

YEGOR MALINOVSKIY

Department of Civil and Environmental Engineering
University of Washington, Seattle, WA 98195
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Born: Aug 12th 1985
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EDUCATION

PhD in Transportation, University of WashingtonApr 2009 – Present
Master's Degree in Transportation, University of Washington, Mar 2009 3.62 GPA
Bachelor of Science in Civil Engineering, University of Washington, Jun 2007 3.53 GPA
Bachelor of Science in Computer Engineering, University of Washington, Jun 2007 3.53 GPA

EMPLOYMENT HISTORY

Graduate Research Assistant, Smart Transportation Applications Research Lab,
Department of Civil and Environmental Engineering:..... 2007 - Present

- Mobile device based Bluetooth travel time data collection and analysis
- Bus stop performance analysis using MAC sensors
- Environment insensitive and occlusion robust vehicle detection algorithm

Undergraduate Research Assistant, Smart Transportation Applications Research Lab,
Department of Civil and Environmental Engineering:..... 2005 - 2007

- Pedestrian tracking using computer vision algorithms
- Transit signal priority evaluation

FELLOWSHIPS / SHOLARSHIPS

Valle Scholarship Recipient 2011
TransNow Fellowship Recipient 2009
Mary Gates Research Scholar..... 2006 - 2007

AWARDS

University of Washington Student Technology Showcase Runner Up 2010
Michael Kyte Region X Student of the Year Award 2009
University of Washington Distinguished Thesis Award 2009

PROFESSIONAL AFFILIATIONS AND POSITIONS

Transportation Research Board Bicycle Committee (ANF20) Student Member..... 2009-present
Publications Chair, TransNow Student Conference..... 2008
UW Institute of Transportation Engineers Chapter President 2007 - 2008
UW Institute of Transportation Engineers (ITE) Member..... 2006-present

JOURNAL PUBLICATIONS

Yegor Malinovskiy, Nicolas Saunier, and Yinhai Wang (2011). "Pedestrian Travel Analysis Using Static Bluetooth Sensors." *Transportation Research Record: Journal of the Transportation Research Board*. In Press.

Yegor Malinovskiy, Yao-Jan Wu and Yinhai Wang (2009). "Video-Based Vehicle Detection and Tracking Using Spatiotemporal Maps," *Transportation Research Record: Journal of the Transportation Research Board*.

Yegor Malinovskiy, Yao-Jan Wu and Yinhai Wang (2008). "Video-Based Monitoring of Pedestrian Movements at Signalized Intersections," *Transportation Research Record: Journal of the Transportation Research Board*.

Yegor Malinovskiy, Jianyang Zheng, and Yinhai Wang (2007). "Model-Free Video Detection and Tracking of Pedestrians and Bicyclists," *Computer-Aided Civil and Infrastructure Engineering*.

SELECT CONFERENCE PAPERS / PRESENTATIONS

Yegor Malinovskiy and Yinhai Wang (2011), "Pedestrian Travel Analysis Using Mobile Bluetooth Sensors." To Be Presented at the 91st Annual Meeting of the Transportation Research Board, Washington, D.C.

Yegor Malinovskiy, Un-Kun Lee, Yao-Jan Wu and Yinhai Wang (2010), "Investigation of Bluetooth-Based Travel Time Estimation Error on a Short Corridor," Presented at the 90th Annual Meeting of the Transportation Research Board, Washington, D.C.

Yegor Malinovskiy, Yao-Jan Wu, Yinhai Wang and Un-Kun Lee (2009), "Field Experiments on Bluetooth-based Travel Time Data Collection," Presented at 89th Annual Meeting of the Transportation Research Board, Washington, D.C.

Yegor Malinovskiy and Yinhai Wang (2008), "Computer-Vision Algorithm for Automated Data Collection on Shared Pathways," Presented at 88th Annual Meeting of the Transportation Research Board, Washington, D.C.

PUBLISHED REPORTS

Yinhai Wang, **Yegor Malinovskiy**, Yao-Jan Wu and Un Kun Lee (2010). "Error Modeling And Analysis For Travel Time Data Obtained From Bluetooth Mac Address Matching."

Yinhai Wang, **Yegor Malinovskiy** and Yao-Jan Wu (2008). "Occlusion Robust Vehicle and Environment Insensitive Algorithm for Vehicle Detection and Tracking Using Surveillance Video Cameras."

PATENTS

Yegor Malinovskiy, Yinhai Wang and Yao-Jan-Wu. VIDEO-BASED VEHICLE DETECTION AND TRACKING USING SPATIO-TEMPORAL MAPS, 12/987,854. Filed on January 10, 2011.

TEACHING

Pre-Doctorate Instructor.....Spring Quarter 2010
CEE 320 Transportation Engineering I
Enrollment: 58
Evaluation: 3.98/5.00 (Very Good)