. Gkritza, “CATV Policy & Innovation: Discussion of Real World Implications,” 105th Annual Purdue Road School & Expo, March 5–6, West Lafayette, Indiana (2019).

60. Konstantinou*^G, T., K. Gkritza, D. Aliprantis, S. Pekarek, J. Haddock, “Electric Vehicle Opportunities in Indiana,” 105th Annual Purdue Road School & Expo, March 5–6, West Lafayette, Indiana (2019).
61. Gatlin*^G, D, C. Gkartzonikas^G, V. Pyrialakou, K. Gkritza, “Perceived Safety of Autonomous Vehicles: An Exploration and Critical Examination of a Common Motivator”, ASCE International Conference on Transportation & Development (ICTD 2019), June 9–12, Washington, DC (2019).
62. Konstantinou*^G, T., C. Gkartzonikas^G, K. Gkritza, “Electric Roadways: Market Adoption, Willingness to Pay and Impact on Emissions,” ASCE International Conference on Transportation & Development (ICTD 2019), June 9–12, Washington, DC (2019).
63. Gkartzonikas*^G, C., K. Gkritza, “Potential Implications of Autonomous Vehicles on Personal Vehicle Ownership and Demand for Public Transit,” ASCE International Conference on Transportation & Development (ICTD 2019), June 9–12, Washington, DC (2019).
64. Losada Rojas*^G, L.L., C. Gkartzonikas^G, K. Gkritza, “Assessing the socio-economic implications related to the emergence of shared autonomous vehicles,” ASCE International Conference on Transportation & Development (ICTD 2019), June 9–12, Washington, DC (2019).
65. Souders, D. J., R. Clawson, and K. Gkritza, “Ethical, Legal, and Social Implications of Connected and Automated Vehicle Deployment: Findings from Four Workshops,” Automated Vehicles Symposium, July 15–18, Orlando, Florida (2019).
66. Konstantinou*^G, T., Gkritza, K., Aliprantis, D., Pekarek, S., Haddock, J., Haddad, D., Prasad^G, A., Hua^{UG}, Z., “A Multi-Criteria Decision Making Framework for the Deployment of Electric Roadways”, 4th SELECT Annual Meeting and Technology Showcase, September 17-18, Logan, Utah (2019).
67. Haddad*^G, D., Konstantinou^G, T., Prasad*^G, A., Aliprantis, D., Gkritza, K., Pekarek, S., “Data-Driven Design and Assessment of Dynamic Wireless Charging Systems,” 4th SELECT Annual Meeting and Technology Showcase, September 17-18, Logan, Utah (2019).
68. Losada Rojas*^G, L.L., K. Gkritza, “Active Travel in the Autonomous Vehicles’ Era,” North American Meetings of the Regional Science Association International (RSAI) sponsored by the North American Regional Science Council (NARSC), November 13–16, Pittsburgh, Pennsylvania (2019).
69. Ke*^G, Y., K. Gkritza, “How does Directional Heterogeneity Affect Prices of Single-family Residences near LRT Stations?” North American Meetings of the Regional Science Association International (RSAI) sponsored by the North American Regional Science Council (NARSC), November 13–16, Pittsburgh, Pennsylvania (2019).
70. Konstantinou*^G, T., Gkartzonikas^G, C., Gkritza, K., “Estimating Market Acceptance of Electric Roadways: the Case of Los Angeles, CA”, 3rd International Symposium on Multimodal Transportation (ISMT 2019), National University of Singapore, December 6–8, Singapore (2019).
71. Zhang*^G, Z., Gkritza, K., Cai, H., “Assessing the Energy and Environmental Implications to the Emergence of Autonomous Vehicles”, 3rd International Symposium on Multimodal Transportation (ISMT 2019), National University of Singapore, December 6-8, Singapore (2019).

72. Konstantinou*^G, T., Gkritza, K., “Dynamic Wireless Charging for Electric Vehicles: Technology Overview and Impacts on Emissions,” TRB 99th Annual Meeting, Energy Ideathon Session, January 12-15, Washington, D.C. (2020).
73. Chacón–Hurtado*^G, D., I. Kumar, K. Gkritza, and J. Fricker, “Exploring a Measure of Commuting Burden for Low-income Workers in Indiana using CTPP Data,” TRB 99th Annual Meeting, January 12-15, Washington, D.C. (2020).
74. Zhang*^G, Z., Gkritza, K., Cai, H., “An Agent-based Simulation Model of Autonomous Vehicles based on CTPP Commuting Data”, TRB 99th Annual Meeting, January 12-15, Washington, D.C. (2020).
75. Losada Rojas*^G, L.L., C. Gkartzonikas^G, K. Gkritza, “Market Acceptance of Autonomous Vehicles in Transportation Disadvantaged Areas: Implications for Policy and Planning,” TRB 99th Annual Meeting, January 12–15, Washington, D.C. (2020).
76. Losada Rojas*^G, L.L. Gkritza, K. Characteristics Associated with AV Adoption in the Chicago Metropolitan Area: Implications for Public Health. 2nd Annual Conference on Next-Generation Transport Systems. December 28–31 (2020).
77. Losada Rojas*^G, L.L., Pyrialakou V.D., Gkritza, K. “Travel Behavior in Rural Areas: Implications for Physical Activity and Health. North American Regional Science. Denver, Colorado. November 10–13 (2021).
78. Losada Rojas*^G, L.L., Pyrialakou V.D., Waldorf B., Gkritza, K. “Quantifying the Difference of Opportunities to Enhance Health in Urban, Suburban, Large Towns, and Rural Areas in the U.S.,” International Conference on Transport & Health, June 14–30 (2021).
79. Losada Rojas*^G, L.L., Gkritza, K. Public Acceptance and Socio-Economic Analysis of Shared Autonomous Vehicles: Implications of Policy and Planning. 2021 CCAT Global Symposium on Connected and Automated Vehicles and Infrastructure. April 12 (2021).
80. Konstantinou*^G, T., K. Gkritza, D. Koo, K. Kang, “Electric Vehicle Challenges and Opportunities in Indiana,” 108th Annual Purdue Road School & Expo, March 15–16, West Lafayette, Indiana (2022).

D.6 Invited publications and conference/symposium presentations.

1. Gkritza*, K., and F.L. Mannering, “Safety Belt Use in Indiana: Some New Evidence,” ITE Great Lakes District Annual Meeting, April 26–27, Indianapolis, Indiana (2007).
2. Gkritza*, K., “Safety Programming in Iowa,” Multi–Discipline Safety Planning Forum, March 10–11, Ames, Iowa (2008).
3. Gkritza*, K., and S. Nambisan, “Impacts of the Bioeconomy on Transportation Infrastructure & Logistics,” 2008 Bio–based Industry Outlook Conference: Growing the Bioeconomy, September 7–10, Ames, Iowa (2008).
4. Gkritza*, K., and D. Smith, “Infrastructure Impacts of Iowa’s Changing Economy,” 2008 Iowa County Engineers’ Conference, December 2–4, Ames, Iowa (2008).
5. Gkritza*, K., “Iowa’s Driver Improvement Program and Iowa’s Special Deer Management Hunts,” 14th Annual Traffic and Safety Forum, November 4, West Des Moines, Iowa (2009).
6. Gkritza*, K., and D. Smith, “Iowa’s Roadway Data Used for Assessing Impacts,” Workshop on Rural Financing, 89th TRB Annual Meeting, January 10–14, Washington D.C. (2010).

7. Wu*_G, D., D. Aliprantis, and K. Gkritza, “Electric Power Consumption by Light–Duty Plug–in Electric Vehicles,” TRB Environment and Energy Research Conference: Better Delivery of Better Transportation Solutions, June 6–10, Raleigh, North Carolina (2010).
8. Gkritza*, K., “Iowa’s Renewable Energy and Infrastructure Impacts,” 2010 Iowa County Engineers’ Conference, December 7–9, Ames, Iowa (2010).
9. Aliprantis*, D. C., K. Gkritza, D. Wu_G, J. Brown_G, J. Gifford_G, E. Kastrouni^G, L.G. Marciaga_G, and J. Slegers^G, “Sustainability Assessment of Energy and Transportation Infrastructures for Investment Planning,” NSF EFRI RESIN Workshop, January 13–14, University of Arizona, Tucson (2011).
10. Losada Rojas*^G, L.L., C. Gkartzonikas^G, and K. Gkritza, “Using On–Board Surveys to Monitor Changes in Passenger Rail Rider Opinions’ Over Time: A Case Study of Hoosier State Train,” 2017 Joint Rail Conference, April 4–7, Philadelphia, Pennsylvania (2017).
11. Gkritza, K., and C. Gkartzonikas*^G, “Behavioral Experiments for Smart Mobility and Autonomy,” 97th Transportation Research Board Annual Meeting, January 7–11, Washington D.C. (2018).
12. Gkritza, K., “System-Level Studies and Models Exploring Energy, Environmental and Economic Benefits of Electrified Roads,” 5th Annual Conference on Electric Roads & Vehicles (CERV), February 26–27, Park City, Utah (2018).
13. Gkritza, K., “Dynamic Wireless Charging for Electric Vehicles: Economic Feasibility and Impact on Emissions,” 6th Annual Conference on Electric Roads & Vehicles (CERV), February 10–11, Park City, Utah (2020).
14. Konstantinou*^G, T., and K. Gkritza, “Evaluating the Potential of Truck Electrification and Implementation of Dynamic Wireless Charging: User and Agency Perspectives”, Workshop on Doctoral Research in Transportation Policy, Planning, and Analysis, 101st Transportation Research Board Annual Meeting, January 9–13, Washington D.C. (2022).

D.7 Invited colloquium/seminar series presentations.

1. “Discrete Choice Analysis,” Seminar presented at the National Technical University of Athens, Greece, December 2009.
2. “Transportation and Energy Interdependencies: Implications for Infrastructure Design,” Seminar presented at the National Technical University of Athens, Greece, February 26, 2015.
3. “Economic Impact Assessment of Transportation Projects at the Early– and Middle–stage Planning Levels,” Workshop 135: Benefit–Cost Analysis to Inform Planning, Programing, and Design Decisions, TRB 95th Annual Meeting, January 10–14, 2016, Washington, D.C.
4. “Transportation and Energy Interdependencies: Implications for Investment Planning and Finance,” Seminar presented at the 17th Annual Technical Day, University of Massachusetts at Amherst, March 25, 2016.
5. “Modeling Public Perceptions and Technology Acceptance: The Case of Autonomous and Shared Autonomous Vehicles,” Webinar presented as part of the monthly SELECT

(Sustainable Electrified Transportation) Brown Bag web networking events, May 23rd, 2017.

6. “Electrifying Times in Transportation,” Webinar presented as part of the Mizzou Transportation Seminar, University of Missouri at Columbia, March 12th, 2021.
7. “Public Acceptance and Socio-Economic Analysis of Shared Autonomous Vehicles: Implications for Policy and Planning,” Webinar presented as part of the 2021 Global Symposium on Connected & Automated Vehicles and Infrastructure, University of Michigan, Center for Connected Automated Transportation (CCAT), April 12th, 2021.
8. “Electrifying Times in Transportation,” Webinar presented as part of the Kent Transportation Seminar, University of Illinois at Urbana-Champaign, October 21st, 2021.

D.8 Appearances in media interviews and other coverage. (e.g., print, web, radio, television or other media coverage)

Civil Engineering, the Magazine of the American Society of Civil Engineers, January 2014, 33–34.

The Wall Street Journal, Winter Flight Canceled? How About Heated Runways?, February 19, 2014.

<http://www.wsj.com/articles/SB10001424052702304914204579392883809689994?mod=e2tw>

WBAA News, Ask The Mayor: Lafayette's Tony Roswarski On Sports, Sundials and Streets, featuring the focus group discussion on Hoosier State Train that took place in West Lafayette on September 28th, 2015.

<http://wbaa.org/post/ask-mayor-lafayettes-tony-roswarski-sports-sundials-and-streets>

Lafayette Journal & Courier, Hoosier State Train: A Chicken and Egg Problem, December 4th, 2016.

<http://www.jconline.com/story/money/business/2016/12/04/hoosier-state-train-chicken-and-egg-problem/94750536/>

Featured in #31*PurdueWomen*, featuring women researchers from Purdue both past and present (March 13th, 2018). <http://www.purdue.edu/research/publications-data/31-purdue-women.php>

Inside Indiana Business, Purdue to Collaborate on Electrified Transportation Research (August 11th, 2020), <https://www.insideindianabusiness.com/story/42481000/purdue-to-collaborate-on-electrified-transportation-research>

Media about INDOT/Purdue wireless charging pilot (Summer/Fall 2021)

<https://ph.news.yahoo.com/indiana-test-highways-charge-moving-170700556.html>

<https://www.smartcitiesdive.com/news/indiana-dot-purdue-developing-wireless-ev-charging-for->

[highways/603774/?utm_medium=email&utm_source=rasa_io&PostID=34687949&MessageRunDetailID=5954760948](https://www.smartcitiesdive.com/news/indiana-dot-purdue-developing-wireless-ev-charging-for-highways/603774/?utm_medium=email&utm_source=rasa_io&PostID=34687949&MessageRunDetailID=5954760948)

<https://flyoverfuture.com/newsletters/wireless-charging-testing-unmanned-aerial-systems-osu-quantum-technology/>

<https://statescoop.com/indiana-purdue-university-pilot-vehicle-charging-concrete/>

<https://www.wlfi.com/content/news/INDOT-and-Purdue-to-create-wireless-charging-solution-for-electric-vehicles-574755431.html>

<https://www.thedrive.com/tech/41625/pavement-that-wirelessly-charges-evs-will-be-tested-in-indiana>

<https://inf.news/en/tech/1c118f0d87458b681a7d362ac4904b11.html>

<https://www.autoblog.com/2021/07/22/indiana-wireless-highway-charging/>

<https://www.greencarcongress.com/2021/07/20210719-magment.html>

<https://www.nytimes.com/2021/11/29/technology/electric-cars-magnetic-roads.html?smid=em-share>

Resources Radio podcast, <https://www.resources.org/resources-radio/magnetized-concrete-the-future-of-electric-vehicle-charging-with-nadia-gkritza/>

E. ENGAGEMENT

E.1 Major committee assignments in the Department, School, and/or University.

Iowa State University

Chair and Director of Graduate Education for Interdisciplinary Graduate Program in Transportation (MS Trans), 2008-2013.

Civil, Construction, and Environmental Engineering, Graduate Recruitment Committee Member, 2007-2008.

Civil, Construction, and Environmental Engineering, Computer Committee Member, 2007-2009.

Civil, Construction, and Environmental Engineering, Undergraduate Curriculum Committee Member, 2007-2009.

Civil, Construction, and Environmental Engineering, Graduate Committee Member, Transportation Area Representative, 2008-2013.

Civil, Construction, and Environmental Engineering, Women & Minorities Committee Member, 2009-2010;

Purdue University

Lyles School of Civil Engineering, Graduate Committee member, Transportation Area Representative, August 2013-August 2019.

Lyles School of Civil Engineering, Strategic Plan Subcommittee Member, Theme 3: Increase accessibility to high quality, flexible and affordable higher education, since May 2014.

Lyles School of Civil Engineering, Faculty Governance Committee, at-large representative, 2014-2016.

Lyles School of Civil Engineering, Planning Committee of the 120th Graduating Anniversary of the first alumna, Spring 2017.

Lyles School of Civil Engineering, Advisory Council, Faculty Representative, 2017-2020.

Lyles School of Civil Engineering, Faculty Governance Committee, Transportation Area Representative, 2017-present.

Lyles School of Civil Engineering, ACS Faculty Search member, 2019-2020.

College of Engineering, Faculty Working group (led by Prof. Mike Ladisch) for defining forward directions for *Faculty and Research*, Spring 2018.

College of Engineering, Engineering Area Promotions Committee (EAPC), 2021-2024.

E.2 Service to government or professional organization.

National Science Foundation proposal reviewer for the ENG/NSF Environmental Sustainability Program, December 2–3, 2008.

Editor for the publications sponsored by the Transportation and Economic Development Committee, *Transportation Research Record*, *Journal of the Transportation Research Board* (2009-2020).

Associate Editor, American Society of Civil Engineers (ASCE) *Journal of Transportation Engineering* (since 2011).

Guest Editor, Special Issue on ITS Applications for the Environment and Energy Conservation, *Journal of Intelligent Transportation Systems: Technology, Planning, and Operations*, Taylor & Francis (2011–2012).

Grant reviewer for METRANS, the US DOT University Transportation Centers at University of Southern California, May 2011.

Grant reviewer for Region 2 University Transportation Research Center at City College of New York (CCNY), July 2011.

Transportation Research Board, National Cooperative Highway Research Program Synthesis Study 44-02, “Using the Economic Value Created by Transportation to Fund Transportation,” 2012–2013.

National Science Foundation proposal reviewer for the Civil Infrastructure Systems program in Transportation, December 4–5, 2013.

Transportation Research Board, National Cooperative Highway Research Program Project 08-99, “Methodology for Estimating the Value of Travel Time Reliability for Truck Freight System Users,” 2013–2014.

Guest Editor, Special Issue on Transportation and Economic Development of the Journal *Research in Transportation Economics*, Elsevier (2015-2016).

Editorial Board, The International Journal of Transportation Science and Technology (IJTST), Elsevier (effective January 2016).

Indiana Department of Transportation, Indiana Statewide Rail Plan, Key Stakeholder, 2016-2017.

Purdue Climate Change Research Center (PCCRC) Indiana’s Climate Change Impacts Assessment, Infrastructure Group, 2016–2017.

National Science Foundation, Graduate Research Fellowship Program Panelist, Sociology & Geographic Sciences, January 2017.

Grant reviewer for UW-Milwaukee’s Research Growth Initiative, January 2017.

Indiana’s Federal Highway Administration Every Day Counts (EDC) Subject Matter Expert (SME) Team member, 2017.

Council of University Transportation Centers (CUTC), Student Awards Review Committee, 2017/2018; 2018/2019.

Grant Reviewer for the Center for Connected Cities for Smart Mobility towards Accessible & Resilient Transportation (C2SMART), A Tier 1 University Transportation Center led by New York University, 2018.

National Institute of Health, Federal Highway Administration, Invited Expert on Workshop on Identifying Infrastructure-Based Motorcycle Crash Countermeasures, February 13, 2018.

Associate Editor, International Journal of Transportation Science and Technology (since January 2021).

Service in Conference and Technical Activities Planning Committees

- Planning Committee, 2006 National Conference on Transportation and Economic Development (I-TED), March 28–30, Little Rock, Arkansas (2006).
- Planning Committee, 2009 Mid-Continent Transportation Research Symposium, August 20–21, Ames, Iowa (2009).

- Planning Committee, Safety Track—8th National Conference on Transportation Asset Management, October 19–21, Portland, Oregon (2009).
- Planning Committee, 5th International Congress on Transport Research, September 30 and October 1, Volos, Greece (2010).
- Planning Committee, 2011 Mid-Continent Transportation Research Symposium, August 18–19, Ames, Iowa (2011).
- Planning Committee, 2011 National Conference on Transportation and Economic Development (I-TED), May 1–4, Charleston, West Virginia (2011).
- Reviewer for the 4th International Conference on Road Safety and Simulation (RSS2013), October 22–25, Rome, Italy (2013).
- Planning Committee, Purdue Road School, March 11–12, West Lafayette, Indiana (2014).
- Co-Chair, Track 7 Energy Efficiency and Sustainability, 2014 Joint Rail Conference, April 2–4, Colorado Springs, Colorado (2014).
- Planning Committee, 2014 International Conference on Transportation and Economic Development (I-TED), April 9–11, Dallas, Texas (2014).
- Co-Chair, Track 7 Energy Efficiency and Sustainability,, 2015 Joint Rail Conference, March 23–26, San Jose, California (2015).
- Technical Committee, 2015 ITE Indiana Section Activities
- Co-Chair, Track 7 Energy Efficiency and Sustainability, 2016 Joint Rail Conference, April 12–15, Columbia, South Carolina (2016).
- Technical Committee, 2016 ITE Indiana Section Activities
- Co-Chair, Track 7 Energy Efficiency and Sustainability, 2017 Joint Rail Conference, April 4–7, Philadelphia, Pennsylvania (2017).
- Co-organizer, 2018 International Conference on Transportation and Economic Development (I-TED), June 2018, Washington D.C.
- Scientific Committee, 8th International Congress on Transportation Research (ICTR 2017), September 28–29, 2017, Thessaloniki, Greece.
- Co-Chair, Track 8 Urban Passenger Rail Transport, 2018 Joint Rail Conference, April 18–20, Pittsburgh, Pennsylvania (2018).
- Co-organizer, 2018 International Conference on Transportation and Economic Development (I-TED), June 6–8, 2018, Washington D.C.
- Member, International Advisory Committee (IAC), 3rd International Symposium on Multimodal Transportation (ISMT2019), National University of Singapore (NUS), December 6–7, Singapore (2019).
- Scientific Committee, 9th International Congress on Transportation Research (ICTR 2021), September 2–3, 2021, Athens, Greece.

Service in Conference Tracks/Sessions

- Session Chair, “Transportation Planning (TPLAN-9),” 10th International Conference on Application of Advanced Technologies in Transportation, 28–30 May, Athens, Greece (2008).
- Session Chair, “Traffic Flow Elements,” 3rd International Conference on Road Safety and Simulation (RSS2011), September 14–16, Indianapolis, Indiana (2011).

- Session Chair, “4-2: Environment”, 55th Annual Forum, March 13-15, San Jose, California (2014).
- Track Chair and Session Chair (Sessions 7-1 and 7-2), 2014 Joint Rail Conference, Colorado Springs, Colorado, April 2-4 (2014).
- Session Chair, D2: Evaluation Issues in Intermodal and Multi-modal Transportation Investment Strategies, 2014 International Conference on Transportation and Economic Development, April 9–11, Dallas, Texas (2014).
- Workshop 155, Data Analysis Contest Results Presentation and Awards, 94th Transportation Research Board Annual Meeting, January 12–16, Washington DC (2015).
- Session 641, Transport Investments and Economic Impacts: Multimodal Perspectives, 94th Transportation Research Board Annual Meeting, January 12–16, Washington DC (2015).

E.3 International program activities.

External reviewer for the research program ‘Archimedes III’, which aims at the Enhancement of Research Groups at the Technological Educational Institutes of Greece, Greek Ministry for Education, Life Long Learning and Religious Affairs, 2011.

External reviewer for the research program ‘Thalis’, which aims at the Interdisciplinary or/and Interdepartmental Research and Innovation with the Prospect for Recruitment of High-Level Researchers from Abroad via the Implementation of Basic and Applied High-Quality Research, Greek Ministry for Education, Life Long Learning and Religious Affairs, 2011.

Global Engineering Program, Purdue Micro-Hydropower Global Design Team, co-advisor, since 2014.

Session Chair of International Conferences (see Section H.4)

Member of the International Road Federation, Committee on Road Finance and Economics (since 2010)

Member, Ph.D. Committees, National Technical University of Athens, Athens, Greece

Member, Ph.D. Committees, Monash University, Victoria, Australia

F. OTHER

F.1 Other collaborative activities.

Collaboration with faculty in Agricultural and Biological Engineering, Agronomy, Agricultural Economics, Forestry and Natural Resources at Purdue University, University of Georgia, Texas A&M University, USDA-ARS, AgSolver, Shell on a DOE/EERE proposal: Bio3BL-Bioenergy Landscape Design for the Triple Bottom Line; the team's proposal was not selected.

Collaboration with faculty in Agricultural and Biological Engineering on proposals (AgSEED, DOE, NSF INFEWS), graduate student committees, global engineering programs, and journal papers. Such collaborators to date include: Bernie Engel, Sara McMillan, Mike Ladisch, Klein Ileleji, Jane Frankenberger, Nathan Mosier, and Abby Engelberth.

Collaboration with faculty at the National Technical University of Athens, Greece; Imperial College London; University of Napoli; Ecole Polytechnique Federale e Lausanne; University of Antwerp; Universitat Politècnica de Catalunya – Centro de Innovación del Transporte; University of California Santa-Cruz; Northwestern University; University of Maryland on Horizon 2020 project; the team's proposal was not selected.

Collaboration with faculty at Virginia Tech and Carnegie Mellon on a U.S. DOT: National and Tier 1 University Transportation Center E-STREET on Preserving the Environment; the team's proposal was not selected.

Thrust Leader, Civil Infrastructure, Center for Resilient Infrastructures, Systems, and Processes (CRISP) at Purdue University, <https://engineering.purdue.edu/CRISP>, since Fall 2018

F.2 Outreach activities.

Iowa First Lego League (FLL) Championship, Technical Judge, January 17, 2009.

Iowa First Lego League (FLL) Championship, Technical Judge, January 16, 2010.

Lyles School of Civil Engineering Open House *Where Will Civil Engineering Take You?* September 18, 2015.

ENGR 131: What Solutions Do Civil Engineers Create?, September 15, 2017.

F.3 Other relevant information.