

YI QI, Ph.D., Professor and Chair
Department of Transportation Studies, Texas Southern University
3100 Cleburne Avenue, Houston, TX 77004
Tel: (713) 313-6809; Fax: (713) 313-1856; E-mail: qiy@tsu.edu

PROFESSIONAL PREPARATION

East China Normal University	Mathematics	B.S., 1996
East China Normal University	Probability and Statistics	M.S., 1999
Polytechnic University of New York	Transportation Planning and Engineering	Ph.D., 2002

APPOINTMENTS

2012 - Present Chair, Department of Transportation Studies, Texas Southern University
2016 - Present Professor, Department of Transportation Studies, Texas Southern University
2011- 2016 Associate Professor, Department of Transportation Studies, Texas Southern University
2005 – 2011 Assistant Professor, Department of Transportation Studies, Texas Southern University
2002 – 2005 Research Associate, Department of Civil Engineering, University of Virginia

PUBLICATIONS

Selected Publications

1. **Qi, Y.**, A. Padiath, Q. Zhao and L. Yu. “Development of Operating Mode ID Distributions For Different Types Of Roadways Under Different Congestion Levels For Vehicle Emission Assessment Using Moves”, Journal of the Air & Waste Management Association, 2016.
DOI:10.1080/10962247.2016.1194338
2. Chen X., **Y. Qi**, and Y. Lu, “Safety Impacts of Using Short Left-Turn Lanes at Unsignalized Median Openings”, Journal of Transportation Research Board, Vol. 2436, pp 13-22, 2014., Win 2015 *TextITE Best Technical Paper Award* (<http://www.textite.org/2015-recipients/>)
3. Chen X., **Y. Qi**, D. Li and Y. Wang, “Dual Right-Turn Lanes in Mitigating Weaving Conflicts at Frontage Road Intersections in Proximity to Off-Ramps”, accepted for publication in Journal of Transportation Planning and Technology, 2014.
4. Wang, Y., K. Cheu, **Y. Qi**, X. Chen, “Operational Impacts of Auxiliary Lanes at Freeway Weaving Segments”, accept for publication in Transportation Research Circular, 2014.
5. Wang, Y., R. Cheu, Y. Qi, and X.Chen. Operational Benefits of Auxiliary Lanes at Isolated Freeway On-ramp Junctions. Journal of Transportation of ITE, 2013
6. Qi ,Y. , Y.Salehi and Y. Wang, “Investigate Existing Non-Intrusive Inspection (NII) Technologies For Port Cargo Inspections By Discrete-Event Simulation Modeling Approach”, Transportation Research Record, Volume 2330, pp 80-86, 2013
7. Chen X., Y. Qi, and G. Liu, “Empirical Study of Gap-Acceptance Behavior of Right-Turn-on-Red Drivers on Dual Right-Turn Lanes”, ASCE's Journal of Transportation Engineering, Volume 139, Issue 2, 2013.
8. Qi ,Y. and P. Yuan , “Pedestrian Safety Under Permissive Left-Turn Signal Control”, Transportation Research Record, Volume 2299, pp 91-100, 2013
9. Chen X. , Y. Qi , and D. Li , “Estimating Right Turn on Red Capacity for Dual Right-Turn Lanes at Signalized Intersections”, Transportation Research Record, Volume 2286, pp 29-38, 2012
10. Qi ,Y., R. Srinivasan, H. Teng and R. Baker, “Analysis of The Frequency and Severity of Rear-End Crashes in Work Zones”, Traffic Injury Prevention, Volume 14(1), pp 61-72, 2013.
11. Qi ,Y., X. Chen, A. Guo and L. Yu, “A New Analytical Approach To Estimating The Operational Benefit And The Safety Cost Of Protected/Permissive Left-Turn Signal Control Mode”, Transportation Research Record, Volume 2149, pp 37-49, 2010

SYNERGISTIC ACTIVITIES

1. Served as Principal Investigator (PI) and Program Director: Preparing technically savvy homeland security professionals for maritime transportation security (Department of Homeland Security Award Number 2014-ST-062-000057, \$800,000, 2014-2018)

2. Served as Principal Investigator (PI) or Co-PI of 24 externally funded research projects, published over 30 scientific papers and made over 50 presentations
3. Serve in numerous significant international and national committees and councils including Transportation Research Board (TRB) ABE40 Committee - Critical Transportation Infrastructure Protection and TRB ABJ70 committee - Artificial Intelligence and Advanced Computing Applications.
4. Develop new curriculums at TSU: GIS application in Transportation and Quantitative Assessment of Transportation Environmental Impact, which attract more minority students to participate in science, mathematics and engineering and effectively integrate the proposed research with the education at HBCU.
5. Develop transportation labs equipped with advanced traffic data collection equipments and traffic monitoring systems. This effort has considerably enhanced the research and education infrastructure in transportation at TSU.
6. Serve as Paper review coordinator for the Transportation Research Board (TRB) ABR10 Committee - Critical Transportation Infrastructure Protection, 2012- present
7. Serve as Editorial Board, International Journal of Transportation Science and Technology, 2016 - present
8. Serve as Reviewer for Transportation Research Record, ASCE Journal of Transportation Engineering, Journal of Transportation Research Part C, Journal of Air & Waste Management Association, Journal of Intelligent Transportation Systems.
9. Served as Associate Editor for ITE 7th issue of the Journal of Transportation of the Institute of Transportation Engineers, July 2015
10. Served as Associate Editor for 15th IEEE ITS Conference, 2012

COLLABORATORS AND OTHER AFFILIATIONS

Collaborators and Co-Editors

Dr. John C. Falocchio, Professor of Polytechnic University of New York, New York,
Dr. Ruey (Kelvin) Cheu, Ph.D., P.E., Associate Professor, the University of Texas at El Paso
Dr. Stephen Mattingly, Associate Professor, University of Texas at Arlington.
Dr. Terry L Clower, Associate Professor, University of North Texas
Dr. Randy Machemehl, Professor, University of Texas at Austin.
Dr. C. Michael Walton, Professor, University of Texas at Austin.
Dr. Sia Ardekani, Professor, University of Texas at Arlington.
Dr. Yi Ping, Associate Professor, Akron University, OH
Dr. Harry H. Teng, Assistant Professor of University of Nevada at Las Vegas, NA
Dr. Brian Smith, Associate Professor of University of Virginia, VA

Thesis Graduate Advisor

Advised **20 Thesis-Track Masters'** Students at Texas Southern University (Currently 5)
 Co-advisor of **2 Masters'** students at University of Virginia, VA
 Committee Member of **4 Ph.D.** Students at Texas Southern University (Currently 1)
 Committee Member of **30 thesis-track Masters'** students at Texas Southern University
 Advised **16 Non-Thesis-Track Masters'** Students at Texas Southern University (Currently 2)