
Ali Sercan Kesten, PhD



Assistant Professor

Işık University, Department of Engineering, Civil Engineering Division.

FIELDS OF SCIENTIFIC INTEREST

- Highway and Railway Route Design, Urban Public Transportation, Railway Engineering, Transportation Systems Analysis, Transportation Economics, Traffic Data Analyses and Estimation, Earthwork Distribution and Hauling Optimization, Highway Traffic Control

EDUCATION

- **Dr. of Engineering**
Tokyo Institute of Technology, Tokyo, Japan
October 2010 – September 2013
 - **Master of Transportation Engineering**
Istanbul Technical University, Istanbul, Turkey
July 2005 – January 2008
 - **Bachelor Civil Engineering**
Istanbul Technical University, Istanbul, Turkey
September 2001 - June 2005
 - **High School Graduate**
Mersin Anatolian High School, Mersin, Turkey
September 1994 - June 2001
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PUBLICATIONS RELATED WITH THE PHD RESEARCH

A. Thesis

1. **Master Thesis**, *A new passenger-oriented performance measurement framework for public rail transportation systems*, ITU FBE, Civil Engineering Department, Transportation Engineering Program, January 2008, Thesis Advisor: Associate Professor Dr. Kemal Selçuk Öğüt
2. **Ph.D. Thesis**, *Evaluating efficiency and equity concepts of traffic control strategies: a novel traffic control and equity measurement approach*, Titech, The Interdisciplinary Graduate School of Science and Engineering, Department of Built Environment, September 2013, Thesis Advisor: Professor Dr. Tetsuo Yai

A. International Refereed Journals

1. Alpkökin, P., Black, J., Iyınam, S. and Kesten, A.S*., *urban transport polices towards sustainability: historical analyses of economic, social and environmental impacts of the europe-asia crossings in Istanbul*, International Journal of Sustainable Transportation,

DOI:10.1080/15568318.2013.853852 *SSCI (*corresponding author)

2. Kesten, A.S*. and **ÖĞÜT, K.S.,** *A new passenger-oriented performance measurement framework for public rail transportation systems*, PROMET-Traffic&Transportation 26.4 (2014): 299-311.

DOI: <http://dx.doi.org/10.7307/ptt.v26i4.1314> *SCI (*corresponding author)

3. Kesten, A.S*., Yai T., and Ergün, M., *Investigation of freeway traffic control strategies' performance*, Scientific Research and Essays 8.37, 1785-1795. October 2013:

DOI: 10.5897/SRE2013.5500 (*corresponding author)

4. Kesten, A.S*., Yai, T., and Ergun, M., *An analysis on efficiency and equity of fixed-time ramp metering*, Journal of Transportation Tecdhnologies, 3 (2013): 48-56, May 2013.

DOI: 10.4236/jtts.2013.32A006 (*corresponding author)

5. Ergun, M. and Kesten, A.S*., *Alteration of bus routes in large-scale networks*, Scientific Research and Essays Vol. 6(28), pp. 5865-5882, 23 November, 2011

DOI: 10.5897/SRE11.814. (*corresponding author)

B. Selected International Conference Papers

1. Kesten, A. S., Öztürk, Z., Öztürk, O., *Variable speed control for highway management*, TRANSIST2013, 25-26 December, 2013, Istanbul, Turkey. (in Turkish).

2. Öztürk, Z., Öztürk, O. Kesten, A. S., *A study on determination of air pollution emission from railways*, TRANSIST2013, 25-26 December, 2013, Istanbul, Turkey (in Turkish).

3. Kesten, A.S., Yai T., Ergün, M., *Ramp Metering and Speed Management Simulation Modeling for Bosphorus Crossing*, The 19th ITS World Congress, 22 – 26 October 2012, Vienna, Austria.

4. Kesten, A.S., Yai T., Ergün, M., *Traffic congestion management on Bosphorus bridge by considering speed limit control*, The 10th International Congress on Advances in Civil Engineering (ACE 2012), 17 – 19 October, 2012, Ankara, Turkey.

5. Kesten, A.S., Ergun, M., 2010. Optimization of Transport in Istanbul, 2nd International Conference on Transport Infrastructures, 4-6 Augustos 2010 Sao Poulo, Brazil.

6. Kesten, A. S., Tezcan, H. O., Bus and Subway Stations' Ubiquity : A Case Study for Stations Along Istanbul Metro Line, First International Congress of Citizens and Mobility Management, , 25-27 September, 2006, Madrid, Spain.

7. Kesten, A. S., The Challenge of Maglev and High-Speed Rail, Seventh International Congress in Civil Engineering, 11-13 Ekim, 2006, Istanbul, Turkey

8. Tezcan, H. O., Kesten, A. S., Topuz, S., Suburban Rail System of Istanbul : Current Situation and Probable Impacts After Temporary Termination, International Railway Symposium, 13-15 Aralık, 2006, Istanbul, Turkey

COURSES TAUGHT DURING THE LAST TWO YEARS

a. Işık University

<u>CODE</u>	<u>COURSE</u>	<u>YEAR / TERM</u>
CE 239T	Earthwork Engineering	2014 – 2015 Fall
CE 351	Introduction to Transportation Engineering	2014 – 2015 Fall
CE 358	Railway Engineering	2014 – 2015 Fall
CE 379	Construction Management and Site Techniques	2014 – 2015 Spring
CE 102	Statics	2014 – 2015 Spring
CE 490	Graduation Project	2014 – 2015 Spring

b. Bilgi University

<u>CODE</u>	<u>COURSE</u>	<u>YEAR / TERM</u>
CE 102	Systems Engineering & Intr. to Civil Engineering	2013 – 2014 Spring
CE 102	Systems Engineering & Intr. to Civil Engineering	2014 – 2015 Fall

LANGUAGE SKILLS

- English (Fluent)
- Japanese (Intermediate (speaking, reading), Basic (writing))

WORK EXPERIENCE

- 2005 – 2010, 2013 – 2014 Teaching Assistant at Istanbul Technical University, Faculty of Civil Engineering, Istanbul, Tukey.

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- 2010 – 2013 Research Assistant at Tokyo Institute of Technology, Department of Built Environment, Yai Lab., Tokyo, Turkey.
 - 2005 July – 2005 September Construction Site Engineer (ARKEL Const. Company, TEDKENT Project), Istanbul, Turkey.
 - 2004 July – 2004 October Intern Engineer at Institute of Behavioral Sciences, Tokyo, Japan.
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SCHOLARSHIPS & AWARDS

- Education, Culture and Sports Ministry of Japan 2010 “Monbukogakusho” Scholar
 - Erasmus – Socrates Exchange Program Scholar
 - IAESTE Internship Scholar
 - Republic of Turkey Ministry of National Education University Undergraduate Scholarship
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