TRB Pedestrians Committee (ANF10)


Co-Chairs: Mike Cynecki and Laura Sandt

Review Coordinators: (14) Mike Cynecki, Laura Sandt, Robert Schneider, Tamera Redmon, Darren Torbic, Karim El-Basyouny, Ron Van Houten, Richard Knoblauch, Tarek Sayed, Kevin Manaugh, Megan Wier, David Levinger, Holly Krambeck, Shawn Turner

Papers Reviewed: 106 (One additional paper moved to another Committee)

Reviews Assigned: 549; Reviews Completed: 418 (76.1%)

Presentation: Yes – 64 (60%), No – 38 (36%), Submitted for Publication Only – 3 (3%)

2015 Annual Meeting - Three Lecturn Sessions: 12 papers

2015 Annual Meeting - Three Poster Sessions: 52 papers (two authors withdrew)

Practice Ready Papers: 13 papers

Publication Allotment: 20% of those submitted for publication = 20

Submitted for Presentation-Only: 11 papers

Papers Rejected for Publication: 68 papers

Initially Accepted for Publication: 5 papers

Papers Under Publication Consideration: 22 papers (for 15 publication slots)

Practice Ready Papers: (13)

15-1292 - Pedestrian and Driver Behavior Before and After Installation of Rectangular Rapid Flashing Beacons or Pedestrian Hybrid Beacons

15-2921 - Pedestrian Fatal Crashes on Freeways in Texas

15-3171 - Pedestrian Safety Practitioners’ Perspectives of Driver Yielding Behavior across North America

15-0153 - Association Between Built Environment and Pedestrian Fatal Crash Risk in Delhi, India

15-0691 - Protection of Pedestrians as the Key Action for Implementing Poland’s Vision Zero

15-1579 - Leading Pedestrian Interval Assessment and Implementation Guidelines

15-1847 - Pedestrian Project Prioritization: Incorporating App-Collecte Sidewalk Data

15-3592 - Differences Between Walking and Bicycling over Time: Implications for Performance Measurement

15-4619 - A Built Environment for an Ageing Society: A Subpopulation Analysis of Pedestrian Crashes at Signalized Intersections in Montreal, Canada


15-5414 - Decision Tree-based Treatment Selection Method for Addressing Safety Issues at At-Grade Trail Crossings

15-5962 - Pedestrian Injury Severity Levels in Halifax Regional Municipality, Canada: Hierarchical Ordered Probit Modeling Approach

Award Subcommittee Established to Evaluate 5 Papers for Award consideration

- Michael Cynecki
- Robert Schneider
- Ronald Eck
- Richard Knoblauch
- Martin R. Parker, Jr.

Best Paper Submitted to the TRB Pedestrian Committee for 2015


Authors: Chava Kronenberg, Lucas Woodward, Brooke DuBose, and Dana Weissman
2015 PEDESTRIAN COMMITTEE SESSIONS – ANF10

LECTURN SESSIONS

1) Pedestrian and Driver Behavioral Influences on Pedestrian Safety
(Session 284 – Monday at 10:15 a.m. to noon)

3010 - Behavior-based Method on Pedestrian-Vehicle Conflict Analysis at Intersections

5975 - Pedestrian Crossing Behavior at Signalized Intersections in New York City

3171 - Pedestrian Safety Practitioners’ Perspectives of Driver Yielding Behavior across North America**

5777 - Do As I Say Not As I Do: Observed Compliance vs. Stated Understanding of Pedestrian Crossing Laws

2) Pedestrian Safety Evaluation & Measurement (Session 513 –
Tuesday 8:00 to 9:45 a.m.)

0089 - Accidents involving pedestrians walking along with/against traffic: An evaluation of crash characteristics and injuries

0691 - Protection of Pedestrians as the Key Action for Implementing Poland's Vision Zero**

4847 - Achieving Vision Zero: A Data-Driven Investment Strategy for Eliminating Pedestrian Fatalities on a Citywide Level**

1849 - Automated pedestrian safety diagnosis and behavioural study at a signalized intersection in New York City

3) Evaluation of Innovative Pedestrian Crossing Treatments
(Session 625 – Tuesday 1:30 to 3:15 p.m.)

1671 - Countdown Pedestrian Signals Legibility and Comprehension without Flashing Hand

1292 - Pedestrian and Driver Behavior Before and After Installation of Rectangular Rapid Flashing Beacons or Pedestrian Hybrid Beacons**

1579 - Leading Pedestrian Interval Assessment and Implementation Guidelines**

5414 - Decision Tree-based Treatment Selection Method for Addressing Safety Issues at At-Grade Trail Crossings**
POSTER SESSIONS

1) Characteristics of Pedestrian Interactive Behaviors Under the Different Level of Service on Walkways (Session 755 – Tuesday, 7:30 to 9:30 p.m.)

0247 - Pedestrian Vehicle Interaction Methods to Explore Temporal and Spatial Critical gaps at Uncontrolled Midblock Crossings in India

0328 - Professional Drivers in the Traffic Environment - Understanding of, and Compliance with, Traffic Regulations

0367 - Where Do Pedestrians Jaywalk And How Do Drivers React? -- A Study Within A Campus Environment

0856 - Characteristics of Pedestrian Interactive Behaviors under the Different Level of Service on Walkways

1259 - Pedestrian Level of Service at Signalized Intersections in China: Comparison of the Intercept Survey Method, Contingent Field Survey Method and Crossing Video Simulation Method

1442 - Illegal pedestrian crossing at signalised junctions in urban areas: Impacts of spatial factors

1717* - A Microscopic Simulation Model for Pedestrian Dynamic at Crosswalk (Authors withdrew)

1821 - Driver Yielding at Unsignalized Midblock Crossings

2050 - Cellular automaton based model for simulating pedestrian-vehicle interaction at unsignalized mid-block crosswalk

2217 - Pedestrian Gap Acceptance Behavior, A Case Study: Tehran

2356 - Microscopic Pedestrian Interaction Behavior Analysis Using Gait Parameters

2993 - Multi-objective Evaluation of Mid-block Crosswalks on Urban Streets based on TOPSIS and Entropy

3169 - An Investigation of Factors affecting Pedestrian Crossing Speeds at Signalized Intersections

3982 - A Probit-based Pedestrian Gap Acceptance Model for Mid-block Crossing Locations

5627 - Interactive behavior characteristics of pedestrian traffic on stairways
2) Pedestrian Safety Policy, Planning, and Design Issues (Session 847 – Wednesday, 2:45 to 4:30 p.m.)

1431 - Combining neighborhood and route level features to measure walkability: a study of transit station walking sheds

1550 - The Railing Setting Method and Design Dimension Analysis of Pedestrian Weaving Zone in Horizontal Passageway

1847 - Pedestrian Project Prioritization: Incorporating App-Collected Sidewalk Data**

2016 - Modeling Pedestrian Level of Service on Sidewalks with Multi-factors Based on Different Pedestrian Flow Rates

2019 - Pedestrian crossing characteristics on exclusive right-turn lane with island

2413 - A Walk Trip Generation Model for Portland, OR

2572 - Determining the Most Suitable PLOS Method through a Synthesis of Subjective and Objective Measurements

3127 - Assessing Seasonal And Climate-related Variability In Rates Of Walking And Physical Activity With Time Use Data

3592 - Differences Between Walking and Bicycling Over Time: Implications for Performance Measurement**

3599 - Modeling Pedestrian Delay At Signalized Intersections In Developing Cities (Authors withdrew)*

3770 - Skateboarding for transportation by the numbers: Quantitative indications of the use of skateboards as an unconventional, active travel mode

4209 - Application of network analysis methods to identify best locations for pedestrian crossings in urban road networks

4538 - Calibration Of A Pedestrians’ Route Choice Model Based In Friction Forces

4619 - A built environment for an ageing society: A subpopulation analysis of older pedestrian crashes at signalized intersections in Montreal, Canada**

4803 - Massachusetts Department of Transportation Complete Streets Pedestrian and Bicycle Level of Service Study

4859 - Determining A Pedestrian Route Choice Model Through A Photo Survey
5306 - Can Good Walkability Expand the size of TODs? Exploring the Concept of Acceptable Walking Distance and Critical Walkability Zone for Access Trips to the Station

3) Pedestrian Safety and Operational Performance Measurement (Session 848 - Wednesday, 2:45 to 4:30 p.m.)

0153 - Association between Built Environment and Pedestrian Fatal Crash Risk in Delhi, India**

0498 - Identifying Characteristics of High Risk Intersections for Pedestrians and Cyclists: A case study from Salt Lake County, Utah

0521 - Multi-level Hot Zone Identification for Pedestrian Safety

0809 - A new model of pedestrian platoon total crossing time at a signalized crosswalk

1077 - Linear and Non-linear Models for Pedestrian Gap Acceptance Analysis

1202 - Effects of Parallelogram-shaped Pavement Markings on Vehicles Speeds and Safety of Pedestrian Crosswalks on Urban Roads in China

1684 - Integrated Design of Location and Signalization of Two-stage Midblock Pedestrian Crosswalk

2022 - Simulation-based Methodology for Evaluating the Effectiveness of Integrated Pedestrian Protection Systems

2055 - Two simple formulas for evaluating the low bound of the impact velocity in vehicle-pedestrian accidents

2535 - Factor Association using Multiple Correspondence Analysis in Vehicle-pedestrian Crashes

2666 - Crash Characteristics of Pedestrian Fatalities: a Comparison of China and the United States

2921 - Pedestrian Fatal Crashes On Freeways In Texas**

2926 - Analysis Of Injury Severity In Pedestrian Crashes Using Classification Regression Trees

2974 - Introducing Human Factors In Pedestrian Crossing Behaviour Models

3208 - Exploring the Application of Latent Class Cluster Analysis for Investigating Pedestrian Crash Injury Severities in Switzerland

3800 - Safety indicators for skateboarding on transportation facilities and as a mode of travel - A look at enigmatic injury, fatality, and incident data
4525 - The “Watch for Me” NC Pedestrian and Bicycle Safety Program: Developmental Framework and Process Evaluation**

4570 - Dynamic Programming-based Pedestrian Hotspot Identification Approach

5352 - The Effect of Model Specification on the results of Pedestrian Injury Analysis

5663 - Built Environment Factors Contributing to Pedestrian Collisions: A Structural Equation Modeling Approach

5962 - Pedestrian Injury Severity Levels in the Halifax Regional Municipality, Canada: A Hierarchical Ordered Probit Modeling Approach**

*Two papers were withdrawn from Poster sessions by the authors

Those papers shown in Purple with two asterisks (**) are Practice-Ready Papers