

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 Washington Apr 2009 - Present
Master's Degree in Transportation, University of Washington, Mar 20093.62 GPA
Bachelor of Science in Civil Engineering, University of Washington, Jun 20073.53 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

- Environment insensitive and occlusion robust vehicle detection algorithm
- Bluetooth travel time data collection

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 / SCHOLARSHIPS

Mary Gates Research Scholar 2006 - 2007
Coral Sales Scholarship Winner2008
TransNow Fellowship Recipient2009

AWARDS

ITE Student Night Presentation Competition, Second Place2006
ITE Student Night Traffic Calming Project, Second Place2008
University of Washington Distinguished Thesis Award..... 2009
TransNow Outstanding Student of the Year 2009

PROFESSIONAL AFFILIATIONS AND POSITIONS

UW Institute of Transportation Engineers Chapter President 2007 - 2008
Publications Chair, TransNow Student Conference2008
UW Institute of Transportation Engineers (ITE) Member2006-present
American Society of Civil Engineers (ASCE) Student Member2008-present
Transportation Research Board Bicycle Committee Member (ANF20).....2009-present

JOURNAL PUBLICATIONS

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

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, 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.

SELECT CONFERENCE PAPERS / PRESENTATIONS

Yegor Malinovskiy, Yao-Jan Wu, Yinhai Wang and Un-Kun Lee (2009), "Field Experiments on Bluetooth-based Travel Time Data Collection," To be 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.

Yegor Malinovskiy, Yao-Jan Wu and Yinhai Wang (2008), "Video-Based Vehicle Detection and Tracking Using Spatiotemporal Maps," Presented at 88th Annual Meeting of the Transportation Research Board, Washington, D.C.

Yegor Malinovskiy and Yinhai Wang (2007), "Video-Based Monitoring of Pedestrian Movements at Signalized Intersections," Presented at 87th Annual Meeting of the Transportation Research Board, Washington, D.C.

Yegor Malinovskiy, Jianyang Zheng, and Yinhai Wang (2006). "Model-Free Video Detection and Tracking of Pedestrians and Bicyclists," Presented at 86th Annual Meeting of the Transportation Research Board, Washington, D.C.

REPORTS

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." TNW2008-12